



Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology

Official Journal of the Societa Botanica Italiana

ISSN: 1126-3504 (Print) 1724-5575 (Online) Journal homepage: <http://www.tandfonline.com/loi/tplb20>


An updated checklist of the vascular flora native to Italy

F. Bartolucci, L. Peruzzi, G. Galasso, A. Albano, A. Alessandrini, N. M. G. Ardenghi, G. Astuti, G. Bacchetta, S. Ballelli, E. Banfi, G. Barberis, L. Bernardo, D. Bouvet, M. Bovio, L. Cecchi, R. Di Pietro, G. Domina, S. Fascetti, G. Fenu, F. Festi, B. Foggi, L. Gallo, G. Gottschlich, L. Gubellini, D. Iamónico, M. Iberite, P. Jiménez-Mejías, E. Lattanzi, D. Marchetti, E. Martinetto, R. R. Masin, P. Medagli, N. G. Passalacqua, S. Peccenini, R. Pennesi, B. Pierini, L. Poldini, F. Prosser, F. M. Raimondo, F. Roma-Marzio, L. Rosati, A. Santangelo, A. Scoppola, S. Scortegagna, A. Selvaggi, F. Selvi, A. Soldano, A. Stinca, R. P. Wagensommer, T. Wilhalm & F. Conti



To cite this article: F. Bartolucci, L. Peruzzi, G. Galasso, A. Albano, A. Alessandrini, N. M. G. Ardenghi, G. Astuti, G. Bacchetta, S. Ballelli, E. Banfi, G. Barberis, L. Bernardo, D. Bouvet, M. Bovio, L. Cecchi, R. Di Pietro, G. Domina, S. Fascetti, G. Fenu, F. Festi, B. Foggi, L. Gallo, G. Gottschlich, L. Gubellini, D. Iamónico, M. Iberite, P. Jiménez-Mejías, E. Lattanzi, D. Marchetti, E. Martinetto, R. R. Masin, P. Medagli, N. G. Passalacqua, S. Peccenini, R. Pennesi, B. Pierini, L. Poldini, F. Prosser, F. M. Raimondo, F. Roma-Marzio, L. Rosati, A. Santangelo, A. Scoppola, S. Scortegagna, A. Selvaggi, F. Selvi, A. Soldano, A. Stinca, R. P. Wagensommer, T. Wilhalm & F. Conti (2018) An updated checklist of the vascular flora native to Italy, *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology*, 152:2, 179-303

To link to this article: <https://doi.org/10.1080/11263504.2017.1419996>

 View supplementary material 

 Published online: 08 Feb 2018.

 Submit your article to this journal 

 View related articles 

 View Crossmark data 

 Citing articles: 1  Full Terms & Conditions of access and use can be found at <http://www.tandfonline.com/action/journalInformation?journalCode=tplb20>



An updated checklist of the vascular flora native to Italy

F. Bartolucci^{a†}, L. Peruzzi^{b†}, G. Galasso^{c†}, A. Albano^d, A. Alessandrini^e, N. M. G. Ardenghi^f, G. Astuti^b, G. Bacchetta^g, S. Ballelli^h, E. Banfi^c, G. Barberisⁱ, L. Bernardo^j, D. Bouvet^k, M. Bovio^l, L. Cecchi^m, R. Di Pietroⁿ, G. Domina^o, S. Fascetti^p, G. Fenu^g, F. Festi^q, B. Foggi^r, L. Gallo^s, G. Gottschlich^t, L. Gubellini^u, D. Iamónicoⁿ, M. Iberite^v, P. Jiménez-Mejías^w, E. Lattanzi^v, D. Marchetti^x, E. Martinetto^y, R. R. Masin^z, P. Medagli^d, N. G. Passalacqua^{aa}, S. Pecceniniⁱ, R. Pennesi^{ab}, B. Pierini^b, L. Poldini^{ab}, F. Prosser^q, F. M. Raimondo^{ac}, F. Roma-Marzio^b, L. Rosati^p, A. Santangelo^{ad}, A. Scoppola^{ae}, S. Scortegagna^{af}, A. Selvaggi^{ag}, F. Selvi^{ah}, A. Soldano^{ai}, A. Stinca^{aj}, R. P. Wagensommer^{ak}, T. Wilhalm^{al} and F. Conti^{a†}

^aScuola di Bioscienze e Medicina Veterinaria, Università di Camerino – Centro Ricerche Floristiche dell'Appennino, Parco Nazionale del Gran Sasso e Monti della Laga, L'Aquila, Italy; ^bDipartimento di Biologia, Unità di Botanica, Università di Pisa, Pisa, Italy; ^cSezione di Botanica, Museo di Storia Naturale di Milano, Milano, Italy; ^dDipartimento di Scienze e Tecnologie Biologiche ed Ambientali, Università del Salento, Lecce, Italy; ^eIstituto Beni Culturali Regione Emilia–Romagna, Bologna, Italy; ^fDipartimento di Scienze della Terra e dell'Ambiente, Università di Pavia, Pavia, Italy; ^gCentro Conservazione Biodiversità (CCB), Dipartimento di Scienze della Vita e dell'Ambiente (DISVA), Università degli Studi di Cagliari, Cagliari, Italy; ^hScuola di Bioscienze e Medicina Veterinaria, Università di Camerino, Camerino, Italy; ⁱDipartimento di Scienze della Terra, dell'Ambiente e della Vita, Università di Genova, Genova, Italy; ^jDipartimento DiBEST, Università della Calabria, Cosenza, Italy; ^kDipartimento di Scienze della Vita e Biologia dei Sistemi (DBIOS), Università di Torino, Torino, Italy; ^lComitato Scientifico, Museo Regionale di Scienze Naturali "Efsio Noussan", Aosta, Italy; ^mSezione di Botanica "Filippo Parlatore", Università degli Studi di Firenze, Museo di Storia Naturale, Firenze, Italy; ⁿDipartimento PDTA, Università di Roma "La Sapienza", Roma, Italy; ^oDipartimento di Scienze Agrarie, Alimentari e Forestali, Università di Palermo, Palermo, Italy; ^pScuola di Scienze Agrarie, Forestali, Alimentari ed Ambientali, Università della Basilicata, Potenza, Italy; ^qFondazione Museo Civico di Rovereto, Trento, Italy; ^rDipartimento di Biologia, Università di Firenze, Firenze, Italy; ^sStrada Val San Martino sup., Torino, Italy; ^tHermann-Kurz Strasse, Tübingen, Germany; ^uCentro Ricerche Floristiche Marche, Pesaro, Italy; ^vDipartimento di Biologia ambientale, Università di Roma "La Sapienza", Roma, Italy; ^wNational Museum of Natural History, Smithsonian Institution, Washington, DC, USA; ^xVia Isonzo, Massa, Italy; ^yDipartimento di Scienze della Terra, Università di Torino, Torino, Italy; ^zVia Regazzoni Bassa, Padova, Italy; ^{aa}Museo di Storia Naturale della Calabria ed Orto Botanico, Università della Calabria, Cosenza, Italy; ^{ab}Dipartimento di Scienze della Vita, Università di Trieste, Trieste, Italy; ^{ac}Dipartimento STEBICEF/Sezione di Botanica ed Ecologia vegetale, Università di Palermo, Palermo, Italy; ^{ad}Dipartimento di Biologia, Università degli Studi di Napoli Federico II, Napoli, Italy; ^{ae}Dipartimento di Scienze Agrarie e Forestali (DAFNE), Università della Tuscia, Viterbo, Italy; ^{af}Via Europa Unita, Schio, Italy; ^{ag}Istituto per le Piante da Legno e l'Ambiente (IPLA), Torino, Italy; ^{ah}Laboratori di Botanica, Dipartimento di Scienze delle Produzioni Agroalimentari e dell'Ambiente, Università di Firenze, Firenze, Italy; ^{ai}Largo Brigata Cagliari, Vercelli, Italy; ^{aj}Dipartimento di Scienze e Tecnologie Ambientali, Biologiche e Farmaceutiche, Università della Campania Luigi Vanvitelli, Caserta, Italy; ^{ak}Dipartimento di Chimica, Biologia e Biotecnologie, Università di Perugia, Perugia, Italy; ^{al}Museo di Scienze Naturali dell'Alto Adige, Bolzano, Italy

ABSTRACT

An updated inventory of the native vascular flora of Italy, providing details on the occurrence at regional level, is presented. The checklist includes 8195 taxa (6417 species and 1778 subspecies), distributed in 1092 genera and 152 families; 23 taxa are lycophytes, 108 ferns and fern allies, 30 gymnosperms and 8034 angiosperms. The taxa currently occurring in Italy are 7483, while 568 taxa have not been confirmed in recent times, 99 are doubtfully occurring in the country and 19 are data deficient. Out of the 568 not confirmed taxa, 26 are considered extinct or possibly extinct.

ARTICLE HISTORY

Received 28 November 2017
Accepted 19 December 2017

KEYWORDS

Endemism; floristic diversity; Italy; Mediterranean flora; taxonomy

Introduction

The last comprehensive checklist of the Italian vascular flora of native (including archaeophytes) and non-native established taxa was published 12 years ago, and included 7634 specific and subspecific taxa, of which 782 non-native (Conti et al. 2005), albeit these numbers were slightly modified by Conti et al. (2007). More recently, an inventory of alien (casual, naturalized and invasive taxa) and cryptogenic vascular flora to Italy, including archaeophytes and neophytes, listed 1023 species

and subspecies, of which 103 archaeophytes and 920 neophytes (Celesti-Grappo et al. 2009).

However, in the last years, there has been substantial progress in systematics, taxonomy, nomenclature and alien plant invasion research. Several new floristic and taxonomic data for Italy have been published in regional floras, local floristic contributions, taxonomic reviews and in the scientific reports published by the working group for Floristics, Systematics and Evolution of the Italian Botanical Society (e.g. Alessandrini et al. 2017; Bartolucci et

al. 2017a, 2017b; Rosati et al. 2017). Furthermore, many taxa have been recently described for Italy as new to science (e.g. Bacchetta et al. 2012a, 2012b; Melai et al. 2012; Peruzzi and Gestri 2013; Troia and Azzella 2013; Peccenini and Polatschek 2014; Domina and Soldano 2015; Brullo et al. 2015b; Peccenini and Polatschek 2016; Conti and Bartolucci 2017). Therefore, there is a need of a new checklist to summarize the current state of the floristic and taxonomic knowledge of the Italian vascular flora.

In this context, we thought appropriate to publish two separate inventories: the present work, concerning only the native (including cryptogenic or doubtfully native) vascular flora (Bartolucci et al. 2016c), and a second one concerning only the alien taxa (archaeophytes and neophytes) (Galasso et al. 2016a).

This checklist is the result of a collective effort, thanks to the voluntary collaboration of many researchers who, as regional or taxonomic advisers (see Appendix S1 in supplementary material for details), have contributed to filling gaps in distribution or clarifying systematic and nomenclatural issues. This also served as a basis for an inventory of endemic taxa of Italy (Peruzzi et al. 2014a, 2015a), for the project “Italian Loci Classici Census” (Domina et al. 2012; Passalacqua et al. 2014; Peruzzi et al. 2015b; Brundu et al. 2017), for the revised Red List of Italian vascular plants (Rossi et al. 2013, 2014, 2016) and for the updated checklist of the Italian plants listed in the Habitat Directive (Fenu et al. 2017).

The aim of this contribution is to provide an updated inventory of the native vascular flora of Italy, to serve as a taxonomic and nomenclatural basis for botanical research and to promote new floristic investigations and biosystematic studies.

Materials and methods

Starting from “An annotated checklist of the Italian vascular flora” (Conti et al. 2005, 2007), the nomenclature of specific and subspecific taxa was updated and critically checked according to more recent studies. In addition, numerous protologues and the following taxonomic databases were consulted: IPNI (2012 onwards), The Plant List (2013 onwards), Euro+Med (2006 onwards) and Tropicos (2017).

The systematic order and taxonomic circumscription of the families follow the classification proposed by PPG I (2016) for ferns and fern allies, by Christenhusz et al. (2011) for gymnosperms and by APG IV (2016) for angiosperms, with the exception of Dipsacales (Reveal 2011), Caryophyllales (Hernández-Ledesma et al. 2015) and Boraginales (Luebert et al. 2016). The author citations of plant names were standardized following the Rec. 46A Note 1 of the ICN (McNeill et al. 2012), i.e. according to IPNI (2012 onwards). The checklist includes also apomictic taxa belonging to *Alchemilla* and *Rubus* (Rosaceae), *Hieracium*, *Pilosella* and *Taraxacum* (Asteraceae), and *Ranunculus auricomus* group (Ranunculaceae). Taxa at varietal rank and hybrids were not considered.

The distribution of specific and subspecific taxa at regional scale was updated based on new data published in the period 2005–2015 in the column “Notulae alla checklist della flora vascolare italiana” (Informatore Botanico Italiano), which recently became “Notulae to the Italian native vascular Flora” (Bartolucci

Table 1. Most represented families (≥ 50 taxa) and genera (≥ 40 taxa) of the Italian native vascular flora.

Families	Taxa	Genera	Taxa
Asteraceae	2202	<i>Hieracium</i>	1167
Poaceae	550	<i>Taraxacum</i>	154
Fabaceae	495	<i>Carex</i>	126
Caryophyllaceae	359	<i>Centaurea</i>	116
Brassicaceae	333	<i>Limonium</i>	111
Rosaceae	312	<i>Ranunculus</i>	110
Apiaceae	263	<i>Ophrys</i>	103
Lamiaceae	240	<i>Pilosella</i>	100
Orchidaceae	236	<i>Alchemilla</i>	95
Ranunculaceae	231	<i>Silene</i>	87
Cyperaceae	187	<i>Festuca</i>	83
Plantaginaceae	160	<i>Trifolium</i>	81
Orobanchaceae	140	<i>Allium</i>	69
Plumbaginaceae	135	<i>Saxifraga</i>	66
Boraginaceae	115	<i>Euphorbia</i>	62
Campanulaceae	99	<i>Galium</i>	59
Rubiaceae	95	<i>Campanula</i>	58
Amaryllidaceae	93	<i>Viola</i>	56
Primulaceae	80	<i>Dianthus</i>	53
Asparagaceae	76	<i>Vicia</i>	53
Juncaceae	71	<i>Astragalus</i>	45
Saxifragaceae	69	<i>Genista</i>	45
Gentianaceae	68	<i>Potentilla</i>	45
Euphorbiaceae	67	<i>Veronica</i>	44
Chenopodiaceae	62	<i>Crepis</i>	43
Dipsacaceae	62	<i>Salix</i>	43
Crassulaceae	61	<i>Rosa</i>	42
Polygonaceae	60	<i>Cerastium</i>	40
Iridaceae	58	<i>Juncus</i>	40
Violaceae	56		
Cistaceae	55		

Table 2. Most represented families (≥ 20 taxa) and genera (≥ 15 taxa) of the Italian endemic vascular flora.

Families	Taxa	Genera	Taxa
Asteraceae	582	<i>Hieracium</i>	337
Plumbaginaceae	117	<i>Limonium</i>	98
Caryophyllaceae	97	<i>Centaurea</i>	73
Orchidaceae	87	<i>Ophrys</i>	61
Fabaceae	80	<i>Ranunculus</i>	37
Brassicaceae	78	<i>Taraxacum</i>	33
Poaceae	65	<i>Genista</i>	29
Ranunculaceae	60	<i>Silene</i>	29
Rosaceae	40	<i>Dianthus</i>	28
Apiaceae	39	<i>Allium</i>	25
Lamiaceae	38	<i>Viola</i>	20
Boraginaceae	34	<i>Campanula</i>	19
Amaryllidaceae	29	<i>Armeria</i>	17
Rubiaceae	28	<i>Festuca</i>	17
Campanulaceae	26	<i>Saxifraga</i>	17
Plantaginaceae	24	<i>Astragalus</i>	16
Iridaceae	23	<i>Erysimum</i>	16
Orobanchaceae	20	<i>Epipactis</i>	15
Violaceae	20	<i>Pilosella</i>	15

et al. 2016a, 2016b, 2017a, 2017b), and on floristic contributions and taxonomic reviews.

For Italian endemic taxa, we referred to the recent inventory proposed by Peruzzi et al. (2014a), which is continuously updated (see <http://goo.gl/x8QL4J>). According to these authors, the “Italian endemic” status was attributed to those taxa occurring only in Italy, or in Italy and Corsica (France) or in Italy and Malta.

Table 3. Most represented genera for each category of distribution data: P (≥ 60 taxa), NC (≥ 2), EX (≥ 1), D (≥ 2) and DD (≥ 1).

Genera	P	Genera	NC	Genera	EX	Genera	D	Genera	DD
<i>Hieracium</i>	686	<i>Hieracium</i>	460	<i>Ranunculus</i>	5	<i>Hieracium</i>	21	<i>Taraxacum</i>	5
<i>Taraxacum</i>	135	<i>Taraxacum</i>	12	<i>Limonium</i>	3	<i>Polygala</i>	3	<i>Cotoneaster</i>	2
<i>Carex</i>	122	<i>Pilosella</i>	10	<i>Anthyllis</i>	2	<i>Alchemilla</i>	2	<i>Arenaria</i>	1
<i>Centaurea</i>	115	<i>Alchemilla</i>	6	<i>Aldrovanda</i>	1	<i>Alyssum</i>	2	<i>Bromopsis</i>	1
<i>Limonium</i>	108	<i>Atriplex</i>	3	<i>Bromus</i>	1	<i>Carex</i>	2	<i>Camelina</i>	1
<i>Ranunculus</i>	103	<i>Carduus</i>	3	<i>Bulbostylis</i>	1	<i>Juncus</i>	2	<i>Crataegus</i>	1
<i>Ophrys</i>	101	<i>Carex</i>	2	<i>Caldesia</i>	1	<i>Malva</i>	2	<i>Deschampsia</i>	1
<i>Pilosella</i>	90	<i>Dianthus</i>	2	<i>Camelina</i>	1	<i>Ophrys</i>	2	<i>Dryopteris</i>	1
<i>Alchemilla</i>	87	<i>Isolepis</i>	2	<i>Carlina</i>	1	<i>Paeonia</i>	2	<i>Helianthemum</i>	1
<i>Silene</i>	84	<i>Lythrum</i>	2	<i>Castroviejoa</i>	1	<i>Potentilla</i>	2	<i>Noccaea</i>	1
<i>Festuca</i>	82	<i>Onosma</i>	2	<i>Clematis</i>	1	<i>Saxifraga</i>	2	<i>Persicaria</i>	1
<i>Trifolium</i>	78	<i>Polycnemon</i>	2	<i>Helianthemum</i>	1	<i>Spergularia</i>	2	<i>Phlomis</i>	1
<i>Allium</i>	68	<i>Silene</i>	2	<i>Helosciadium</i>	1	<i>Taraxacum</i>	2	<i>Scorpiurus</i>	1
<i>Saxifraga</i>	64			<i>Herniaria</i>	1	<i>Trifolium</i>	2	<i>Sesamoides</i>	1
<i>Euphorbia</i>	62			<i>Launaea</i>	1				
				<i>Puccinellia</i>	1				
				<i>Sonchus</i>	1				
				<i>Stratiotes</i>	1				
				<i>Suaeda</i>	1				

The distribution data (see Appendix S2 in supplementary material for detailed information about the regional distribution) given for each of the 20 administrative regions of Italy (not considering the two enclave-countries Republic of San Marino and Vatican City State) are coded as follows: Valle d'Aosta, VDA; Piemonte, PIE; Lombardia, LOM; Trentino-Alto Adige, TAA; Veneto, VEN; Friuli Venezia Giulia, FVG; Liguria, LIG; Emilia-Romagna, EMR; Toscana, TOS; Marche, MAR; Umbria, UMB; Lazio, LAZ; Abruzzo, ABR; Molise, MOL; Puglia, PUG; Campania, CAM; Basilicata, BAS; Calabria, CAL; Sicilia, SIC; Sardegna, SAR. In the Appendix S2, when the information concerning the distribution of a given subspecies for a region is missing, only the occurrence at species level was reported.

For each region, the occurrence status of each taxon is provided using the following categories:

- Occurring: "P";
- Doubtfully occurring: "D";
- No longer recorded (reliable historical record): "NC";
- Extinct or possibly extinct: "EX";
- Recorded by mistake: "NP";
- Alien at regional level: "A" ["CAS" (Casual), "NAT" (Naturalized), "INV" (Invasive)].
- Other abbreviations or symbols used in the list before the species/subspecies name are as follows:
 - Italian endemic: "E";
 - Cryptogenic: "C", i.e. a doubtfully native taxon, whose origin of occurrence in Italy is unknown;
 - Taxonomically doubtful: "T";
 - Data deficient at national level: "DD".

The families in the checklist are systematically ordered and, within them, the genera, species and subspecies are alphabetically listed. The taxa doubtfully occurring in Italy are indicated in italics only (not in bold italics). Taxonomic references concerning genera are added below the families. Notes on taxonomy, nomenclature and distribution are included in the list after each taxon. The lists of synonyms, misapplied and included names (Appendix S3), along with the list of taxa to be excluded at national level (Appendix S4), are available as supplementary material.

Table 4. Number of taxa occurring in each of the 20 administrative regions.

	No. of taxa		
	(N + C)	A (N + C + A [NAT, INV])	T (N + C + A [CAS, NAT, INV])
PIE	3464	3508	3535
TOS	3370	3391	3400
LOM	3272	3303	3429
ABR	3190	3207	3216
VEN	3169	3268	3338
TAA	3116	3238	3504
LAZ	3003	3028	3047
LIG	3002	3050	3080
FVG	2975	3134	3147
CAM	2813	2826	2828
EMR	2798	2827	2843
CAL	2768	2788	2799
SIC	2763	2782	2787
BAS	2598	2606	2607
PUG	2552	2568	2577
MAR	2497	2535	2540
UMB	2364	2400	2406
MOL	2305	2324	2327
SAR	2301	2378	2441
VDA	2289	2322	2333

Notes: No. of taxa (native "N" + cryptogenic "C"), No. of taxa A (native "N" + cryptogenic "C" + regionally non-native "A [NAT, INV]"), No. of taxa T (native "N" + cryptogenic "C" + regionally non-native "A [CAS, NAT, INV]"). Valle d'Aosta, VDA; Piemonte, PIE; Lombardia, LOM; Trentino-Alto Adige, TAA; Veneto, VEN; Friuli Venezia Giulia, FVG; Liguria, LIG; Emilia-Romagna, EMR; Toscana, TOS; Marche, MAR; Umbria, UMB; Lazio, LAZ; Abruzzo, ABR; Molise, MOL; Puglia, PUG; Campania, CAM; Basilicata, BAS; Calabria, CAL; Sicilia, SIC; Sardegna, SAR. CAS: Casual, NAT: Naturalized, INV: Invasive.

Results

The checklist includes 8195 taxa (6417 species and 1778 subspecies), belonging to 1092 genera and 152 families (Table 1). The lycophytes are represented by 3 families, 6 genera, 23 taxa and ferns and fern allies by 17 families, 34 genera and 108 taxa. The gymnosperms are represented by 4 families, 7 genera and 30 taxa. The angiosperms consist of 8034 taxa grouped in 128 families and 1045 genera. The most represented families (>300 taxa) and genera (>100 taxa) are, respectively: Asteraceae, Poaceae, Fabaceae, Caryophyllaceae, Brassicaceae and Rosaceae;

Table 5. Number of taxa for each occurrence category in the 20 administrative regions.

	VDA	PIE	LOM	TAA	VEN	FVG	LIG	EMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SIC	SAR
P	1748	2972	2907	2746	2786	2745	2581	2550	3117	2291	2061	2776	2876	2180	2372	2192	2451	2471	2572	2177
NC	249	361	199	235	217	158	296	109	75	80	20	105	97	3	294	146	23	76	72	23
D	236	89	62	80	147	60	101	78	133	90	265	96	164	106	115	172	102	201	79	65
EX	10	18	85	32	5	3	6	34	16	16	0	3	26	0	4	8	2	5	8	1
P.C	35	22	14	20	13	9	16	23	26	18	17	21	21	15	22	33	17	9	28	34
NCC	8	1	3	2	1	0	0	0	1	0	0	2	2	0	4	0	1	1	2	0
DC	1	1	1	1	0	0	2	3	2	2	1	1	3	1	2	1	1	4	2	1
EXC	2	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	1	1	0	0
PA	0	0	1	7	28	69	2	1	2	8	13	0	1	3	0	1	0	3	5	0
P.A.CAS	11	27	126	266	70	13	30	16	9	5	6	19	9	3	2	9	1	11	5	63
P.A.NAT	21	34	25	90	61	85	28	22	14	30	20	19	16	16	11	10	7	14	10	71
PA.INV	0	0	4	3	1	0	0	1	0	0	0	1	0	0	1	0	1	0	0	3
NCA	7	6	0	3	7	4	18	4	2	0	1	4	0	0	1	4	0	2	3	1
DA	0	2	1	19	2	1	0	1	3	0	2	1	0	0	0	1	0	1	1	2
EXA	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NP	282	286	212	168	158	138	213	120	156	129	190	155	333	52	121	196	72	142	202	89

Notes: Valle d'Aosta, VDA; Piemonte, PIE; Lombardia, LOM; Trentino-Alto Adige, TAA; Veneto, VEN; Friuli Venezia Giulia, FVG; Liguria, LIG; Emilia-Romagna, EMR; Toscana, TOS; Marche, MAR; Umbria, UMB; Lazio, LAZ; Abruzzo, ABR; Molise, MOL; Puglia, PUG; Campania, CAM; Basilicata, BAS; Calabria, CAL; Sicilia, SIC; Sardegna, SAR. Occurring: "p"; Doubtfully occurring: "D"; No longer recorded (reliable historical record): "NC"; Extinct or possibly extinct: "EX"; Recorded by mistake: "NP"; Cryptogenic: "C"; Alien at regional level: "A"; "CAS" (Casual), "NAT" (Naturalized), "INV" (Invasive)].

Table 6. Genera with the most represented number of cryptogenic and taxonomically doubtful taxa: C (≥ 2 taxa); T (≥ 5 taxa).

Genera	C	Genera	T
<i>Papaver</i>	4	<i>Ophrys</i>	74
<i>Portulaca</i>	4	<i>Stipa</i>	16
<i>Triticum</i>	4	<i>Anthyllis</i>	15
<i>Cuscuta</i>	3	<i>Centaurea</i>	15
<i>Digitaria</i>	2	<i>Carduus</i>	10
<i>Gladiolus</i>	2	<i>Polygala</i>	10
<i>Lycium</i>	2	<i>Dianthus</i>	8
<i>Rumex</i>	2	<i>Daucus</i>	7
		<i>Sesleria</i>	6
		<i>Viola</i>	6
		<i>Anthemis</i>	5
		<i>Crepis</i>	5
		<i>Dactylis</i>	5
		<i>Helianthemum</i>	5
		<i>Helleborus</i>	5
		<i>Micromeria</i>	5
		<i>Rosa</i>	5
		<i>Stachys</i>	5

Hieracium, *Taraxacum*, *Carex*, *Centaurea*, *Limonium*, *Ranunculus*, *Ophrys* and *Pilosella*.

The taxa endemic to Italy are 1708, grouped in 70 families and 313 genera. Four genera are narrowly endemic to Italy: *Eokochia* (Chenopodiaceae), *Rhizobotrya* (Brassicaceae), *Petagnaea* and *Siculosciadium* (Apiaceae). Three genera are endemic to Sardegna and Corse (France): *Morisia* (Brassicaceae), *Castroviejoa* and *Nanantha* (Asteraceae).

The most represented families (>70 taxa) and genera (>30 taxa) concerning Italian endemic taxa are (Table 2): Asteraceae (582), Plumbaginaceae (117), Caryophyllaceae (97), Orchidaceae (87), Fabaceae (80), and Brassicaceae (78); *Hieracium* (337), *Limonium* (98), *Centaurea* (73), *Ophrys* (61), *Ranunculus* (37) and *Taraxacum* (33).

The taxa currently occurring in Italy are 7483, while 568 taxa have not been confirmed in recent times, 99 are doubtfully occurring in the country and 19 are data deficient (Table 3). Out of the 568 not confirmed taxa, 26 are considered extinct or possibly extinct: *Aldrovanda vesiculosa*, *Anthyllis hermanniae* subsp. *corsica*, *A. hermanniae* subsp. *sicula*, *Bromus grossus*, *Bulbostylis cioniana*, *Caldesia parnassifolia*, *Camelina alyssum* subsp. *alyssum*, *Carlina acanthifolia* subsp. *utzka*, *Castroviejoa frigida*, *Clematis integrifolia*, *Helianthemum syriacum* subsp. *thibaudii*, *Helosciadium repens*, *Herniaria fontanesii* subsp. *empedocleana*, *Launaea nudicaulis*, *Limonium catanense*, *L. intermedium*, *L. peucetium*, *Puccinellia gussonei*, *Ranunculus fiorii*, *R. fraelensis*, *R. hostiliensis*, *R. monspeliacus* subsp. *saxatilis*, *R. mutinensis*, *Sonchus palustris*, *Stratiotes aloides* and *Suaeda kocheri*. The taxa to be excluded at national level are 177 (see Appendix S4).

The administrative regions showing the highest number of taxa (Tables 4 and 5), also considering the regionally non-native (CAS, NAT, INV) taxa, are: PIE (3535), TAA (3504), LOM (3429), TOS (3400), VEN (3338) and ABR (3216). By excluding the taxa regionally non-native (CAS, NAT, INV) at regional level, the regions with the highest number of taxa are: PIE (3464), TOS (3370), LOM (3272), ABR (3190), VEN (3169) and TAA (3116). Cryptogenic taxa are 56, while 430 taxa are taxonomically doubtful (Table 6).

Checklist of the Italian native vascular flora

Lycophytes

Lycopodiaceae

- Diphasiastrum alpinum*** (L.) Holub
Diphasiastrum complanatum (L.) Holub
Diphasiastrum issleri (Rouy) Holub
Diphasiastrum oellgaardii Stoor, Boudrie, Jérôme, Horn & Bennert
Diphasiastrum tristachyum (Pursh) Holub
Diphasiastrum zeilleri (Rouy) Holub
Huperzia selago (L.) Bernh. ex Schrank & Mart. subsp. ***selago***
Lycopodiella inundata (L.) Holub
Lycopodium annotinum L. subsp. ***annotinum***
Lycopodium clavatum L. – Note: *Lycopodium lagopus* (Laest. ex Hartm.) Zinserl. ex Kuzen. is a reduced form of *L. clavatum*, without taxonomic value.

Isoëtaceae

Taxonomic references: Isoëtes (Troia and Greuter 2014; Bagella et al. 2015).

- Isoëtes durieui*** Bory
Isoëtes echinospora Durieu
Isoëtes gymnocarpa (Gennari) A.Braun
Isoëtes histrix Bory
Isoëtes longissima Bory
E ***Isoëtes malinverniana*** Ces. & De Not.
E ***Isoëtes sabatina*** Troia & Azella
Isoëtes sicula Tod.
Isoëtes tiguliana Gennari
E ***Isoëtes todaroana*** Troia & Raimondo

Selaginellaceae

- Selaginella denticulata*** (L.) Spring
Selaginella helvetica (L.) Spring
Selaginella selaginoides (L.) P.Beauv. ex Schrank & Mart.

Ferns and fern allies

Equisetaceae

- Equisetum arvense*** L.
Equisetum fluviatile L.
Equisetum hyemale L.
Equisetum palustre L.
Equisetum pratense Ehrh.
Equisetum ramosissimum Desf.
Equisetum sylvaticum L.
Equisetum telmateia Ehrh.
Equisetum variegatum Schleich. ex F.Weber & D.Mohr

Ophioglossaceae

- Botrychium lanceolatum*** (S.G.Gmel.) Ångstr.
Botrychium lunaria (L.) Sw.
Botrychium matricariifolium (A.Braun ex Döll) W.D.J.Koch
Botrychium simplex E.Hitchc.
Botrypus virginianus (L.) Michx.
Ophioglossum azoricum C.Presl – Note: The taxonomic identity of the population from VEN is highly questionable (Peruzzi et al. 2015c). According to the same authors, three hybrid taxa, morphologically similar to *O. azoricum*, occur in Italy.
Ophioglossum lusitanicum L.
Ophioglossum vulgatum L.
Sceptridium multifidum (S.G.Gmel.) M.Nishida ex Tagawa

Osmundaceae

- Osmunda regalis*** L.

Hymenophyllaceae

- Hymenophyllum tunbrigense*** (L.) Sm.
Vandenboschia speciosa (Willd.) G.Kunkel – Note: In LIG and in Monte Pisano (TOS), only gametophytes can be found.

Marsileaceae

- Marsilea quadrifolia*** L.
Marsilea strigosa Willd.
Pilularia globulifera L.
Pilularia minuta Durieu ex A.Braun

Salviniaceae

- Salvinia natans*** (L.) All.

Dennstaedtiaceae

- Pteridium aquilinum*** (L.) Kuhn subsp. ***aquilinum***

Pteridaceae

Adiantum capillus-veneris L.
Allosorus acrosticus (Balb.) Christenh.
Allosorus guanchicus (Bolle) Christenh.
Allosorus persicus (Bory) Christenh.
Allosorus pteridioides (Reichard) Christenh.
Allosorus tinaei (Tod.) Christenh.
Anogramma leptophylla (L.) Link
Cosentinia vellea (Aiton) Tod. subsp. ***bivalens*** (Reichst.) Rivas Mart. & Salvo
Cosentinia vellea (Aiton) Tod. subsp. ***vellea***
Cryptogramma crispa (L.) R.Br. ex Hook.
Paragymnopteris marantae (L.) K.H.Shing subsp. ***marantae***
Pteris cretica L.
Pteris vittata L.

Cystopteridaceae

Cystopteris alpina (Lam.) Desv.
Cystopteris diaphana (Bory) Blasdell
Cystopteris dickieana R.Sim
Cystopteris fragilis (L.) Bernh.
Cystopteris montana (Lam.) Bernh. ex Desv.
Cystopteris sudetica A.Braun & Milde
Gymnocarpium dryopteris (L.) Newman
Gymnocarpium robertianum (Hoffm.) Newman

Aspleniaceae

Asplenium adiantum-nigrum L. subsp. ***adiantum-nigrum***
Asplenium adulterinum Milde subsp. ***adulterinum***
E *Asplenium adulterinum* Milde subsp. ***presolanense*** Mokry, Rasbach & Reichst.
Asplenium balearicum Shivas
Asplenium ceterach L. subsp. ***bivalens*** (D.E.Mey.) Greuter & Burdet
Asplenium ceterach L. subsp. ***ceterach***
Asplenium ceterach L. subsp. ***cyprium*** (Viane & Van den heede) Viane
Asplenium cuneifolium Viv. subsp. ***cuneifolium***
Asplenium fissum Kit. ex Willd.
Asplenium fontanum (L.) Bernh. subsp. ***fontanum***
Asplenium foreziense Le Grand ex Magnier – Note: For the nomenclature of this species, see Boudrie and Viane (2012).
Asplenium lepidum C.Presl subsp. ***lepidum***
Asplenium marinum L.
Asplenium obovatum Viv. subsp. ***billotii*** (F.W.Schultz) O.Bolòs, Vigo, Masalles & Ninot
Asplenium obovatum Viv. subsp. ***obovatum***
Asplenium onopteris L.
Asplenium petrarchae (Guérin) DC. subsp. ***petrarchae***
Asplenium ruta-muraria L. subsp. ***dolomiticum*** Lovis & Reichst.
Asplenium ruta-muraria L. subsp. ***ruta-muraria***
Asplenium sagittatum (DC.) Bange
Asplenium scolopendrium L. subsp. ***scolopendrium***
Asplenium seelosii Leyb. subsp. ***seelosii***
Asplenium septentrionale (L.) Hoffm. subsp. ***septentrionale***
Asplenium trichomanes L. subsp. ***inexpectans*** Lovis – Note: The records from BAS, SIC and SAR refer to *A. microphyllum* Tineo, which is provisionally included here.
Asplenium trichomanes L. subsp. ***quadrivalens*** D.E.Mey.
Asplenium trichomanes L. subsp. ***pachyrachis*** (Christ) Lovis & Reichst.
Asplenium trichomanes L. subsp. ***trichomanes***
Asplenium viride Huds.

Thelypteridaceae

Oreopteris limbosperma (All.) Holub
Phegopteris connectilis (Michx.) Watt
Thelypteris palustris Schott

Woodsiaceae

Woodsia alpina (Bolton) Gray
Woodsia ilvensis (L.) R.Br.
Woodsia pulchella Bertol.

Onocleaceae

Matteuccia struthiopteris (L.) Tod.

Blechnaceae

Struthiopteris spicant (L.) Weiss
Woodwardia radicans (L.) Sm.

Athyriaceae

Athyrium filix-femina (L.) Roth
Pseudathyrium alpestre (Hoppe) Newman – Note: For the nomenclature of this species, see Wei et al. (2018).

Dryopteridaceae

Taxonomic references: *Dryopteris affinis* (Lowe) Fraser-Jenk. group (Fraser-Jenkins 2007).

Dryopteris affinis (Lowe) Fraser-Jenk. subsp. **affinis**

Dryopteris borrieri (Newman) Newman ex Oberh. & Tavel.

DD *Dryopteris cambrensis* (Fraser-Jenk.) J.Beitel & W.R.Buck subsp. **distans** (Viv.) Fraser-Jenk. – Note: Recorded for Italy by Fraser-Jenkins (2007), but without precise localities.

Dryopteris cambrensis (Fraser-Jenk.) J.Beitel & W.R.Buck subsp. **insubrica** (Oberh. & Tavel ex Fraser-Jenk.) Fraser-Jenk.

Dryopteris carthusiana (Vill.) H.P.Fuchs

Dryopteris dilatata (Hoffm.) A.Gray

Dryopteris expansa (C.Presl) Fraser-Jenk. & Jermy

Dryopteris filix-mas (L.) Schott

Dryopteris mindshelkensis Pavlov

Dryopteris oreades Fomin

Dryopteris pallida (Bory) Maire & Petitm. subsp. **pallida**

Dryopteris remota (A.Braun ex Döll) Druce

Dryopteris tyrrhena Fraser-Jenk. & Reichst.

Dryopteris villarii (Bellardi) Woyn. ex Schinz & Thell.

Polystichum aculeatum (L.) Roth

Polystichum braunii (Spenn.) Fée

Polystichum lonchitis (L.) Roth

Polystichum setiferum (Forssk.) T.Moore ex Woyn.

Polypodiaceae

Polypodium cambricum L.

Polypodium interjectum Shivas

Polypodium vulgare L.

Gymnosperms

Ephedraceae

Ephedra distachya L. subsp. **distachya**

Ephedra distachya L. subsp. **helvetica** (C.A.Mey.) Asch. & Graebn.

Ephedra foeminea Forssk.

Ephedra fragilis Desf.

Ephedra major Host subsp. **major**

Ephedra podostylax Boiss.

Pinaceae

Abies alba Mill.

E *Abies nebrodensis* (Lojac.) Mattei

Larix decidua Mill.

Picea abies (L.) H.Karst.

Picea obovata Ledeb.

Pinus cembra L.

Pinus halepensis Mill. subsp. **brutia** (Ten.) Holmboe

Pinus halepensis Mill. subsp. **halepensis**

Pinus heldreichii Christ subsp. **leucodermis** (Antoine) E.Murray

Pinus mugo Turra subsp. **mugo** – Note: The records of *Pinus rotundata* Link [*Pinus mugo* Turra subsp. *rotundata* (Link) Janch. & H.Neumayer] from Italy actually refer to *Pinus ×ascendens* Businský nothosubsp. *ascendens* (Businský and Kirschner 2006, 2010).

Pinus mugo Turra subsp. **uncinata** (Ramond ex DC.) Domin

E *Pinus nigra* J.F.Arnold subsp. **laricio** Palib. ex Maire

Pinus nigra J.F.Arnold subsp. **nigra**

Pinus pinaster Aiton subsp. **pinaster**

Pinus sylvestris L.

Cupressaceae

Taxonomic references: *Juniperus phoenicea* L. group (Mazur et al. 2016).

Juniperus communis L.

Juniperus deltoides R.P.Adams – Note: For a detailed study about the systematic relationships and the geographic distribution of this species in relation with *J. macrocarpa* and *J. oxycedrus*, see Roma-Marzio et al. (2017).

T *Juniperus macrocarpa* Sm.

Juniperus oxycedrus L.

Juniperus phoenicea L.

Juniperus sabina L.

Juniperus thurifera L.

Juniperus turbinata Guss.

Taxaceae

Taxus baccata L.

Angiosperms

Nymphaeaceae

Nuphar lutea (L.) Sm.

Nymphaea alba L.

Lauraceae

Laurus nobilis L.

Aristolochiaceae

Aristolochia clematitis L.E ***Aristolochia clusii*** Lojac.***Aristolochia lutea*** Desf.***Aristolochia navicularis*** E.Nardi***Aristolochia pallida*** Willd.***Aristolochia rotunda*** L. subsp. ***insularis*** (E.Nardi & Arrigoni) Gamisans***Aristolochia rotunda*** L. subsp. ***rotunda******Aristolochia sempervirens*** L.E ***Aristolochia sicula*** TineoE ***Aristolochia tyrrhena*** E.Nardi & Arrigoni***Asarum europaeum*** L.

Araceae

Ambrosina bassii L.***Arisarum proboscideum*** (L.) SaviE ***Arisarum vulgare*** O.Targ.Tozz. subsp. ***vulgare******Arum apulum*** (Carano) P.C.Boyce***Arum cylindraceum*** Gasp. ex Guss.***Arum italicum*** Mill. subsp. ***italicum******Arum maculatum*** L.***Arum pictum*** L.f. subsp. ***pictum******Biarum dispar*** (Schott) Talavera***Biarum tenuifolium*** (L.) Schott subsp. ***abbreviatum*** (Schott) K.Richt.***Biarum tenuifolium*** (L.) Schott subsp. ***tenuifolium******Dracunculus vulgaris*** Schott***Helicodiceros muscivorus*** (L.f.) Engl.***Lemna gibba*** L.***Lemna minor*** L.***Lemna trisulca*** L.***Spirodela polyrhiza*** (L.) Schleid.***Wolffia arrhiza*** (L.) Horkel ex Wimm.

Tofieldiaceae

Tofieldia calyculata (L.) Wahlenb.***Tofieldia pusilla*** (Michx.) Pers.

Alismataceae

Alisma gramineum Lej. subsp. ***gramineum******Alisma lanceolatum*** With.***Alisma plantago-aquatica*** L.***Baldellia ranunculoides*** (L.) Parl.***Caldesia parnassifolia*** (Bassi ex L.) Parl. – Note: Possibly extinct in Italy (Rossi et al. 2013).***Damasonium alisma*** Mill. subsp. ***alisma******Damasonium alisma*** Mill. subsp. ***bourgaei*** (Coss.) Maire***Damasonium polyspermum*** Coss.***Sagittaria sagittifolia*** L.

Butomaceae

Butomus umbellatus L.

Hydrocharitaceae

Hydrocharis morsus-ranae L.***Najas major*** All.T ***Najas marina*** L. subsp. ***armata*** (H.Lindb.) Horn***Najas minor*** All.***Stratiotes aloides*** L. – Note: Possibly extinct in the wild (Rossi et al. 2013). Recently, this species was recorded as alien in VEN (Masin and Tietto 2006).***Vallisneria spiralis*** L.

Scheuchzeriaceae

Scheuchzeria palustris L.

Juncaginaceae

Triglochin barrelieri Loisel.***Triglochin laxiflora*** Guss.***Triglochin maritima*** L.***Triglochin palustris*** L.

Zosteraceae

Taxonomic references: Tomlinson and Posluzny (2001), Kato et al. (2003).

Nanozostera noltei (Hornem.) Toml. & Posl.***Zostera marina*** L.

Cymodoceaceae
Cymodocea nodosa (Ucria) Asch.

Potamogetonaceae
 Taxonomic references: *Zannichellia* L. (Talavera et al. 1986).
Althenia filiformis Petit subsp. **filiformis**
Groenlandia densa (L.) Fourr.
Posidonia oceanica (L.) Delile
Potamogeton acutifolius Link
Potamogeton alpinus Balb.
Potamogeton berchtoldii Fieber
Potamogeton coloratus Hornem.
Potamogeton compressus L.
Potamogeton crispus L.
Potamogeton friesii Rupr.
Potamogeton gramineus L.
Potamogeton lucens L.
Potamogeton natans L.
Potamogeton nodosus Poir.
Potamogeton obtusifolius Mert. & W.D.J.Koch
Potamogeton perfoliatus L.
Potamogeton polygonifolius Pourr.
Potamogeton praelongus Wulfen
Potamogeton pusillus L.
Potamogeton schweinfurthii A.Benn.
Potamogeton trichoides Cham. & Schldl.
Stuckenia filiformis (Pers.) Börner
Stuckenia pectinata (L.) Börner
Zannichellia obtusifolia Talavera, García-Mur. & H.Smit
Zannichellia palustris L.
Zannichellia pedunculata Rchb.
Zannichellia peltata Bertol.

T

Ruppiaceae
Ruppia maritima L.
Ruppia spiralis L. ex Dumort.

Dioscoreaceae
Dioscorea communis (L.) Caddick & Wilkin

Colchicaceae
 Taxonomic references: *Colchicum* L. (Persson 2007, 2008; Fridlender 2009, 2016).
Colchicum alpinum DC.
Colchicum arenasii Fridl.
Colchicum autumnale L.
Colchicum bivonae Guss.
Colchicum bulbocodium Ker Gawl. subsp. **bulbocodium**
Colchicum bulbocodium Ker Gawl. subsp. **versicolor** (Ker Gawl.) K.Perss.
Colchicum cupanii Guss. subsp. **cupanii**
Colchicum gonarei Camarda
Colchicum longifolium Castagne
Colchicum lusitanum Brot.
Colchicum nanum K.Perss.
Colchicum neapolitanum (Ten.) Ten. subsp. **gracile** (K.Perss.) Fridl.
Colchicum neapolitanum (Ten.) Ten. subsp. **neapolitanum**
Colchicum triphyllum Kunze
Colchicum verlaqueae Fridl.

E

E

E

ET

E

E

Melanthiaceae
Paris quadrifolia L.
Veratrum album L.
Veratrum nigrum L.

Smilacaceae
Smilax aspera L.

Liliaceae
 Taxonomic references: *Tulipa* L. (Christenhusz et al. 2013); *Gagea* Salisb. (Peruzzi et al. 2008b, 2008c; Peruzzi 2012; Tison et al. 2013).
Erythronium dens-canis L.
Fritillaria burnatii (Planch.) Backh. – Note: The records of *F. tubaeformis* subsp. *tubaeformis* from Italy (Conti et al. 2005) actually refer to this taxon (Bartolucci and Peruzzi 2012; Bovio 2014; Mucciarelli et al. 2016).
Fritillaria involucreta All.
Fritillaria messanensis Raf. subsp. **gracilis** (Ebel) Rix – Note: For the distribution of this subspecies, see Peruzzi et al. (2017).
Fritillaria messanensis Raf. subsp. **messanensis**
Fritillaria montana Hoppe ex W.D.J.Koch – Note: For the nomenclature, taxonomy and distribution of this taxon, see Bartolucci et al. (2009), Peruzzi and Bartolucci (2009).
Fritillaria tubaeformis Gren. & Godr. subsp. **moggridgei** (Boiss. & Reuter ex Planch.) Rix

- Gagea amblyopetala* Boiss. & Heldr.
Gagea apulica Peruzzi & J.-M.Tison
 E *Gagea bohemica* (Zauschn.) Schult. & Schult.f. – Note: For the taxonomy of this species, see Peterson et al. (2010).
Gagea chrysantha Schult. & Schult.f.
Gagea foliosa (C.Presl) Schult. & Schult.f.
Gagea fragifera (Vill.) Ehr.Bayer & G.López – Note: For the nomenclature of this species, see Tison (2001).
Gagea granatellii (Parl.) Parl.
Gagea lacaitae A.Terracc.
Gagea lojaconoii Peruzzi
Gagea luberonensis J.-M.Tison
Gagea lutea (L.) Ker Gawl.
Gagea minima (L.) Ker Gawl.
Gagea peduncularis (J.Presl & C.Presl) Pascher
 E *Gagea peruzzii* J.-M.Tison
Gagea polidorii J.-M.Tison
Gagea pratensis (Pers.) Dumort.
Gagea pusilla (F.W.Schmidt) Sweet
Gagea ramulosa A.Terracc.
Gagea serotina (L.) Ker Gawl.
 E *Gagea sicula* Lojac.
Gagea soleirolii F.W.Schultz ex Mutel
Gagea spathacea (Hayne) Salisb.
 E *Gagea tisoniana* Peruzzi, Bartolucci, Frignani & Minut.
Gagea trinervia (Viv.) Greuter
Gagea villosa (M.Bieb.) Sweet
 T *Lilium bulbiferum* L. subsp. *bulbiferum*
Lilium bulbiferum L. subsp. *croceum* (Chaix) Jan
Lilium carnolicum Bernh. ex W.D.J.Koch
Lilium martagon L.
Lilium pomponium L.
Streptopus amplexifolius (L.) DC.
Tulipa pumila Moench
Tulipa sylvestris L.

Orchidaceae

Taxonomic references: *Ophrys* L. (Romolini and Souche 2012; GIROS 2016); *Coeloglossum* Hartm. (Devos et al. 2006).

- Anacamptis collina* (Banks & Sol. ex Russell) R.M.Bateman, Pridgeon & M.W.Chase
Anacamptis coriophora (L.) R.M.Bateman, Pridgeon & M.W.Chase
Anacamptis laxiflora (Lam.) R.M.Bateman, Pridgeon & M.W.Chase
Anacamptis longicornu (Poir.) R.M.Bateman, Pridgeon & M.W.Chase
Anacamptis morio (L.) R.M.Bateman, Pridgeon & M.W.Chase – Note: The record of *A. morio* subsp. *caucasica* (K.Koch) H.Kretzschmar from PUG (Griebel 2010) is included here.
Anacamptis palustris (Jacq.) R.M.Bateman, Pridgeon & M.W.Chase
Anacamptis papilionacea (L.) R.M.Bateman, Pridgeon & M.W.Chase
Anacamptis pyramidalis (L.) Rich.
Barlia robertiana (Loisel.) Greuter
Cephalanthera damasonium (Mill.) Druce
Cephalanthera longifolia (L.) Fritsch
Cephalanthera rubra (L.) Rich.
Chamorchis alpina (L.) Rich.
Coeloglossum viride (L.) Hartm.
Corallorhiza trifida Châtel.
Cypripedium calceolus L.
Dactylorhiza elata (Poir.) Soó subsp. *sesquipetalis* (Willd.) Soó
Dactylorhiza incarnata (L.) Soó subsp. *cruenta* (O.F.Müll.) P.D.Sell
Dactylorhiza incarnata (L.) Soó subsp. *incarnata*
Dactylorhiza insularis (Sommier) Ó.Sánchez & Herrero
Dactylorhiza lapponica (Laest. ex Hartm.) Soó subsp. *angustata* (Arv.-Touv.) Kretz
 T *Dactylorhiza lapponica* (Laest. ex Hartm.) Soó subsp. *rhaetica* H.Baumann & R.Lorenz
Dactylorhiza maculata (L.) Soó subsp. *fuchsii* (Druce) Hyl.
 T *Dactylorhiza maculata* (L.) Soó subsp. *saccifera* (Brongn.) Diklić
 T *Dactylorhiza maculata* (L.) Soó subsp. *savogiensis* (D.Tyteca & Gathoye) Kretz
Dactylorhiza majalis (Rchb.) P.F.Hunt & Summerh.
Dactylorhiza romana (Sebast.) Soó subsp. *markusii* (Tineo) Holub
Dactylorhiza romana (Sebast.) Soó subsp. *romana*
Dactylorhiza sambucina (L.) Soó
Dactylorhiza traunsteineri (Saut. ex Rchb.) Soó
 E *Epipactis aspromontana* Bartolo, Pulv. & Robatsch
Epipactis atrorubens (Hoffm.) Besser
 E *Epipactis autumnalis* Doro
Epipactis bugacensis Robatsch
 E *Epipactis calabrica* U.Grabner, S.Hertel & Presser
 E *Epipactis collaris* S.Hertel
 E *Epipactis cupaniana* C.Brullo, D'Emerico & Pulv.
Epipactis distans Art.-Touv.
 E *Epipactis etrusca* Presser & S.Hertel
Epipactis exilis P.Delforge

- Epipactis fageticola* (C.E.Hermos.) Devillers-Tersch. & Devillers
Epipactis greuteri H.Baumann & Künkele
Epipactis helleborine (L.) Crantz
E *Epipactis hyblaea* Brullo & Zimmitti
ET *Epipactis ioessa* Bongiorno, De Vivo, Fori & Romolini
Epipactis leptochila (Godfery) Godfery – Note: *Epipactis savelliana* Bongiorno, De Vivo & Fori is provisionally included here.
E *Epipactis lucana* Presser, S.Hertel & V.A.Romano
E *Epipactis maricae* (Croce, Bongiorno, De Vivo & Fori) Presser & S.Hertel
E *Epipactis meridionalis* H.Baumann & R.Lorenz
Epipactis microphylla (Ehrh.) Sw.
Epipactis muelleri Godfery
Epipactis naousensis Robatsch
Epipactis neglecta (Kümpel) Kümpel
Epipactis palustris (L.) Crantz
Epipactis placentina Bongiorno & Grünanger
Epipactis pontica Taubenheim
Epipactis purpurata Sm.
Epipactis rhodanensis Gévaudan & Robatsch
Epipactis rivularis Kranjčev & Čičmir
E *Epipactis sanguinea* S.Hertel & Presser
E *Epipactis schubertiorum* Bartolo, Pulv. & Robatsch
E *Epipactis thesaurensis* Agrezi, Ovatoli & Bongiorno
E *Epipactis zaupolensis* (Barbaro & Kreutz) Bongiorno, De Vivo & Fori
Epipogium aphyllum Sw.
Gennaria diphylla (Link) Parl.
Goodyera repens (L.) R.Br.
Gymnadenia conopsea (L.) R.Br.
Gymnadenia densiflora (Wahlenb.) A.Dietr.
Gymnadenia odoratissima (L.) Rich.
Herminium monorchis (L.) R.Br.
Himantoglossum adriaticum H.Baumann
Himantoglossum hircinum (L.) Spreng.
Limodorum abortivum (L.) Sw.
E *Limodorum brulloi* Bartolo & Pulv.
Limodorum trabutianum Batt.
Liparis loeselii (L.) Rich.
Liparis nemoralis (Perazza, Decarli, Filippin, Bruna & Regattin) Bartolucci & Galasso – Note: This species was considered as endemic to Italy (Perazza et al. 2012; Perazza and Lorenz 2013; Peruzzi et al. 2014a; Bartolucci and Galasso 2016), but it has been recently recorded also for Austria by Stöhr (2016).
Malaxis monophyllos (L.) Sw.
Malaxis paludosa (L.) Sw.
Neotinea lactea (Poir.) R.M.Bateman, Pridgeon & M.W.Chase
Neotinea maculata (Desf.) Stearn
Neotinea tridentata (Scop.) R.M.Bateman, Pridgeon & M.W.Chase
Neotinea ustulata (L.) R.M.Bateman, Pridgeon & M.W.Chase
Neottia cordata (L.) Rich.
Neottia nidus-avis (L.) Rich.
Neottia ovata (L.) Bluff & Fingerh.
E *Nigritella buschmanniae* Teppner & Ster
Nigritella corneliana (Beauverd) Gözl & H.R.Reinhard
Nigritella lithopolitana Ravink
Nigritella miniata (Crantz) Janch.
Nigritella nigra (L.) Rchb. subsp. *austriaca* Teppner & E.Klein – Note: This subspecies was discovered in 2017 in PIE by C. Lasen and A. Selvaggi (unpublished data).
Nigritella rhellicani Teppner & E.Klein
Nigritella widderi Teppner & E.Klein
ET *Ophrys annae* Devillers-Tersch. & Devillers
Ophrys apifera Huds.
ET *Ophrys appennina* Romolini & Soca
ET *Ophrys apulica* (O.Danesch & E.Danesch) O.Danesch & E.Danesch
ET *Ophrys archimedeae* P.Delforge & M.Walravens
ET *Ophrys argentaria* Devillers-Tersch. & Devillers
ET *Ophrys ausonia* Devillers, Devillers-Tersch. & P.Delforge
T *Ophrys bertolonii* Moretti subsp. *benacensis* (Reisigl) P.Delforge
Ophrys bertolonii Moretti subsp. *bertolonii*
ET *Ophrys bertolonii* Moretti subsp. *bertoloniiformis* (O.Danesch & E.Danesch) H.Sund
ET *Ophrys bertolonii* Moretti subsp. *explanata* (Lojac.) Soca
T *Ophrys bertolonii* Moretti subsp. *saratoi* (E.G.Camus) Soca
E *Ophrys biancae* (Tod.) Macch.
Ophrys bilunulata Risso
E *Ophrys biscutella* O.Danesch & E.Danesch
Ophrys bombyliflora Link
ET *Ophrys brutia* P.Delforge
T *Ophrys caesiella* P.Delforge
ET *Ophrys calliantha* Bartolo & Pulv.
T *Ophrys calocaerina* Devillers-Tersch. & Devillers
T *Ophrys candica* (E.Nelson ex Soó) H.Baumann & Künkele
ET *Ophrys chestermanii* (J.J.Wood) Gözl & H.R.Reinhard
ET *Ophrys cinnabarina* Romolini & Soca

- ET *Ophrys classica* Devillers-Tersch. & Devillers
 ET *Ophrys conradiae* Melki & Deschatres
 T *Ophrys corsica* Soleirol ex G.Foelsche & W.Foelsche
 E *Ophrys crabronifera* Mauri
 T *Ophrys delforgei* Devillers-Tersch. & Devillers
 T *Ophrys dinarica* Kranjčev & P.Delforge
 T *Ophrys exaltata* Ten. subsp. *arachnitiformis* (Gren. & M.Philippe) Del Prete
 T *Ophrys exaltata* Ten. subsp. *archipelagi* (Gözl & H.R.Reinhard) Del Prete
 E *Ophrys exaltata* Ten. subsp. *exaltata*
 ET *Ophrys exaltata* Ten. subsp. *montis-leonis* (O.Danesch & E.Danesch) Soca
 ET *Ophrys exaltata* Ten. subsp. *morisii* (Martelli) Del Prete
 T *Ophrys exaltata* Ten. subsp. *splendida* (Gözl & H.R.Reinhard) Soca
 ET *Ophrys flammeola* P.Delforge
 T *Ophrys forestieri* (Rchb.f.) Lojac.
Ophrys funerea Viv.
 ET *Ophrys gackiae* P.Delforge
Ophrys gracilis (Büel, O.Danesch & E.Danesch) Paulus
 ET *Ophrys gravinensis* D'Alonzo
Ophrys gresivaudanica O.Gerbaud
Ophrys holosericea (Burm.f.) Greuter subsp. *holosericea*
 ET *Ophrys holosericea* (Burm.f.) Greuter subsp. *lorenae* (E.De Martino & Centur.) Kreutz
Ophrys incubacea Bianca
Ophrys insectifera L.
 T *Ophrys iricolor* Desf. subsp. *eleonora* (Devillers-Tersch. & Devillers) Paulus & Gack ex Kreutz
Ophrys lacaitae Lojac.
 ET *Ophrys laurensis* Geniez & Melki
 ET *Ophrys lepida* S.Moingeon & J.-M.Moingeon
 T *Ophrys ligustica* Romolini & Soca
 T *Ophrys litigiosa* E.G.Camus
 ET *Ophrys lojaconoi* P.Delforge
 E *Ophrys lucana* P.Delforge, Devillers-Tersch. & Devillers
 ET *Ophrys lucifera* Devillers-Tersch. & Devillers
 E *Ophrys lunulata* Parl.
Ophrys lutea Cav.
 ET *Ophrys maritima* Pacifico & Soca
 T *Ophrys marmorata* G.Foelsche & W.Foelsche
 T *Ophrys massiliensis* Viglione & Véla
 ET *Ophrys mattinatae* Medagli, A.Rossini, Quitadamo, D'Emérico & Turco
 ET *Ophrys minipassionis* Romolini & Soca
 T *Ophrys mirabilis* Geniez & Melki
 ET *Ophrys molisana* P.Delforge
 ET *Ophrys murgiana* Cillo, Medagli & Margh.
 ET *Ophrys normanii* J.J.Wood
 E *Ophrys obaesa* Lojac.
 ET *Ophrys oestrifera* M.Bieb. subsp. *montis-gargani* Van de Vijver & W.Looken
 ET *Ophrys ortuabis* M.P.Grasso & Manca
 ET *Ophrys oxyrrhynchos* Tod. subsp. *celiensis* (O.Danesch & E.Danesch) Del Prete
 ET *Ophrys oxyrrhynchos* Tod. subsp. *ingrassiae* Dura, Turco, Gennaio & Medagli
 E *Ophrys oxyrrhynchos* Tod. subsp. *oxyrrhynchos*
Ophrys pallida Raf.
 ET *Ophrys panattensis* Scrugli, Cogoni & Pessei
 E *Ophrys panormitana* (Tod.) Soó
 ET *Ophrys parvimaculata* (O.Danesch & E.Danesch) Paulus & Gack
 ET *Ophrys passionis* Sennen ex Devillers-Tersch. & Devillers subsp. *majellensis* (Helga Daiss & Herm.Daiss) Soca
Ophrys passionis Sennen ex Devillers-Tersch. & Devillers subsp. *passionis*
 ET *Ophrys peucetiae* Lozito, D'Emérico, Medagli & Turco
 ET *Ophrys pinguis* Romolini & Soca
 ET *Ophrys pollinensis* E.Nelson ex Devillers-Tersch. & Devillers
 E *Ophrys promontorii* O.Danesch & E.Danesch
 ET *Ophrys pseudoatrata* S.Hertel & Presser
 ET *Ophrys pseudomelena* Turco, Medagli & D'Emérico
 T *Ophrys pseudoscolopax* (Moggr.) Paulus & Gack
 T *Ophrys riojana* C.E.Hermos.
 T *Ophrys santonica* J.M.Mathé & Melki
Ophrys scolopax Cav. subsp. *apiformis* (Desf.) Maire & Weiller
Ophrys scolopax Cav. subsp. *cornuta* (Steven) E.G.Camus
Ophrys sicula Tineo
 ET *Ophrys sipontensis* (Gumpr.) O.Danesch & E.Danesch
Ophrys speculum Link
 ET *Ophrys sphegodes* Mill. subsp. *grassoana* Cristaudo, Galesi, R.Lorenz & Zelesny
Ophrys sphegodes Mill. subsp. *sphegodes*
 ET *Ophrys tardans* O.Danesch & E.Danesch
 ET *Ophrys tarentina* Gözl & H.R.Reinhard
 ET *Ophrys tarquinia* P.Delforge
 ET *Ophrys tenthredinifera* Willd. subsp. *aprilia* (Devillers & Devillers-Tersch.) Kreutz
 ET *Ophrys tenthredinifera* Willd. subsp. *grandiflora* (Ten.) Kreutz
 ET *Ophrys tenthredinifera* Willd. subsp. *neglecta* (Parl.) E.G.Camus
 T *Ophrys tetraloniae* W.P.Teschner

- T *Ophrys untchjii* (M.Schulze) P.Delforge
T *Ophrys vetula* Risso
Orchis anthropophora (L.) All.
E *Orchis brancifortii* Biv.
Orchis italica Poir.
ET *Orchis mascula* (L.) L. subsp. *ichnusae* Corrias
Orchis mascula (L.) L. subsp. *mascula*
T *Orchis mascula* (L.) L. subsp. *olbiensis* (Reut. ex Gren.) Asch. & Graebn.
T *Orchis mascula* (L.) L. subsp. *speciosa* (Mutel) Hegi
Orchis militaris L.
Orchis pallens L.
Orchis patens Desf.
Orchis pauciflora Ten.
Orchis provincialis Balb. ex Lam. & DC.
Orchis purpurea Huds.
Orchis quadripunctata Cirillo ex Ten.
Orchis simia Lam.
Orchis spitzelii Saut. ex W.D.J.Koch
Platanthera algeriensis Batt. & Trab.
Platanthera bifolia (L.) Rich.
Platanthera chlorantha (Custer) Rchb.
Platanthera kuenkelei H.Baumann subsp. *kuenkelei*
Pseudorchis albida (L.) Á.Löve & D.Löve
Serapias bergonii E.G.Camus
ET *Serapias cordigera* L. subsp. *lucana* R.Lorenz & V.A.Romano
Serapias cordigera L. subsp. *cordigera*
E *Serapias cossyrensis* B.Baumann & H.Baumann
E *Serapias francavillae* Cristaudo, Galesi & R.Lorenz
E *Serapias intermedia* Forest. ex F.W.Schultz subsp. *hyblaea* Cristaudo, Galesi & R.Lorenz
Serapias lingua L.
Serapias neglecta De Not.
Serapias nurrica Corrias subsp. *nurrica*
ET *Serapias nurrica* Corrias subsp. *santuingsensis* (Senis, M.P.Grasso & Orrù) Senis, M.P.Grasso & Orrù
E *Serapias orientalis* (Greuter) H.Baumann & Künkele subsp. *apulica* H.Baumann & Künkele
E *Serapias orientalis* (Greuter) H.Baumann & Künkele subsp. *siciliensis* Bartolo & Pulv.
Serapias parviflora Parl.
Serapias politisii Renz
Serapias strictiflora Welw. ex Veiga subsp. *gregaria* (Godf.) Kretz
Serapias vomeracea (Burm.f.) Briq.
Spiranthes aestivalis (Poir.) Rich.
Spiranthes spiralis (L.) Chevall.
Traunsteinera globosa (L.) Rchb.

Iridaceae

Taxonomic references: *Chamaeiris* Medik., *Hermodactylus* Mill., *Iris* L. s.str., *Juno* Tratt., *Limniris* (Tausch) Rchb., *Moraea* Mill., and *Xiphion* Mill. (Peruzzi et al. 2014b; Crespo et al. 2015); *Crocus* L. ser. *Verni* B.Mathew (Harpke et al. 2015).

- Chamaeiris foetidissima* (L.) Medik.
Chamaeiris graminea (L.) Medik.
Chamaeiris lorea (Janka) Peruzzi, F.Conti & Bartolucci
E *Crocus biflorus* Mill. – Note: For the taxonomy and distribution of this species, see Harpke et al. (2016).
E *Crocus etruscus* Parl.
Crocus heuffelianus Herb. – Note: For the taxonomy and distribution of this species, see Peruzzi (2016).
E *Crocus ilvensis* Peruzzi & Carta – Note: For the taxonomy and distribution of this species, see Peruzzi and Carta (2011).
E *Crocus imperati* Ten.
Crocus ligusticus Mariotti
Crocus longiflorus Raf.
E *Crocus minimus* DC.
Crocus neapolitanus (Ker Gawl.) Loisel.
Crocus neglectus Peruzzi & Carta
E *Crocus siculus* Tineo ex Guss.
E *Crocus suaveolens* Bertol.
Crocus thomasi Ten.
Crocus variegatus Hoppe & Hornsch. – Note: For the taxonomy of this species, see Harpke et al. (2014).
Crocus vernus (L.) Hill – Note: For the typification of this name, see Peruzzi et al. (2013b).
Crocus versicolor Ker Gawl.
Crocus weldenii Hoppe & Fürnr.
C *Gladiolus byzantinus* Mill.
Gladiolus dubius Guss.
Gladiolus illyricus W.D.J.Koch
Gladiolus imbricatus L.
C *Gladiolus italicus* Mill.
Gladiolus palustris Gaudin
Hermodactylus tuberosus (L.) Mill.
Iris benacensis A.Kern. ex Stapf
E *Iris bicapitata* Colas.
ET *Iris calabra* (N.Terracc.) Peruzzi
E *Iris cengialti* Ambrosi ex A.Kern. subsp. *cengialti*

- Iris cengialti* Ambrosi ex A.Kern. subsp. ***illyrica*** (Asch. & Graebn.) Poldini
 E *Iris cengialti* Ambrosi ex A.Kern. subsp. ***veneta*** (Pamp.) Trinajstić
Iris lutescens Lam.
 E *Iris marsica* I.Ricci & Colas.
Iris perrieri Simonet ex N.Service
 E *Iris pseudopumila* Tineo
 E *Iris relictata* Colas.
 E *Iris revoluta* Colas.
 E *Iris sabina* N.Terracc.
 E *Iris setina* Colas.
Juno planifolia (Mill.) Asch.
Limniris pseudacorus (L.) Fuss
Limniris sibirica (L.) Fuss
Moraea sisyrinchium (L.) Ker Gawl.
 E ***Romulea bocchierii*** Frignani & Iriti
Romulea bulbocodium (L.) Sebast. & Mauri
Romulea columnae Sebast. & Mauri
 E ***Romulea insularis*** Sommier
Romulea ligustica Parl.
 E ***Romulea linaresii*** Parl. subsp. ***linaresii***
Romulea ramiflora Ten. subsp. ***ramiflora***
 E ***Romulea requienii*** Parl.
 E ***Romulea revelierei*** Jord. & Fourr.
Romulea rollii Parl.
 E ***Romulea variicolor*** Mifsud
Xiphion junceum (Poir.) Parl.
Xiphion vulgare Mill.

Asphodelaceae

- Asphodeline liburnica*** (Scop.) Rchb.
Asphodeline lutea (L.) Rchb.
 T ***Asphodelus albus*** Mill. subsp. ***delphinensis*** (Gren. & Godr.) Z.Díaz & Valdés
Asphodelus ayardii Jahand. & Maire
Asphodelus cerasiferus J.Gay
Asphodelus fistulosus L.
Asphodelus macrocarpus Parl. subsp. ***macrocarpus***
Asphodelus ramosus L. subsp. ***ramosus***
Asphodelus tenuifolius Cav.
Hemerocallis lilioasphodelus L.
Simethis mattiazzii (Vandelli) Saccardo

Amaryllidaceae

Taxonomic references: *Sternbergia* Waldst. & Kit. (Peruzzi et al. 2008a).

- Acis autumnalis*** (L.) Sweet
 E ***Acis nicaeensis*** (Ardoino) Lledó, A.P.Davis & M.B.Crespo
 E ***Acis rosea*** (F.Martin bis) Sweet
Allium acutiflorum Loisel.
 E ***Allium aetnense*** Brullo, Pavone & Salmeri
 E ***Allium agrigentinum*** Brullo & Pavone
Allium amethystinum Tausch
Allium angulosum L.
 E ***Allium anzalonei*** Brullo, Pavone & Salmeri
 E ***Allium apulum*** Brullo, Guglielmo, Pavone & Salmeri
Allium atrovioleaceum Boiss.
 E ***Allium calabrum*** (N.Terracc.) Brullo, Pavone & Salmeri
Allium carinatum L.
 E ***Allium castellanense*** (Garbari, Miceli & Raimondo) Brullo, Guglielmo, Pavone & Salmeri
Allium chamaemoly L. subsp. ***chamaemoly***
Allium chamaespathum Boiss.
Allium coloratum Spreng.
Allium commutatum Guss.
 E ***Allium cupanii*** Raf.
Allium cyrilli Ten. – Note: For the taxonomy and distribution of this species, see Peruzzi et al. (2012a).
 E ***Allium diomedeam*** Brullo, Guglielmo, Pavone & Salmeri
Allium ericetorum Thore
Allium flavum L. subsp. ***flavum***
 E ***Allium francinae*** Brullo & Pavone
 E ***Allium garbarii*** Peruzzi
 E ***Allium garganicum*** Brullo, Pavone, Salmeri & Terrasi
 E ***Allium hemisphaericum*** (Sommier) Brullo
Allium horvatii Lovrić
 E ***Allium insubricum*** Boiss. & Reut. ex Reut.
 E ***Allium julianum*** Brullo, Gangale & Uzunov
 E ***Allium lehmannii*** Lojac.
Allium longispathum Redouté – Note: There is a nomenclatural dispute concerning the application of the name *A. longispathum* Redouté. This name, if treated as conspecific with *A. dentiferum*, holds priority (a view supported by Jauzein and Tison 2001; which is followed here). On the contrary, Brullo et al. (2008) consider *A. dentiferum* as a taxon different from *A. longispathum*. The latter name, according to Brullo and Guarino (2017), should be applied to plants historically known in FVG, for Trieste area, and formerly called *A. paniculatum* L. The latter species, repeatedly wrongly recorded for Italy, is actually limited to E Europe (S Russia, Ukraine; Salmeri et al. 2016).

- E *Allium lopadusanum* Bartolo, Brullo & Pavone
Allium lusitanicum Lam.
Allium moschatum L.
Allium narcissiflorum Vill.
Allium neapolitanum Cirillo
- ET *Allium nebrodense* Guss.
Allium nigrum L.
- E *Allium obtusiflorum* DC.
Allium ochroleucum Waldst. & Kit.
Allium oleraceum L. subsp. **oleraceum**
Allium oporinanthum Brullo, Pavone & Salmeri
Allium pallens L.
- E *Allium panormitanum* Brullo, Pavone & Salmeri
- E *Allium parviflorum* Viv.
- E *Allium pelagicum* Brullo, Pavone & Salmeri
Allium pendulinum Ten.
- E *Allium pentadactyli* Brullo, Pavone & Spamp.
Allium permixtum Guss.
Allium polyanthum Schult. & Schult.f.
Allium roseum L. subsp. **roseum**
Allium rotundum L.
- E *Allium samniticum* Brullo, Pavone & Salmeri
Allium sardoum Moris
Allium savii Parl.
Allium scaberrimum M.Serres
Allium schoenoprasum L. subsp. **schoenoprasum**
Allium siculum Ucria
Allium sphaerocephalon L. subsp. **arvense** (Guss.) Arcang.
- ET *Allium sphaerocephalon* L. subsp. **laxiflorum** (Guss.) Giardina & Raimondo
Allium sphaerocephalon L. subsp. **sphaerocephalon**
Allium strictum Schrad.
Allium suaveolens Jacq.
Allium subhirsutum L. subsp. **subhirsutum**
Allium tenuiflorum Ten.
Allium trifoliatum Cirillo
Allium triquetrum L.
Allium ursinum L.
- E *Allium vernale* Tineo
Allium victorialis L.
Allium vineale L.
Galanthus nivalis L.
Galanthus reginae-olgae Orph. subsp. **reginae-olgae**
- T *Galanthus reginae-olgae* Orph. subsp. **vernalis** Kamari
Leucojum aestivum L. subsp. **aestivum**
Leucojum aestivum L. subsp. **pulchellum** (Salisb.) Briq.
Leucojum vernalis L.
Narcissus miniatus Donn.-Morg., Koop. & Zonn.
Narcissus obsoletus (Haw.) Steud.
Narcissus poeticus L.
Narcissus pseudonarcissus L. subsp. **provincialis** (Pugsley) J.-M.Tison – Note: The taxonomic identity of the populations from Italian Alps (LIG and PIE) is doubtful and needs further studies.
Narcissus pseudonarcissus L. subsp. **pseudonarcissus** – Note: Some populations from LIG and PIE are native.
- E *Narcissus supramontanus* Arrigoni subsp. **cunicularium** Arrigoni
- E *Narcissus supramontanus* Arrigoni subsp. **supramontanus**
Narcissus tazetta L. subsp. **aureus** (Loisel.) Baker
Narcissus tazetta L. subsp. **italicus** (Ker Gawl.) Baker
Narcissus tazetta L. subsp. **tazetta**
- E *Pancratium illyricum* L. – Note: For the typification of this name, see Peruzzi et al. (2013c).
Pancratium maritimum L.
Sternbergia colchiciflora Waldst. & Kit.
Sternbergia lutea (L.) Ker Gawl. ex Spreng.
- T *Sternbergia sicula* Tineo ex Guss.

Asparagaceae

- Anthericum liliago* L.
Anthericum ramosum L.
Aphyllanthes monspeliensis L.
Asparagus acutifolius L.
Asparagus albus L.
Asparagus aphyllus L.
Asparagus horridus L.
Asparagus maritimus (L.) Mill.
Asparagus officinalis L. subsp. **officinalis**
Asparagus pastorianus Webb & Berthel.
Asparagus tenuifolius Lam.
Bellevalia boissieri Freyn – Note: For the taxonomy of this species with respect to *B. dubia*, see Borzatti von Loewenstern et al. (2013).
Bellevalia ciliata (Cirillo) T.Nees

- E ***Bellevalia dubia*** (Guss.) Rchb.
E ***Bellevalia pelagica*** C.Brullo, Brullo & Pasta – Note: Unique Italian representative of a N African tetraploid group (Astuti et al. 2017a).
Bellevalia romana (L.) Sweet
Bellevalia trifoliata (Ten.) Kunth
E ***Bellevalia webbiana*** Parl. – Note: For the biology and distribution of this species, see Astuti et al. (2018) and literature cited therein.
Brimeura fastigiata (Viv.) Chouard
E ***Charybdis glaucophylla*** Bacch., Brullo, D'Emerico, Pontec. & Salmeri
Charybdis maritima (L.) Speta
Charybdis numidica (Jord. & Fourr.) Speta
Charybdis pancration (Steinh.) Speta
Charybdis undulata (Desf.) Speta
Chouardia litardierei (Breistr.) Speta
Convallaria majalis L.
Dipcadi serotinum (L.) Medik.
Hyacinthoides italica (L.) Rothm.
Loncomelos brevistylus (Wolfner) Dostál
Loncomelos narbonensis (L.) Raf.
Loncomelos pyrenaicus (L.) L.D.Hrouda subsp. ***pyrenaicus***
T ***Loncomelos pyrenaicus*** (L.) L.D.Hrouda subsp. ***sphaerocarpus*** (A.Kern.) Holub
Maianthemum bifolium (L.) F.W.Schmidt
Melomphis arabica (L.) Raf.
Muscari botryoides (L.) Mill. subsp. ***botryoides***
ET ***Muscari botryoides*** (L.) Mill. subsp. ***longifolium*** (Rigo) Garbari
Muscari commutatum Guss.
Muscari comosum (L.) Mill.
E ***Muscari gussonei*** (Parl.) Nyman
Muscari kernerii (Marches.) Soldano
Muscari neglectum Guss. ex Ten.
Muscari parviflorum Desf.
Muscari tenuiflorum Tausch
Oncostema ceruleum (Raf.) Speta
E ***Oncostema dimartinoi*** (Brullo & Pavone) F.Conti & Soldano
Oncostema elongatum (Parl.) Speta
E ***Oncostema siculum*** (Tineo) Speta
E ***Oncostema ughii*** (Tineo) Speta
Ornithogalum collinum Guss. subsp. ***collinum***
Ornithogalum comosum L.
E ***Ornithogalum corsicum*** Jord. & Fourr.
Ornithogalum divergens Boreau
E ***Ornithogalum etruscum*** Parl. subsp. ***etruscum***
ET ***Ornithogalum etruscum*** Parl. subsp. ***umbratile*** (Tornad. & Garbari) Peruzzi & Bartolucci
E ***Ornithogalum exscapum*** Ten.
Ornithogalum gussonei Ten.
Ornithogalum kochii Parl. subsp. ***kochii***
Ornithogalum kochii Parl. subsp. ***monticola*** (Jord. & Fourr.) Peruzzi
Ornithogalum montanum Cirillo ex Ten.
ET ***Ornithogalum orthophyllum*** Ten. – Note: Its systematic relationships with *O. etruscum* need further biosystematic studies. In addition, both names are yet to be typified.
Ornithogalum refractum Willd.
Ornithogalum umbellatum L.
Paradisea liliastrum (L.) Bertol.
Polygonatum multiflorum (L.) All.
Polygonatum odoratum (Mill.) Druce
Polygonatum verticillatum (L.) All.
Prospero autumnale (L.) Speta
E ***Prospero corsicum*** (Boullu) J.-M.Tison
Prospero elisae Speta
E ***Prospero hierae*** Brullo, C.Brullo, Giusso, Pavone & Salmeri
Prospero obtusifolium (Poir.) Speta subsp. ***intermedium*** (Guss.) Soldano & F.Conti
Ruscus aculeatus L.
Ruscus hypoglossum L.
C ***Ruscus hypophyllum*** L.
Scilla bifolia L.
Urginea fugax (Moris) Steinh.

Arecaceae

Chamaerops humilis L.

Typhaceae

Sparganium angustifolium Michx.***Sparganium emersum*** Rehmman***Sparganium erectum*** L.***Sparganium hyperboreum*** Laest. ex Beurl.***Sparganium microcarpum*** (Neuman) Čelak.***Sparganium natans*** L.***Sparganium neglectum*** Beeby***Typha angustifolia*** L.***Typha domingensis*** (Pers.) Steud.

Typha latifolia L.
Typha laxmannii Lepech.
Typha minima Funk ex Hoppe
Typha shuttleworthii W.D.J.Koch & Sond.

Juncaceae

Taxonomic references: *Oreojuncus* Záv.Drábk. & Kirschner (Záveská Drábková and Kirschner 2013).

Juncus acutiflorus Ehrh. ex Hoffm.

Juncus acutus L. subsp. **acutus**

Juncus alpinoarticulatus Chaix subsp. **alpinoarticulatus**

Juncus anceps Laharpe

Juncus arcticus Willd.

Juncus articulatus L. subsp. **articulatus**

Juncus atratus Krock.

Juncus bufonius L.

Juncus bulbosus L.

Juncus capitatus Weigel

Juncus castaneus Sm.

Juncus compressus Jacq.

Juncus conglomeratus L.

Juncus effusus L. subsp. **effusus**

Juncus filiformis L.

Juncus foliosus Desf.

Juncus fontanesii J.Gay subsp. **fontanesii**

Juncus fontanesii J.Gay subsp. **pyramidatus** (Laharpe) Snogerup

Juncus gerardi Loisel. subsp. **gerardi**

Juncus heterophyllus Dufour

Juncus hybridus Brot. – Note: According to Kirschner (2002), *J. ambiguus* Guss. is included here.

Juncus inflexus L. subsp. **inflexus**

Juncus jacquinii L.

Juncus littoralis C.A.Mey.

Juncus maritimus Lam.

Juncus minutulus (Albert & Jahand.) Prain.

Juncus pygmaeus Rich. ex Thuill.

Juncus ranarius Sonjeon & E.P.Perrier

Juncus rigidus Desf.

Juncus sorrentinii Parl.

Juncus sphaerocarpus Nees

Juncus squarrosus L.

Juncus striatus Schousb. ex E.Mey.

Juncus subnodulosus Schrank

Juncus subulatus Forssk.

Juncus tenageia L.f. subsp. **tenageia**

Juncus thomasii Ten.

Juncus tingitanus Maire & Weiller

Juncus triglumis L. subsp. **triglumis**

C *Juncus valvatus* Link

Luzula alpina Hoppe

E *Luzula alpinopilosa* (Chaix) Breistr. subsp. **alpinopilosa**

Luzula calabra Ten.

Luzula campestris (L.) DC. subsp. **campestris**

Luzula congesta (Thuill.) Lej.

Luzula divulgata Kirschner

Luzula divulgatiformis Bačič & Jogan

Luzula exspectata Bačič & Jogan

Luzula forsteri (Sm.) DC.

Luzula glabrata (Hoppe) Desv.

Luzula lutea (All.) DC. subsp. **lutea**

Luzula luzulina (Vill.) Racib.

Luzula luzuloides (Lam.) Dandy & Wilmott subsp. **luzuloides**

Luzula luzuloides (Lam.) Dandy & Wilmott subsp. **rubella** (Hoppe ex Mert. & W.D.J.Koch) Holub

Luzula multiflora (Ehrh.) Lej. subsp. **multiflora**

Luzula nivea (Nathh.) DC.

Luzula nutans (Vill.) Duval-Jouve

Luzula pedemontana Boiss. & Reut.

Luzula pilosa (L.) Willd.

Luzula pindica (Hauskn.) Chrtek & Křísa

Luzula spicata (L.) DC. subsp. **bulgarica** (Chrtek & Křísa) Gamisans

Luzula spicata (L.) DC. subsp. **conglomerata** (W.D.J.Koch) Murr

E *Luzula spicata* (L.) DC. subsp. **italica** (Parl.) Arcang.

Luzula spicata (L.) DC. subsp. **spicata**

Luzula sudetica (Willd.) Schult.

E *Luzula sylvatica* (Huds.) Gaudin subsp. **sicula** (Parl.) K.Richt.

Luzula sylvatica (Huds.) Gaudin subsp. **sieberi** (Tausch) K.Richt.

Luzula sylvatica (Huds.) Gaudin subsp. **sylvatica**

Luzula taurica (V.I.Krecz.) Novikov

Oreojuncus monanthos (Jacq.) Záv.Drábk. & Kirschner

Oreojuncus trifidus (Jacq.) Záv.Drábk. & Kirschner

Cyperaceae

Taxonomic references: *Schoenoplectiella* Lye (Lye 2003; Shiels et al. 2014; Glon et al. 2017).*Blysmus compressus* (L.) Panz. ex Link*Bolboschoenus glaucus* (Lam.) S.G.Sm.*Bolboschoenus laticarpus* Marhold, Hroudová, Ducháček & Zákr.*Bolboschoenus maritimus* (L.) Palla*Bolboschoenus planiculmis* (F.W.Schmidt) T.V.Egorova*Bulbostylis cioniana* (Pi.Savi) Lye – Note: Possibly extinct in Italy (D'Antraccoli et al. 2017).*Carex acuta* L.*Carex acutiformis* Ehrh.*Carex alba* Scop.*Carex appropinquata* Schumach.*Carex aterrima* Hoppe*Carex atrata* L.*Carex atrofusca* Schkuhr*Carex austroalpina* Bech.*Carex baldensis* L.*Carex bicolor* All.*Carex bohémica* Schreb.*Carex brachystachys* Schrank*Carex brizoides* L.*Carex brunnescens* (Pers.) Poir.*Carex buekii* Wimm.*Carex buxbaumii* Wahlenb.*Carex canescens* L.*Carex capillaris* L. subsp. *capillaris**Carex capitata* L.*Carex caryophyllea* Latourr.*Carex chordorrhiza* L.f.*Carex colchica* J.Gay*Carex curvula* All. subsp. *curvula**Carex curvula* All. subsp. *rosae* Gilomen*Carex davalliana* Sm.*Carex demissa* Hornem.*Carex depauperata* Curtis ex With.*Carex depressa* Link subsp. *basilaris* (Jord.) Cif. & Giacom.*Carex diandra* Schrank*Carex digitata* L.*Carex dioica* L.*Carex distachya* Desf.*Carex distans* L.*Carex disticha* Huds.*Carex divisa* Huds.*Carex divulsa* Stokes*Carex echinata* Murray*Carex elata* All. subsp. *elata**Carex elongata* L.*Carex ericetorum* Pollich*Carex extensa* Gooden.*Carex ferruginea* Scop.*Carex fimbriata* Schkuhr*Carex firma* HostT *Carex flacca* Schreb. subsp. *erythrostachys* (Hoppe) Holub*Carex flacca* Schreb. subsp. *flacca**Carex flava* L.*Carex foetida* All.*Carex frigida* All.*Carex fritschii* Waisb.*Carex fuliginosa* Schkuhr subsp. *fuliginosa**Carex grioletii* Roem.*Carex halleriana* Asso*Carex hartmanii* Cajander*Carex heleonastes* L.f.*Carex hirta* L.*Carex hispida* Willd.*Carex hostiana* DC.*Carex humilis* Leyss.*Carex illegitima* Ces.*Carex kitaibeliana* Degen ex Bech.*Carex lachenalii* Schkuhr*Carex laevigata* Sm.*Carex lasiocarpa* Ehrh.*Carex laxula* Tin. ex Boott*Carex leersii* F.W.Schultz*Carex lepidocarpa* Tausch subsp. *lepidocarpa**Carex leporina* L.*Carex limosa* L.*Carex liparocarpos* Gaudin subsp. *liparocarpos*

- Carex macrolepis* DC.
 E *Carex macrostachys* Bertol.
Carex magellanica Lam. subsp. *irrigua* (Wahlenb.) Hiitonen
Carex mairei Coss. & Germ.
Carex maritima Gunnerus
Carex melanostachya Willd.
Carex michelii Host
 E *Carex microcarpa* Bertol. ex Moris
Carex microglochin Wahlenb.
Carex montana L.
Carex mucronata All.
Carex muricata L.
Carex myosuroides Vill.
Carex nigra (L.) Reichard subsp. *intricata* (Tineo) Rivas Mart.
Carex nigra (L.) Reichard subsp. *nigra*
Carex norvegica Retz.
Carex oedipostyla Duval-Jouve
Carex olbiensis Jord.
Carex ornithopoda Willd.
Carex ornithopodioides Hausm.
Carex otrubae Podp.
Carex pairae F.W.Schultz
Carex pallescens L.
Carex panicea L.
Carex paniculata L. subsp. *paniculata*
Carex panormitana Guss.
Carex parviflora Host
Carex pauciflora Lightf.
Carex pediformis C.A.Mey. subsp. *pediformis*
Carex pendula Huds.
Carex phyllostachys C.A.Mey.
Carex pilosa Scop.
Carex pilulifera L. subsp. *pilulifera*
Carex praecox Schreb.
Carex pseudocyperus L.
Carex pulicaris L.
Carex punctata Gaudin
Carex randalpina B.Walln.
Carex remota L.
Carex repens Bellardi
Carex riparia Curtis
Carex rostrata Stokes
Carex rupestris All.
Carex sempervirens Vill. subsp. *sempervirens*
Carex simpliciuscula Wahlenb.
Carex spicata Huds.
Carex stenophylla Wahlenb. subsp. *stenophylla*
Carex strigosa Huds.
Carex supina Wahlenb.
Carex sylvatica Huds.
Carex tomentosa L.
Carex umbrosa Host subsp. *umbrosa*
Carex vaginata Tausch
Carex vesicaria L.
Carex viridula Michx.
Carex vulpina L.
Cladium mariscus (L.) Pohl
Cyperus alopecuroides Rottb.
Cyperus badius Desf.
Cyperus capitatus Vand.
Cyperus distachyos All.
Cyperus flavescens L.
Cyperus flavidus Retz.
Cyperus fuscus L.
Cyperus glaber L.
Cyperus laevigatus L.
Cyperus longus L.
Cyperus michelianus (L.) Delile
 C *Cyperus polystachyos* Rottb.
Cyperus rotundus L.
Eleocharis acicularis (L.) Roem. & Schult.
Eleocharis caduca (Delile) Schult.
Eleocharis carniolica W.D.J.Koch
Eleocharis mamillata (H.Lindb.) H.Lindb. subsp. *austriaca* (Hayek) Strandh.
Eleocharis mamillata (H.Lindb.) H.Lindb. subsp. *mamillata*
Eleocharis multicaulis (Sm.) Desv.
Eleocharis ovata (Roth) Roem. & Schult.
Eleocharis palustris (L.) Roem. & Schult. subsp. *palustris*

Eleocharis parvula (Roem. & Schult.) Link ex Bluff, Nees & Schauer
Eleocharis quinqueflora (Hartmann) O.Schwarz
Eleocharis uniglumis (Link) Schult.
Eriophorum angustifolium Honck. subsp. **angustifolium**
Eriophorum gracile W.D.J.Koch ex Roth
Eriophorum latifolium Hoppe
Eriophorum scheuchzeri Hoppe
Eriophorum vaginatum L.
Fimbristylis bisumbellata (Forssk.) Bubani
Fimbristylis dichotoma (L.) Vahl
Fimbristylis squarrosa Vahl
Fuirena pubescens (Poir.) Kunth
Isolepis cernua (Vahl) Roem. & Schult.
Isolepis fluitans (L.) R.Br.
Isolepis pseudosetacea (Daveau) Gand.
Isolepis setacea (L.) R.Br.
Rhynchospora alba (L.) Vahl
Rhynchospora fusca (L.) W.T.Aiton
Schoenoplectiella mucronata (L.) J.Jung & H.K.Choi
Schoenoplectiella supina (L.) Lye
Schoenoplectus lacustris (L.) Palla – Note: *Schoenoplectus xcarinatus* (Sm.) Palla (*S. lacustris* (L.) Palla × *S. triqueter* (L.) Palla) is also recorded for Italy.
Schoenoplectus litoralis (Schrad.) Palla
Schoenoplectus pungens (Vahl) Palla
Schoenoplectus tabernaemontani (C.C.Gmel.) Palla
Schoenoplectus triqueter (L.) Palla
Schoenus ferrugineus L.
Schoenus nigricans L.
Scirpoides holoschoenus (L.) Soják
Scirpus radicans Schkuhr
Scirpus sylvaticus L.
Trichophorum alpinum (L.) Pers.
Trichophorum cespitosum (L.) Hartm. subsp. **cespitosum**
Trichophorum pumilum (Vahl) Schinz & Thell.

Poaceae

Taxonomic references: *Festuca* L. (incl. *Ctenopsis* De Not., *Micropyrum* (Gaudin) Link, *Psilurus* Trin., *Vulpia* C.C.Gmel.) (Soreng et al. 2017); *Lolium* L. (Ardenghi and Foggi 2015; Banfi et al. 2018); *Triticum* L. (Perrino et al. 2014); according to Kellogg (2015) and Saarela et al. (2017), *Avellinia* Parl., *Gaudinia* P.Beauv., *Koeleria* Pers. and *Rostraria* Trin. should be included in *Trisetaria* Forssk. as well as *Trisetum* Pers. We currently have considered only *Trisetum* within *Trisetaria* according to Soldano (1993), Banfi and Soldano (1996) and Banfi (2000).

Achnatherum bromoides (L.) P.Beauv. – Note: The nomenclature follows the phylogenetic classification proposed by Soreng et al. (2017).

Achnatherum calamagrostis (L.) P.Beauv.

Achnatherum virescens (Trin.) Banfi, Galasso & Bartolucci – Note: For the nomenclature of this species, see Banfi et al. (2018).

Aeluropus lagopoides (L.) Trin. ex Thwaites

Aeluropus litoralis (Gouan) Parl. subsp. **litoralis**

Agropyron pectiniforme Roem. & Schult.

Agrostis alpina Scop.

ET *Agrostis canina* L. subsp. **aspromontana** Brullo, Scelsi & Spamp.

Agrostis canina L. subsp. **canina**

ET *Agrostis canina* L. subsp. **monteluccii** Selvi

Agrostis capillaris L. subsp. **capillaris**

Agrostis castellana Boiss. & Reut.

Agrostis curtisii Kerguelén

Agrostis gigantea Roth subsp. **gigantea**

Agrostis linkii Banfi, Galasso & Bartolucci subsp. **linkii** – Note: For the nomenclature of this species, see Banfi et al. (2018).

Agrostis pourretii Willd.

Agrostis rupestris All. subsp. **rupestris**

Agrostis schleicheri Jord. & Verl.

Agrostis schraderiana Bech.

Agrostis stolonifera L. subsp. **maritima** (Lam.) Vasc.

Agrostis stolonifera L. subsp. **scabriglumis** (Boiss. & Reut.) Maire

Agrostis stolonifera L. subsp. **stolonifera**

Agrostis vinealis Schreb.

Aira caryophyllea L.

Aira cupaniana Guss.

Aira elegantissima Schur subsp. **elegantissima**

Aira intermedia Guss.

Aira multiculmis Dumort.

Aira praecox L.

Aira provincialis Jord.

Aira tenorei Guss.

Airopsis tenella (Cav.) Coss. & Durieu

Alopecurus aequalis Sobol.

Alopecurus arundinaceus Poir. subsp. **arundinaceus**

Alopecurus bulbosus Gouan subsp. **bulbosus**

Alopecurus geniculatus L.

Alopecurus gerardi Will.

Alopecurus myosuroides Huds. subsp. **myosuroides**

- Alopecurus pratensis* L. subsp. ***pratensis***
Alopecurus rendlei Eig
Ampelodesmos mauritanicus (Poir.) T.Durand & Schinz
Andropogon distachyos L.
Anisantha diandra (Roth) Tutin ex Tzvelev
Anisantha fasciculata (C.Presl) Nevski subsp. ***fasciculata***
Anisantha macranthera (Hack. ex Trab.) P.Silva
Anisantha madritensis (L.) Nevski subsp. ***madritensis***
Anisantha rigida (Roth) Hyl.
Anisantha rubens (L.) Nevski
Anisantha sterilis (L.) Nevski
Anisantha tectorum (L.) Nevski
Anthoxanthum aristatum Boiss.
Anthoxanthum australe (Schr.) Veldkamp – Note: For the nomenclature of this species, see Soreng et al. (2017).
Anthoxanthum gracile Biv.
Anthoxanthum nipponicum Honda
Anthoxanthum nitens (Weber) Y.Schouten & Veldkamp – Note: For the nomenclature of this species, see Soreng et al. (2017).
Anthoxanthum odoratum L.
Anthoxanthum ovatum Lag.
Antinoria insularis Parl.
Apera interrupta (L.) P.Beauv.
Apera spica-venti (L.) P.Beauv. subsp. ***spica-venti***
Aristida adscensionis L. subsp. ***coerulescens*** (Desf.) Auquier & J.Duvign.
Arrhenatherum album (Vahl) Clayton
Arrhenatherum elatius (L.) P.Beauv. ex J.Presl & C.Presl subsp. ***bulbosum*** (Willd.) Schübl. & G.Martens
Arrhenatherum elatius (L.) P.Beauv. ex J.Presl & C.Presl subsp. ***elatius***
E *Arrhenatherum elatius* (L.) P.Beauv. ex J.Presl & C.Presl subsp. ***nebrodense*** (Brullo, Miniss. & Spamp.) Giardina & Raimondo
Arrhenatherum elatius (L.) P.Beauv. ex J.Presl & C.Presl subsp. ***sardoum*** (Em.Schmid) Gamisans
Arundo donaciformis (Loisel.) Hardion, Verlaque & B.Vila
Arundo micrantha Lam.
Arundo plinii Turra
Avellinia festucoides (Link) Valdés & H.Scholz
Avena barbata Pott ex Link
Avena clauda Durieu
Avena insularis Ladiz.
Avena longiglumis Durieu
Avena lusitanica (Tab.Morais) B.R.Baum
Avena saxatilis (Lojac.) Rocha Afonso
Avena wiestii Steud.
Avenella flexuosa (L.) Drejer subsp. ***flexuosa***
Avenula pubescens (Huds.) Dumort. subsp. ***laevigata*** (Schur) Holub
Avenula pubescens (Huds.) Dumort. subsp. ***pubescens***
E *Beckmannia eruciformis* (L.) Host subsp. ***eruciformis***
E *Bellardiochloa variegata* (Lam.) Kerguélen subsp. ***aetnensis*** (C.Presl) Giardina & Raimondo
E *Bellardiochloa variegata* (Lam.) Kerguélen subsp. ***nebrodensis*** (Asch. & Graebn.) C.Brullo, Brullo & Giusso
Bellardiochloa variegata (Lam.) Kerguélen subsp. ***variegata***
Bothriochloa insculpta (A.Rich.) A.Camus subsp. ***panormitana*** (Parl.) Giardina & Raimondo
Bothriochloa ischaemum (L.) Keng
E *Brachypodium distachyon* (L.) P.Beauv.
E *Brachypodium genuense* (DC.) Roem. & Schult.
Brachypodium glaucovirens (Murb.) T.Durand & B.D.Jacks.
Brachypodium hybridum Catalán, Joch.Müll., Hasterok & Jenkins – Note: For the nomenclature and distribution of this species, see Catalán et al. (2012, 2016).
Brachypodium phoenicoides (L.) Roem. & Schult.
Brachypodium pinnatum (L.) P.Beauv.
Brachypodium retusum (Pers.) P.Beauv.
Brachypodium rupestre (Host) Roem. & Schult.
Brachypodium stacei Catalán, Joch.Müll., Mur & Langdon – Note: For the nomenclature and distribution of this species, see Catalán et al. (2012, 2016).
Brachypodium sylvaticum (Huds.) P.Beauv.
Briza maxima L.
Briza media L.
Briza minor L.
E *Bromopsis benekenii* (Lange) Holub
E *Bromopsis caprina* (A.Kern. ex Hack.) Banfi & N.G.Passal.
Bromopsis condensata (Hack.) Holub subsp. ***condensata***
Bromopsis condensata (Hack.) Holub subsp. ***microtricha*** (Borbás) Jogan & Bačič
Bromopsis erecta (Huds.) Fourr. subsp. ***erecta***
Bromopsis erecta (Huds.) Fourr. subsp. ***stenophylla*** (Link) H.Scholz & Valdés
Bromopsis erecta (Huds.) Fourr. subsp. ***transilvanica*** (Steud.) H.Scholz & Valdés
DD *Bromopsis pannonica* (Kumm. & Sendtn.) Holub subsp. ***pannonica***
DD *Bromopsis pumpelliana* (Scribn.) Holub
DD *Bromopsis ramosa* (Huds.) Holub subsp. ***ramosa***
DD *Bromus alopecuroides* Poir. subsp. ***alopecuroides***
DD *Bromus arvensis* L. subsp. ***arvensis***
DD *Bromus arvensis* L. subsp. ***segetalis*** H.Scholz
DD *Bromus commutatus* Schrad. subsp. ***commutatus***
DD *Bromus commutatus* Schrad. subsp. ***decipiens*** (Bomble & H.Scholz) H.Scholz
DD *Bromus commutatus* Schrad. subsp. ***neglectus*** (Parl.) P.M.Sm.

- Bromus grossus* Desf. ex DC. – Note: Possibly extinct in Italy (Rossi et al. 2013).
Bromus hordeaceus L. subsp. **hordeaceus**
Bromus hordeaceus L. subsp. **longipedicellatus** Spalton
Bromus hordeaceus L. subsp. **molliformis** (J.Lloyd ex Billot) Maire & Weiller
Bromus hordeaceus L. subsp. **pseudothominei** (P.M.Sm.) H.Scholz
Bromus hordeaceus L. subsp. **thominei** (Hardouin) Braun-Blanq.
Bromus intermedius Guss.
Bromus japonicus Thunb. subsp. **anatolicus** (Boiss. & Heldr.) Péntzes
Bromus japonicus Thunb. subsp. **japonicus**
Bromus japonicus Thunb. subsp. **subsquarrosus** (Borbás) Péntzes
Bromus lanceolatus Roth
Bromus parvispiculatus H.Scholz
Bromus racemosus L. subsp. **racemosus**
Bromus scoparius L.
Bromus secalinus L.
Bromus squarrosus L. subsp. **squarrosus**
Calamagrostis arenaria (L.) Roth subsp. **arundinacea** (Husn.) Banfi, Galasso & Bartolucci – Note: For the nomenclature of this taxon, see Banfi et al. (2018).
Calamagrostis arundinacea (L.) Roth
E *Calamagrostis canescens* (Weber) Roth subsp. **canescens**
Calamagrostis corsica (Hack. ex Briq.) Prain
Calamagrostis epigejos (L.) Roth subsp. **epigejos**
Calamagrostis pseudophragmites (Haller f.) Koeler subsp. **pseudophragmites**
Calamagrostis varia (Schrad.) Host
Calamagrostis villosa (Chaix) J.F.Gmel.
Castellia tuberculosa (Moris) Bor
Catabrosa aquatica (L.) P.Beauv.
Catapodium balearicum (Willk.) H.Scholz
Catapodium hemipoa (Delile ex Spreng.) M.Laínz
Catapodium pauciflorum (Merino) Brullo, Giusso, Miniss. & Spamp.
Catapodium rigidum (L.) C.E.Hubb. subsp. **majus** (C.Presl) F.H.Perring & P.D.Sell
Catapodium rigidum (L.) C.E.Hubb. subsp. **rigidum**
Catapodium zwierleinii (Lojac.) Brullo
Cenchrus ciliaris L.
Chrysopogon gryllus (L.) Trin.
Cleistogenes serotina (L.) Keng subsp. **serotina**
Coleanthus subtilis (Tratt.) Seidl – Note: This species is recorded only for TAA, but it lacks recent confirmations. According to Rossi et al. (2013), *C. subtilis* is possibly extinct in Italy.
Cornucopiae cucullatum L.
Corynephorus articulatus (Desf.) P.Beauv.
Corynephorus canescens (L.) P.Beauv.
Corynephorus divaricatus (Pourr.) Breistr.
Cynodon dactylon (L.) Pers.
Cynosurus cristatus L.
Cynosurus echinatus L.
Cynosurus effusus Link
Cynosurus polybracteatus Poir.
T *Dactylis glomerata* L. subsp. **glomerata**
T *Dactylis glomerata* L. subsp. **hackelii** (Asch. & Graebn.) Cif. & Giacom.
T *Dactylis glomerata* L. subsp. **hispanica** (Roth) Nyman
T *Dactylis glomerata* L. subsp. **lobata** (Drejer) H.Lindb.
T *Dactylis glomerata* L. subsp. **reichenbachii** (Dalla Torre & Sarnth.) Stebbins & D.Zohary
T *Dactylis glomerata* L. subsp. **slovenica** (Domin) Domin
Danthonia alpina Vest
Danthonia decumbens (L.) DC. subsp. **decumbens**
Dasyphyrum villosum (L.) P.Candargy
DD *Deschampsia cespitosa* (L.) P.Beauv. subsp. **cespitosa**
Deschampsia cespitosa (L.) P.Beauv. subsp. **gaudinii** K.Richt.
Deschampsia cespitosa (L.) P.Beauv. subsp. **parviflora** (Thuill.) Dumort.
Deschampsia cespitosa (L.) P.Beauv. subsp. **rhenana** (Gremli) Kerguélen
Deschampsia media (Gouan) Roem. & Schult. subsp. **media**
E *Desmazeria pignattii* Brullo & Pavone
Desmazeria sicula (Jacq.) Dumort.
Digitaria debilis (Desf.) Willd.
C *Digitaria ischaemum* (Schreb. ex Schweigg.) Schreb. ex Muhl. subsp. **ischaemum**
C *Digitaria sanguinalis* (L.) Scop.
E *Drymochloa drymeja* (Mert. & W.D.J.Koch) Holub subsp. **exaltata** (C.Presl) Foggi & Signorini
Drymochloa sylvatica (Pollich) Holub
Echinaria capitata (L.) Desf.
Echinochloa crus-galli (L.) P.Beauv. subsp. **crus-galli**
Elymus acutus (DC.) M.A.Thiébaud
Elymus caninus (L.) L.
Elymus elongatus (Host) Runemark subsp. **elongatus**
Elymus farctus (Viv.) Runemark ex Melderis
Elymus flaccidifolius (Boiss. & Heldr.) Melderis
Elymus hispidus (Opiz) Melderis subsp. **barbulatus** (Schur) Melderis
Elymus hispidus (Opiz) Melderis subsp. **hispidus**
Elymus hispidus (Opiz) Melderis subsp. **pouzolzii** (Godr.) Melderis

- Elymus panormitanus* (Parl.) Tzelev
Elymus repens (L.) Gould subsp. **repens**
Eragrostis barrelieri Daveau subsp. **barrelieri**
Eragrostis cilianensis (All.) Vignolo ex Janch. subsp. **cilianensis**
Eragrostis minor Host subsp. **minor**
Eragrostis pilosa (L.) P.Beauv. subsp. **pilosa**
E *Festuca acuminata* Gaudin
E *Festuca alfrediana* Foggi & Signorini subsp. **alfrediana**
E *Festuca alfrediana* Foggi & Signorini subsp. **ferrariniana** Foggi, Parolo & Gr.Rossi
Festuca alopecuroides Schousb.
Festuca alpestris Roem. & Schult.
Festuca alpina Suter
E *Festuca apuanica* Markgr.-Dann.
Festuca arvernensis Auquier, Kerguélen & Markgr.-Dann. subsp. **costei** (St.-Yves) Auquier & Kerguélen
E *Festuca austrodolomitica* Pils & Prosser
Festuca bauzanina (Pils) S.Arndt subsp. **bauzanina**
Festuca bauzanina (Pils) S.Arndt subsp. **rhaetica** S.Arndt
Festuca billyi Kerguélen & Plonka
Festuca bosniaca Kumm. & Sendtn. subsp. **bosniaca**
Festuca bromoides L.
E *Festuca calva* (Hack.) K.Richt.
E *Festuca centroalpenninica* (Markgr.-Dann.) Foggi, F.Conti & Pignatti
Festuca cinerea Vill.
Festuca circummediterranea Patzke
Festuca cyrnea (Litard. & St.-Yves) Signorini, Foggi & Nardi
Festuca danthonii Asch. & Graebn. Subsp. **danthonii**
Festuca divaricata Desf.
Festuca fasciculata Forssk.
Festuca filiformis Pourr.
Festuca flavescens Bellardi
E *Festuca gamisansii* Kerguélen subsp. **aethaliae** Signorini & Foggi
Festuca geniculata (L.) Lag. & Rodr. subsp. **geniculata**
Festuca guinochetii (Bidault) S.Arndt
Festuca gypsophila Hack.
Festuca halleri All. subsp. **halleri**
Festuca heteromalla Pourr.
Festuca heterophylla Lam.
E *Festuca humifusa* Brullo & Guarino
ET *Festuca imperatrix* Cationica
Festuca incurva (Gouan) Gutermann
Festuca inops De Not.
Festuca intercedens (Hack.) Lüdi ex Bech.
Festuca jeanpertii (St.-Yves) Markgr.-Dann. subsp. **campana** (N.Terracc.) Markgr.-Dann.
Festuca lachenalii (C.C.Gmel.) Spenn.
Festuca laevigata Gaudin
Festuca lanceolata Forssk.
Festuca ligustica (All.) Bertol.
Festuca luedii (Markgr.-Dann.) Foggi, Gr.Rossi, Parolo & Wallossek
Festuca marginata (Hack.) K.Richt. subsp. **gallica** (Hack.) Breistr. ex Ardenghi & Foggi
Festuca maritima L.
E *Festuca morisiana* Parl. subsp. **morisiana**
E *Festuca morisiana* Parl. subsp. **sicula** Cristaudo, Foggi, Galesi & Maugeri
Festuca muralis Kunth
Festuca myuros L. subsp. **myuros**
Festuca nigricans (Hack.) K.Richt.
Festuca nitida Kit. ex Schult. subsp. **nitida**
Festuca norica (Hack.) K.Richt.
Festuca ovina L. subsp. **guestfalica** (Boenn. ex Rchb.) K.Richt.
Festuca ovina L. subsp. **molineri** (Litard.) O.Bolòs & Vigo
Festuca picturata Pils
E *Festuca pignattiorum* Markgr.-Dann.
Festuca plonkae Foggi & Signorini
Festuca pseudodura Steud.
Festuca pseudovaria J.Vetter
Festuca pumila Chaix
Festuca pyramidata Link
E *Festuca riccerii* Foggi & Gr.Rossi
Festuca rivularis Boiss. subsp. **rivularis**
E *Festuca robustifolia* Markgr.-Dann.
Festuca rubra L. subsp. **commutata** (Gaudin) Markgr.-Dann.
Festuca rubra L. subsp. **juncea** (Hack.) K.Richt.
Festuca rubra L. subsp. **microphylla** St.-Yves
Festuca rubra L. subsp. **rubra** – Note: This is a doubtfully native taxon, used as a turf grass. Most literature records from natural environments may refer to other subspecies of *F. rubra* or to *F. trichophylla* (Ducros ex Gaudin) K.Richt.
E *Festuca rupicaprina* (Hack.) A.Kern.
Festuca sardoa (Hack.) K.Richt.
Festuca scabriculumis (Hack.) K.Richt.
Festuca sicula C.Presl

- Festuca stenantha* (Hack.) K.Richt.
Festuca stricta Host subsp. ***sulcata*** (Hack.) Patzke ex Pils
Festuca stricta Host subsp. ***trachyphylla*** (Hack.) Patzke ex Pils
Festuca ticinensis (Markgr.-Dann.) Markgr.-Dann.
Festuca trichophylla (Ducros ex Gaudin) K.Richt. subsp. ***asperifolia*** (St.-Yves) Al-Bermani
Festuca trichophylla (Ducros ex Gaudin) K.Richt. subsp. ***trichophylla***
Festuca valesiaca Schleich. ex Gaudin subsp. ***valesiaca***
E *Festuca veneris* Gr.Rossi, Foggi & Signorini
E *Festuca violacea* Ser. ex Gaudin subsp. ***italica*** Foggi, Gr.Rossi & Signorini
E *Festuca violacea* Ser. ex Gaudin subsp. ***puccinellii*** (Parl.) Foggi, Gr.Rossi & Signorini
Festuca violacea Ser. ex Gaudin subsp. ***violacea***
Festuca winnebachensis (Wallossek & Markgr.-Dann.) Foggi, Gr.Rossi, Parolo & Wallossek
Gastridium phleoides (Nees & Meyen) C.E.Hubb. subsp. ***phleoides*** – Note: It is often confused with *G. ventricosum* (Gouan) Schinz & Thell.
Gastridium scabrum C.Presl
Gastridium ventricosum (Gouan) Schinz & Thell.
Gaudinia fragilis (L.) P.Beauv.
Glyceria declinata Bréb.
Glyceria fluitans (L.) R.Br.
Glyceria maxima (Hartm.) Holmb. subsp. ***maxima***
Glyceria notata Chevall.
Glyceria pedicellata F.Towns.
Glyceria spicata Guss.
Hainardia cylindrica (Willd.) Greuter
Helictochloa adsurgens (Simonk.) Romero Zarco subsp. ***ausserdorferi*** (Asch. & Graebn.) Romero Zarco
Helictochloa bromoides (Gouan) Romero Zarco subsp. ***bromoides***
Helictochloa cincinnata (Ten.) Romero Zarco
E *Helictochloa praetutiana* (Parl. ex Arcang.) Bartolucci, F.Conti, Peruzzi & Banfi subsp. ***praetutiana***
E *Helictochloa praetutiana* (Parl. ex Arcang.) Bartolucci, F.Conti, Peruzzi & Banfi subsp. ***rigida*** (Sarfatti) Bartolucci, F.Conti, Peruzzi & Banfi
Helictochloa praeusta (Rchb.) Romero Zarco subsp. ***pseudoviolacea*** (Dalla Torre) H.Scholz
Helictochloa pratensis (L.) Romero Zarco subsp. ***pratensis*** – Note: This taxon has been detected once by A. Saint-Yves near Fenestrelle (Torino, Piemonte), while all other records for the Italian Alps are unreliable (Banfi 2017).
Helictochloa versicolor (Vill.) Romero Zarco subsp. ***versicolor***
Helictotrichon convolutum (C.Presl) Henrard
Helictotrichon parlatorei (Woods) Pilg.
Helictotrichon petzense Melzer
Helictotrichon sedenense (Clarion ex DC.) Holub subsp. ***sedenense***
Helictotrichon sempervirens (Vill.) Pilg.
Helictotrichon setaceum (Vill.) Henrard
Hemarthria altissima (Poir.) Stapf & C.E.Hubb.
Heteropogon contortus (L.) P.Beauv. ex Roem. & Schult.
Holcus annuus C.A.Mey. subsp. ***setigulumis*** (Boiss. & Reut) M.Seq. & Castrov.
Holcus lanatus L. subsp. ***lanatus***
Holcus mollis L. subsp. ***mollis***
ET *Holcus notarisi* Nyman – Note: Since this species was only recorded for its *locus classicus*, where it has never been found again, we can suspect that it just represents a teratological expression of *H. mollis* (widespread in the same habitat), rather than a truly distinct species.
Hordelymus europaeus (L.) Harz
Hordeum bulbosum L.
Hordeum geniculatum All.
Hordeum marinum Huds.
Hordeum murinum L. subsp. ***glaucum*** (Steud.) Tzvelev
Hordeum murinum L. subsp. ***leporinum*** (Link) Arcang.
Hordeum murinum L. subsp. ***murinum***
Hordeum secalinum Schreb.
Hyparrhenia hirta (L.) Stapf subsp. ***hirta***
Hyparrhenia sinaica (Delile) Llaouradó ex G.López
Imperata cylindrica (L.) Raeusch.
Koeleria australis A.Kern.
Koeleria callieri (Domin) Ujhelyi
Koeleria cenisia Reut. ex E.Rev.
Koeleria eriostachya Pančić
Koeleria hirsuta Gaudin
T *Koeleria insubrica* Brullo, Giusso & Miniss.
ET *Koeleria lucana* Brullo, Giusso & Miniss.
Koeleria macrantha (Ledeb.) Schult. subsp. ***macrantha***
Koeleria pyramidata (Lam.) P.Beauv.
E *Koeleria splendens* C.Presl
Koeleria subcaudata (Asch. & Graebn.) Ujhelyi
Koeleria vallesiana (Honck.) Gaudin subsp. ***alpicola*** (Gren. & Godr.) Asch. & Graebn.
Koeleria vallesiana (Honck.) Gaudin subsp. ***vallesiana***
Lagurus ovatus L. subsp. ***nanus*** (Guss.) Messeri
Lagurus ovatus L. subsp. ***ovatus***
Lagurus ovatus L. subsp. ***vestitus*** (Messeri) Brullo
Lamarckia aurea (L.) Moench
Leersia oryzoides (L.) Sw.
E *Leucopoa calabrca* (Huter, Porta & Rigo) H.Scholz & Foggi
Leucopoa dimorpha (Guss.) H.Scholz & Foggi
Leucopoa laxa (Host) H.Scholz & Foggi
Leucopoa pulchella (Schrad.) H.Scholz & Foggi subsp. ***jurana*** (Gren.) H.Scholz & Foggi

- Leucopoa pulchella* (Schrad.) H.Scholz & Foggi subsp. ***pulchella***
Leucopoa spectabilis (Jan ex Bertol.) H.Scholz & Foggi subsp. ***carniolica*** (Hack.) H.Scholz & Foggi
Leucopoa spectabilis (Jan ex Bertol.) H.Scholz & Foggi subsp. ***croatica*** (A.Kern.) Foggi, Parolo, Gr.Rossi, Ardenghi & Quercioli
Leucopoa spectabilis (Jan ex Bertol.) H.Scholz & Foggi subsp. ***spectabilis***
Lolium apenninum (De Not.) Ardenghi & Foggi
Lolium arundinaceum (Schreb.) Darbysh. subsp. ***arundinaceum***
Lolium giganteum (L.) Darbysh.
Lolium interruptum (Desf.) Banfi, Galasso, Foggi, Kopecký & Ardenghi subsp. ***corsicum*** (Hack.) Banfi, Galasso, Kopecký & Ardenghi
Lolium interruptum (Desf.) Banfi, Galasso, Foggi, Kopecký & Ardenghi subsp. ***interruptum***
Lolium multiflorum Lam.
Lolium perenne L.
Lolium pluriflorum (Schult.) Banfi, Galasso, Foggi, Kopecký & Ardenghi
Lolium pratense (Huds.) Darbysh.
Lolium rigidum Gaudin subsp. ***lepturoides*** (Boiss.) Sennen & Mauricio
Lolium rigidum Gaudin subsp. ***rigidum***
Lolium siculum Parl.
Lygeum spartum L.
- E *Megathyrsus bivonanus* (Brullo, Miniss., Scelsi & Spamp.) Verloove
Melica amethystina Pourr.
- E *Melica ciliata* L. subsp. ***ciliata***
Melica ciliata L. subsp. ***magnolii*** (Godr. & Gren.) K.Richt.
- E *Melica cupanii* Guss. subsp. ***cupanii***
Melica minuta L. subsp. ***latifolia*** (Coss.) W.Hempel
Melica minuta L. subsp. ***minuta***
Melica nutans L.
Melica picta K.Koch
Melica transilvanica Schur subsp. ***klokovii*** Tzvelev
Melica transilvanica Schur subsp. ***transilvanica*** – Note: According to Hempel (2011), both *M. transilvanica* subsp. *klokovii* and *M. transilvanica* s.str. occur in Italy. The northern populations constantly show character states typical of *M. transilvanica* subsp. *klokovii*, albeit in this area only the autonymic subspecies should occur.
Melica uniflora Retz.
Mibora minima (L.) Desv.
Milium effusum L. subsp. ***alpicola*** Chrtek
Milium effusum L. subsp. ***effusum***
Milium montianum (Parl.) K.Richt.
Milium vernale M.Bieb. subsp. ***scabrum*** (Rich.) K.Richt.
Milium vernale M.Bieb. subsp. ***vernale***
Molineriella minuta (L.) Rouy
Molinia arundinacea Schrank
Molinia caerulea (L.) Moench
Moorochloa eruciformis (Sm.) Veldkamp
Nardus stricta L.
Oloptum miliaceum (L.) Röser & H.R.Hamasha
Oloptum thomasii (Duby) Banfi & Galasso
Opismenus undulatifolius (Ard.) P.Beauv.
Oreochloa disticha (Wulfen) Link subsp. ***disticha***
Oreochloa seslerioides (All.) K.Richt.
Panicum repens L.
Parapholis filiformis (Roth) C.E.Hubb.
Parapholis incurva (L.) C.E.Hubb. subsp. ***incurva***
Parapholis marginata Runemark
Parapholis pycnantha (Hack.) C.E.Hubb.
Parapholis strigosa (Dumort.) C.E.Hubb.
Parvotrisetum myrianthum (Bertol.) Chrtek
Patzkea coerulescens (Desf.) H.Scholz
Patzkea paniculata (L.) G.H.Loos subsp. ***paniculata***
Phalaris aquatica L.
Phalaris arundinacea L. subsp. ***arundinacea***
E *Phalaris arundinacea* L. subsp. ***rotgesii*** (Husn.) Kerguélen
Phalaris brachystachys Link
Phalaris coerulescens Desf.
Phalaris elongata Braun-Blanq.
Phalaris minor Retz.
Phalaris paradoxa L.
Phalaris truncata Guss. ex Bertol.
Phleum alpinum L.
Phleum arenarium L. subsp. ***caesium*** H.Scholz
Phleum echinatum Host
Phleum exaratum Hochst. ex Griseb. subsp. ***exaratum***
Phleum hirsutum Honck. subsp. ***ambiguum*** (Ten.) Cif. & Giacom.
Phleum hirsutum Honck. subsp. ***hirsutum***
Phleum nodosum L.
Phleum paniculatum Huds. subsp. ***paniculatum***
Phleum phleoides (L.) H.Karst.
Phleum pratense L. subsp. ***pratense***
Phleum rhaeticum (Humphries) Rauschert
E *Phleum sardoum* (Hack.) Hack.
Phleum subulatum (Savi) Asch. & Graebn. subsp. ***subulatum***

- Pholiurus pannonicus* (Host) Trin.
Phragmites australis (Cav.) Trin. ex Steud. subsp. *altissimus* (Benth.) Clayton
Phragmites australis (Cav.) Trin. ex Steud. subsp. *australis*
Piptatherum coerulescens (Desf.) P.Beauv.
Poa alpina L. subsp. *alpina*
Poa angustifolia L.
Poa annua L.
E *Poa badensis* Haenke ex Willd.
Poa balbisii Parl.
Poa bivonae Parl. ex Guss.
Poa bulbosa L. subsp. *bulbosa*
Poa bulbosa L. subsp. *pseudoconcinna* (Schur) Asch. & Graebn.
Poa cenisia All.
Poa chaixii Vill.
Poa compressa L.
Poa glauca Vahl subsp. *glauca*
Poa hybrida Gaudin
Poa infirma Kunth
Poa laxa Haenke subsp. *laxa*
Poa minor Gaudin
Poa molinerii Balb.
Poa nemoralis L. subsp. *glauantha* (Gaudin) Banfi
Poa nemoralis L. subsp. *nemoralis*
Poa palustris L. subsp. *palustris*
Poa perconcinna J.R.Edm.
Poa perligularis H.Scholz
Poa pratensis L. subsp. *pratensis*
Poa pumila Host
Poa remota Forselles
Poa supina Schrad.
Poa sylvicola Guss.
Poa timoleontis Heldr. ex Boiss.
Poa trivialis L.
Polypogon maritimus Willd. subsp. *maritimus*
Polypogon monspeliensis (L.) Desf.
Polypogon subspatheus Req.
Polypogon viridis (Gouan) Breistr.
Psilathera ovata (Hoppe) Deyl
Puccinellia distans (Jacq.) Parl. subsp. *distans*
Puccinellia fasciculata (Torr.) E.P.Bicknell subsp. *fasciculata*
Puccinellia festuciformis (Host) Parl. subsp. *festuciformis*
ET *Puccinellia festuciformis* (Host) Parl. subsp. *lagascana* M.A.Juliá & J.M.Monts.
Puccinellia gussonei Parl. – Note: Possibly extinct (Rossi et al. 2013).
Rostraria cristata (L.) Tzvelev
Rostraria hispida (Savi) Doğan – Note: Most of the records from Italy need confirmation because of confusion with *R. cristata*.
Rostraria pubescens (Lam.) Trin.
Sclerochloa dura (L.) P.Beauv.
E *Secale strictum* (C.Presl) C.Presl subsp. *strictum*
T *Sesleria apennina* Ujhelyi
Sesleria argentea (Savi) Savi
Sesleria autumnalis (Scop.) F.W.Schultz
Sesleria caerulea (L.) Ard. subsp. *angustifolia* (Hack. & Beck) Jogan
E *Sesleria caerulea* (L.) Ard. subsp. *caerulea*
E *Sesleria calabrica* (Deyl) Di Pietro
ET *Sesleria insularis* Sommier subsp. *barbaricina* Arrigoni
E *Sesleria insularis* Sommier subsp. *insularis*
ET *Sesleria insularis* Sommier subsp. *morisiana* Arrigoni
E *Sesleria italica* (Pamp.) Ujhelyi – Note: According to Ubaldi (2016), *S. italica* subsp. *mariculensis* Ubaldi would differ from the typical *Sesleria italica* for a number of quantitative character states, mainly concerning panicle length and leaf width. Considering the high morphological variability in the whole genus *Sesleria*, the continuous variation and the absence of any ecological or geographical discontinuity between the two putative subspecies, it is very difficult to justify their recognition. The study of the type specimens designated by Ujhelyi (1959), kept in BP and FI, and of living and dried specimens collected in Galeata (*locus classicus* of *S. italica*) confirmed that the features putatively diagnostic of *S. italica* subsp. *mariculensis* are also shown by *S. italica* s.str.
Sesleria juncifolia Wulfen ex Suffren subsp. *juncifolia*
E *Sesleria kalnikensis* Jáv.
ET *Sesleria nitida* Ten. subsp. *nitida*
E *Sesleria nitida* Ten. subsp. *sicula* Brullo & Giusso
E *Sesleria pichiana* Foggia, Gr.Rossi & Pignotti
ET *Sesleria pulchella* (Chiosi) Ubaldi – Note: The taxonomic value of this taxon is doubtful. Apparently, *S. pulchella* is mainly related to *S. italica* (Pamp.) Ujhelyi, and, at a first glance, it seems simply marked by extremely reduced dimensions. Waiting for further karyological, molecular and biometric studies, we provisionally accept *S. pulchella* as a good species.
ET *Sesleria tuzsonii* Ujhelyi
Sesleria uliginosa Opiz
Sesleriella leucocephala (DC.) Deyl
Sesleriella sphaerocephala (Ard.) Deyl
C *Setaria italica* (L.) P.Beauv. subsp. *viridis* (L.) Thell.
Setaria pumila (Poir.) Roem. & Schult.
Setaria verticillata (L.) P.Beauv.
Sphenopus divaricatus (Gouan) Rchb. subsp. *divaricatus*

- Sporobolus aculeatus* (L.) P.M.Peterson
Sporobolus alopecuroides (Piller & Mitterp.) P.M.Peterson
Sporobolus maritimus (Curtis) P.M.Peterson & Saarela
Sporobolus schoenoides (L.) P.M.Peterson
Sporobolus virginicus (L.) Kunth
ET *Stipa aquilana* Moraldo
ET *Stipa austroitalica* Martinovský subsp. **appendiculata** (Čelak.) Moraldo
ET *Stipa austroitalica* Martinovský subsp. **austroitalica**
ET *Stipa austroitalica* Martinovský subsp. **frentana** Moraldo & Ricceri
ET *Stipa austroitalica* Martinovský subsp. **theresia** Martinovský & Moraldo
Stipa barbata Desf. subsp. **barbata**
Stipa capillata L.
ET *Stipa dasyvaginata* Martinovský subsp. **apenninica** Martinovský & Moraldo
T *Stipa epilosa* Martinovský
T *Stipa eriocalis* Borbás subsp. **eriocalis**
ET *Stipa etrusca* Moraldo
ET *Stipa feltrina* Moraldo, Lasen & Argenti
Stipa juncea L.
T *Stipa letourneuxii* Trabut subsp. **letourneuxii**
ET *Stipa oligotricha* Moraldo subsp. **kiemii** (Martinovský) Moraldo
ET *Stipa oligotricha* Moraldo subsp. **oligotricha**
Stipa pennata L. subsp. **pennata**
Stipa pulcherrima K.Koch subsp. **crassiculmis** (P.A.Smirn.) Tzvelev
Stipa pulcherrima K.Koch subsp. **pulcherrima**
ET *Stipa sicula* Moraldo, La Valva, Ricciardi & Caputo
Stipa tirsia Steven subsp. **tirsia**
ET *Stipa valdemonensis* Cataldo, S.A.Giardina, Moraldo & Raimondo
ET *Stipa veneta* Moraldo
Stipellula capensis (Thunb.) Röser & H.R.Hamasha
Taeniatherum asperum (Simonk.) Nevski
Taeniatherum caput-medusae (L.) Nevski
Tragus racemosus (L.) All.
Tricholaena teneriffae (L.f.) Link
Tripidium ravennae (L.) H.Scholz subsp. **ravennae**
Tripidium strictum (Host) H.Scholz
Triplachne nitens (Guss.) Link
Trisetaria alpestris (Host) Baumg.
Trisetaria argentea (Willd.) Banfi, Galasso & Soldano
Trisetaria aurea (Ten.) Pignatti
E *Trisetaria burnoufii* (Req. ex Parl.) Banfi & Soldano
Trisetaria distichophylla (Vill.) Paunero
Trisetaria flavescens (L.) Baumg. subsp. **flavescens**
Trisetaria flavescens (L.) Baumg. subsp. **purpurascens** (DC.) Banfi & Soldano
Trisetaria flavescens (L.) Baumg. subsp. **splendens** (C.Presl) Banfi & Soldano
E *Trisetaria gracilis* (Moris) Banfi & Arrigoni
Trisetaria loeflingiana (L.) Paunero subsp. **loeflingiana**
Trisetaria panicea (Lam.) Paunero
Trisetaria segetum (Savi) Soldano
Trisetaria spicata (L.) Paunero subsp. **ovatipaniculata** (Hultén ex Jonsell) Banfi & Soldano
E *Trisetaria villosa* (Bertol.) Banfi & Soldano
C *Triticum biunciale* (Vis.) K.Rich.
Triticum neglectum (Req. ex Bertol.) Greuter
C *Triticum triunciale* (L.) Raspail subsp. **triunciale**
C *Triticum uniaristatum* (Vis.) K.Richt.
Triticum vagans (Jord. & Fourr.) Greuter
C *Triticum ventricosum* (Tausch) Ces., Pass. & Gibelli
Ventenata dubia (Leers) Coss.
Vulpiella tenuis (Tineo) Kerguélen

Ceratophyllaceae

Ceratophyllum demersum L.*Ceratophyllum submersum* L. subsp. **submersum**

Berberidaceae

Taxonomic references: *Berberis* L. (Harber and Raab-Straube 2015).E *Berberis aetnensis* C.Presl*Berberis vulgaris* L.*Epimedium alpinum* L.CT *Gymnospermium scipetarum* Papparisto & Qosja ex E.Mayer & Pulevici

Ranunculaceae

Taxonomic references: *Aquilegia* L. (Nardi 2015); *Ranunculus* sect. *Batrachium* DC. (Desfayes 2011; Wiegleb et al. 2017); *Ranunculus auricomus* L. group (Dunkel 2010, 2011; Dunkel and Poldini 2016; Conti and Bartolucci 2017); *Thalictrum* L. (Hand 2001).*Aconitum angustifolium* Rchb.*Aconitum anthora* L.*Aconitum burnatii* Gayer subsp. **burnatii**

- Aconitum degenii* Gáyér subsp. ***paniculatum*** (Arcang.) Mucher
Aconitum degenii Gáyér subsp. ***valesiacum*** (Gáyér) Mucher
Aconitum lycoctonum L. emend. Koelle
Aconitum napellus L. emend. Skalický
Aconitum tauricum Wulfen
Aconitum variegatum L. subsp. ***nasutum*** (Fisch. ex Rchb.) Götz
Aconitum variegatum L. subsp. ***variegatum***
Aconitum vitosanum Gáyér
Actaea spicata L.
Adonis aestivalis L. subsp. ***aestivalis***
Adonis aestivalis L. subsp. ***squarrosa*** (Steven) Nyman
Adonis annua L.
E *Adonis distorta* Ten.
Adonis flammea Jacq. subsp. ***cortiana*** (Jacq.) C.H.Steinb.
Adonis flammea Jacq. subsp. ***flammea***
Adonis microcarpa DC. subsp. ***microcarpa***
Adonis vernalis L.
Anemonastrum narcissiflorum (L.) Holub subsp. ***narcissiflorum***
Anemone apennina L.
Anemone coronaria L.
Anemone hortensis L. subsp. ***hortensis***
Anemone palmata L.
Anemonoides baldensis (L.) Galasso, Banfi & Soldano
Anemonoides nemorosa (L.) Holub
Anemonoides ranunculoides (L.) Holub
ET *Anemonoides trifolia* (L.) Holub subsp. ***brevidentata*** (Ubaldi & Puppi) Galasso, Banfi & Soldano
Anemonoides trifolia (L.) Holub subsp. ***trifolia***
Aquilegia alpina L.
E *Aquilegia apuana* (Marchetti) E.Nardi
Aquilegia atrata W.D.J.Koch
E *Aquilegia barbaricina* Arrigoni & E.Nardi
E *Aquilegia bertolonii* Schott
E *Aquilegia champagnatii* Moraldo, E.Nardi & la Valva
Aquilegia confusa Rota
ET *Aquilegia cremnophila* Bacch., Brullo, Congiu, Fenu, J.L.Garrido & Mattana – Note: Although Nardi (2015) considered this plant as a synonym of *Aquilegia nuragica*, *A. cremnophila* is morphologically, ecologically and genetically well differentiated from the other Sardinian congeneric taxa (Bacchetta et al. 2012; Garrido et al. 2012; Mattana et al. 2012).
Aquilegia dumeticola Jord.
Aquilegia einseleana F.W.Schultz
E *Aquilegia lucensis* E.Nardi
E *Aquilegia magellensis* F.Conti & Soldano
E *Aquilegia marcelliana* E.Nardi
E *Aquilegia nugorensis* Arrigoni & E.Nardi
E *Aquilegia nuragica* Arrigoni & E.Nardi
E *Aquilegia ophiolithica* Barberis & E.Nardi
Aquilegia reuteri Boiss.
E *Aquilegia sicula* (Strobl) E.Nardi
Aquilegia vulgaris L.
E *Callianthemum coriandrifolium* Rchb.
Callianthemum kernerianum Freyn ex A.Kern.
Caltha palustris L.
Ceratocephala falcata (L.) Cramer
Clematis alpina (L.) Mill.
Clematis cirrhosa L.
Clematis flammula L.
Clematis integrifolia L. – Note: Extinct in Italy (Poldini 2009).
Clematis recta L.
E *Clematis rigoi* W.T.Wang
Clematis vitalba L.
Clematis viticella L.
Delphinium ajacis L.
Delphinium consolida L. subsp. ***consolida***
Delphinium consolida L. subsp. ***paniculatum*** (Host) N.Busch
Delphinium dubium (Rouy & Foucaud) Pawl.
Delphinium elatum L. subsp. ***helveticum*** Pawl.
Delphinium emarginatum C.Presl subsp. ***emarginatum***
Delphinium fissum Waldst. & Kit. subsp. ***fissum***
C *Delphinium gracile* DC.
Delphinium halteratum Sm. subsp. ***halteratum***
E *Delphinium longipes* Moris
Delphinium peregrinum L.
Delphinium pubescens DC.
Eranthis hyemalis (L.) Salisb.
Ficaria verna Huds. subsp. ***calthifolia*** (Rchb.) Nyman
Ficaria verna Huds. subsp. ***fertilis*** (Lawalrée ex Laegaard) Stace
Ficaria verna Huds. subsp. ***ficariiformis*** (F.W.Schultz) B.Walln.
Ficaria verna Huds. subsp. ***verna***
Helleborus dumetorum Waldst. & Kit. ex Willd. subsp. ***illyricus*** Starmühler

- Helleborus foetidus* L. subsp. **foetidus**
E *Helleborus lividus* Aiton subsp. **corsicus** (Briq.) P.Fourn.
Helleborus niger L. subsp. **macranthus** (Frey) Schifffn.
Helleborus niger L. subsp. **niger**
T *Helleborus odoratus* Waldst. & Kit. subsp. **laxus** (Host) Merxm. & Podlech
ET *Helleborus viridis* L. subsp. **bocconeii** (Ten.) Peruzzi
ET *Helleborus viridis* L. subsp. **abruzzicus** (M.Thomsen, McLewin & B.Mathew) Bartolucci, F.Conti & Peruzzi
T *Helleborus viridis* L. subsp. **istriacus** (Schifffn.) Cristof. & Zanotti
ET *Helleborus viridis* L. subsp. **liguricus** (M.Thomsen, McLewin & B.Mathew) Bartolucci, F.Conti & Peruzzi
Helleborus viridis L. subsp. **viridis**
Hepatica nobilis Mill.
Isopyrum thalictroides L.
Myosurus minimus L.
Nigella arvensis L. subsp. **arvensis**
E *Nigella arvensis* L. subsp. **glaucescens** (Guss.) Greuter & Burdet
Nigella damascena L.
Nigella papillosa G.López subsp. **atlantica** (Murb.) Amich ex G.López
Pulsatilla alpina (L.) Delarbre subsp. **alpina**
T *Pulsatilla alpina* (L.) Delarbre subsp. **apiifolia** (Scop.) Nyman
T *Pulsatilla alpina* (L.) Delarbre subsp. **austriaca** Aichele & Schwegler
T *Pulsatilla alpina* (L.) Delarbre subsp. **austroalpina** D.M.Moser
T *Pulsatilla alpina* (L.) Delarbre subsp. **cottiana** (Beauverd) D.M.Moser
T *Pulsatilla alpina* (L.) Delarbre subsp. **millefoliata** (Bertol.) D.M.Moser
Pulsatilla halleri (All.) Willd. subsp. **halleri**
Pulsatilla montana (Hoppe) Rchb. subsp. **montana**
Pulsatilla vernalis (L.) Mill.
E *Ranunculus abbaianus* Dunkel
Ranunculus aconitifolius L.
Ranunculus acris L. subsp. **acris**
Ranunculus acris L. subsp. **friesianus** (Jord.) Syme
Ranunculus aduncus Gren. & Godr.
Ranunculus allemanni Braun-Blanq.
Ranunculus alpestris L.
ET *Ranunculus angulatus* C.Presl
E *Ranunculus apenninus* (Chiov.) Pignatti
Ranunculus arvensis L.
E *Ranunculus baldensis* Dunkel
E *Ranunculus bariscianus* Dunkel
Ranunculus batrachioides Pomel
Ranunculus baudotii Godr.
E *Ranunculus bilobus* Bertol.
Ranunculus boreoapenninus Pignatti
E *Ranunculus bovioi* Dunkel
E *Ranunculus braun-blanquetii* Pignatti
Ranunculus brevifolius Ten.
Ranunculus breyninus Crantz
Ranunculus brutius Ten.
Ranunculus bulbosus L.
Ranunculus bullatus L.
Ranunculus carinthiacus Hoppe
Ranunculus cassubicifolius W.Koch
Ranunculus chius DC.
Ranunculus circinatus Sibth.
E *Ranunculus cochlearifer* Dunkel
E *Ranunculus cordiger* Viv. subsp. **cordiger**
E *Ranunculus cordiger* Viv. subsp. **diffusus** (Moris) Arrigoni
E *Ranunculus cymbalariifolius* Balb. ex Moris
E *Ranunculus farraensis* Dunkel & Poldini
E *Ranunculus fiorii* Pignatti – Note: Possibly extinct (Dunkel 2010).
Ranunculus flammula L.
Ranunculus fluitans Lam.
Ranunculus fontanus C.Presl
E *Ranunculus fraelensis* Dunkel – Note: Possibly extinct (Dunkel 2010).
Ranunculus garganicus Ten.
E *Ranunculus giordanoi* F.Conti & Bartolucci – Note: For the taxonomy and distribution of this species, see Conti and Bartolucci (2017); Conti et al. (2018a).
Ranunculus glacialis L.
E *Ranunculus gortanii* Pignatti
Ranunculus gracilis E.D.Clark
Ranunculus gramineus L.
E *Ranunculus hostiliensis* Pignatti – Note: Extinct (Dunkel 2010).
Ranunculus hybridus Bria
Ranunculus illyricus L.
Ranunculus isthmicus Boiss.
Ranunculus kuepferi Greuter & Burdet subsp. **kuepferi**
Ranunculus kuepferi Greuter & Burdet subsp. **orientalis** W.Huber
Ranunculus lanuginosus L.
Ranunculus lateriflorus DC.

- Ranunculus lingua* L.
 E *Ranunculus luminarius* Rigo ex Pignatti
Ranunculus macrophyllus Desf.
 E *Ranunculus magellensis* Ten.
Ranunculus marginatus d'Urv.
 E *Ranunculus marsicus* Guss. & Ten.
 E *Ranunculus mediogracilis* Dunkel
Ranunculus melzeri Hörandl & Guterm.
Ranunculus millefoliatus Vahl
 E *Ranunculus monspeliacus* L. subsp. *aspromontanus* (Huter) Peruzzi & N.G.Passal.
Ranunculus monspeliacus L. subsp. *monspeliacus*
Ranunculus monspeliacus L. subsp. *saxatilis* (Balb.) Nyman – Note: Possibly extinct in Italy.
Ranunculus montanus Willd.
 E *Ranunculus multident* Dunkel
Ranunculus muricatus L.
 E *Ranunculus mutinensis* Pignatti – Note: Extinct (Dunkel 2010).
Ranunculus neapolitanus Ten.
Ranunculus omiophyllus Ten.
Ranunculus ophioglossifolius Vill.
 E *Ranunculus palaeoeganeus* Pignatti
Ranunculus paludosus Poir.
Ranunculus parnassifolius L. subsp. *heterocarpus* P.Küpfel
Ranunculus parviflorus L.
 E *Ranunculus pedemontanus* Dunkel
 E *Ranunculus pedrotii* Spinosi ex Dunkel
Ranunculus peltatus Schrank
Ranunculus penicillatus (Dumort.) Bab.
Ranunculus platanifolius L.
 E *Ranunculus plavensis* Dunkel
 E *Ranunculus poldinii* Dunkel
 E *Ranunculus pollinensis* (N.Terracc.) Chiov.
Ranunculus polyanthemoides Boreau
Ranunculus polyanthemophyllus W.Koch & H.E.Hess
 E *Ranunculus pratensis* C.Presl
 E *Ranunculus proserii* Dunkel
Ranunculus pseudofluitans (Syme) Newbould ex Beker & Foggitt
Ranunculus pygmaeus Wahlenb.
Ranunculus repens L.
Ranunculus reptans L.
Ranunculus revelierei Boreau
Ranunculus rionii Lagger
Ranunculus saniculifolius Viv.
Ranunculus sardous Crantz
Ranunculus sceleratus L.
Ranunculus seguieri Vill. subsp. *seguieri*
Ranunculus serbicus Vis.
Ranunculus serpens Schrank
 E *Ranunculus silanus* Pignatti
 E *Ranunculus spicatus* Desf. subsp. *rupestris* (Guss.) Maire
 E *Ranunculus thomasii* Ten.
Ranunculus thora L.
Ranunculus traunfellneri Hoppe
Ranunculus trichophyllus Chaix – Note: *Ranunculus eradicatus* (Laest.) Johans. [= *R. confervoides* (Fr.) Fr.] has to be excluded from Italy (Wiegleb et al. 2017), and probably its records from Alps belong to forms of the polymorphic *R. trichophyllus*. The name *Batrachium eradicatum* (Laest.) Fr., establishing the priority of the specific epithet at the species rank, is a combination validly published according to the Arts. 30.18 and 41.3 of the ICN (McNeill et al. 2012).
Ranunculus trilobus Desf.
Ranunculus tuberosus Lapeyr.
Ranunculus variabilis Hörandl & Guterm.
Ranunculus velutinus Ten.
 E *Ranunculus venetus* Huter ex Landolt
Ranunculus villarsii DC.
Staphisagria macrosperma Spach
Staphisagria requienii (Dc.) Spach subsp. *picta* (Willd.) Peruzzi
Staphisagria requienii (Dc.) Spach subsp. *requienii*
Thalictrum alpinum L.
Thalictrum aquilegifolium L. subsp. *aquilegifolium*
 E *Thalictrum calabricum* Spreng.
Thalictrum flavum L.
Thalictrum foetidum L. subsp. *foetidum*
Thalictrum lucidum L.
Thalictrum minus L. subsp. *minus*
Thalictrum minus L. subsp. *pratense* (F.W.Schultz) Hand
Thalictrum minus L. subsp. *saxatile* Ces.
 T *Thalictrum simplex* L. subsp. *galioides* (Dc.) Korsh.
Thalictrum simplex L. subsp. *simplex*
Thalictrum simplex L. subsp. *tenuifolium* (Sw. ex Hartm.) Sterner
Trollius europaeus L.

Papaveraceae

- Chelidonium majus*** L.
Corydalis capnoides (L.) Pers.
Corydalis cava (L.) Schweigg. & Körte subsp. ***cava***
E ***Corydalis densiflora*** C.Presl
Corydalis intermedia (L.) Mérat
Corydalis pumila (Host) Rchb.
Corydalis solida (L.) Clairv. subsp. ***solida***
Fumaria agraria Lag.
Fumaria barnolae Sennen & Pau subsp. ***barnolae***
Fumaria bastardii Boreau
Fumaria bicolor Nicotra
Fumaria capreolata L. subsp. ***capreolata***
Fumaria densiflora DC.
Fumaria flabellata Gasp.
Fumaria gaillardotii Boiss.
Fumaria judaica Boiss. subsp. ***judaica***
Fumaria muralis W.D.J.Koch subsp. ***muralis***
Fumaria nemorosa Lojac.
Fumaria officinalis L. subsp. ***officinalis***
Fumaria officinalis L. subsp. ***wirtgenii*** (W.D.J.Koch) Arcang.
Fumaria parviflora Lam.
Fumaria petteri Rchb. subsp. ***petteri***
Fumaria schleicheri Soy.-Will.
Fumaria vaillantii Loisel.
Glaucium corniculatum (L.) Rudolph subsp. ***corniculatum***
Glaucium flavum Crantz
Hypocoum imberbe Sm.
Hypocoum procumbens L. subsp. ***procumbens***
Hypocoum torulosum Å.E.Dahl
Papaver alpinum L. subsp. ***alpinum***
Papaver apulum Ten.
C ***Papaver argemone*** L. subsp. ***argemone***
C ***Papaver dubium*** L.
C ***Papaver hybridum*** L.
Papaver pinnatifidum Moris
C ***Papaver rhoeas*** L. subsp. ***rhoeas***
Papaver setigerum DC.
Platycapnos spicatus (L.) Bernh.
Pseudofumaria alba (Mill.) Lidén subsp. ***alba***
Pseudofumaria lutea (L.) Borkh.

Buxaceae

- Buxus balearica*** Lam.
Buxus sempervirens L.

Paeoniaceae

- Paeonia coriacea*** Boiss.
E ***Paeonia corsica*** Sieber ex Tausch
Paeonia mascula (L.) Mill. subsp. ***mascula***
ET ***Paeonia mascula*** (L.) Mill. subsp. ***russoi*** (Biv.) Cullen & Heywood
E ***Paeonia morisii*** Cesca, Bernardo & N.G.Passal.
Paeonia officinalis L. subsp. ***arietina*** (G.Anderson) N.G.Passal.
Paeonia officinalis L. subsp. ***banatica*** (Rochel) Soó
Paeonia officinalis L. subsp. ***huthii*** Soldano
E ***Paeonia officinalis*** L. subsp. ***italica*** N.G.Passal. & Bernardo
Paeonia officinalis L. subsp. ***officinalis***
Paeonia peregrina Mill.
ET ***Paeonia sandrae*** Camarda

Crassulaceae

- Bulliarda vaillantii*** (Willd.) DC
C ***Crassula alata*** (Viv.) A.Berger
Crassula tillaea Lest.-Garl.
Hylotelephium anacampseros (L.) H.Ohba
Hylotelephium maximum (L.) Holub subsp. ***maximum***
Jovibarba allionii (Jord. & Fourr.) D.A.Webb
Jovibarba arenaria (W.D.J.Koch) Opiz
E ***Jovibarba globifera*** (L.) J.Parn. subsp. ***hirta*** (L.) J.Parn.
Jovibarba globifera (L.) J.Parn. subsp. ***lagariniana*** L.Gallo
Petrosedum amplexicaule (DC.) Velayos
Petrosedum montanum (Songeon & E.P.Perrier) Grulich
E ***Petrosedum ochroleucum*** (Chaix) Niederle subsp. ***mediterraneum*** (L.Gallo) Niederle – Note: The populations from SIC deserve further studies.
Petrosedum ochroleucum (Chaix) Niederle subsp. ***ochroleucum***
Petrosedum rupestre (L.) P.V.Heath
Petrosedum sediforme (Jacq.) Grulich
Petrosedum tenuifolium (Sm.) Grulich
Petrosedum thartii (L.P.Hébert) Niederle

- Phedimus stellatus* (L.) Raf.
Rhodiola rosea L.
Sedum acre L.
Sedum aetnense Tineo
Sedum album L. subsp. **album**
Sedum album L. subsp. **micranthum** (Bast. ex DC.) Syme
Sedum alpestre Vill.
E *Sedum alsinifolium* All.
Sedum andegavense (DC.) Desv.
Sedum annuum L.
E *Sedum aquilanum* L. Gallo & F. Conti – Note: For the taxonomy and distribution of this species, see Gallo and Conti (2015).
Sedum atratum L.
Sedum brevifolium DC.
Sedum caeruleum L.
Sedum caespitosum (Cav.) DC.
Sedum cepaea L.
Sedum dasyphyllum L. subsp. **dasyphyllum**
Sedum dasyphyllum L. subsp. **glanduliferum** (Guss.) Nyman
Sedum fragrans 't Hart
Sedum glandulosum Moris – Note: The taxonomic identity of the population from TOS is doubtful and needs further studies.
Sedum gypsicola Boiss. & Reut.
Sedum hirsutum All. subsp. **hirsutum**
Sedum hispanicum L.
Sedum litoreum Guss.
E *Sedum magellense* Ten. subsp. **magellense**
Sedum magellense Ten. subsp. **olympicum** (Boiss.) Grande
Sedum monregalense Balb.
Sedum rubens L.
Sedum sexangulare L.
Sedum villosum L.
Sempervivum alpinum Griseb. & Schenk – Note: *Sempervivum soculense* D. Donati & G. Dumont is here provisionally included.
Sempervivum arachnoideum L.
C *Sempervivum calcareum* Jord.
E *Sempervivum dolomiticum* Facchini
Sempervivum glaucum Ten.
Sempervivum grandiflorum Haw.
Sempervivum montanum L. subsp. **burnatii** Wettst. ex Hayek
Sempervivum montanum L. subsp. **montanum**
E *Sempervivum riccii* Iberite & Anzal.
Sempervivum tectorum L. – Note: *Sempervivum tectorum* is native to Italy but cultivated since 2000 years or more, especially in Northern Italy. In the North-Central Apennines it likely cohabits with *S. alpinum* Griseb. & Schenk.
Sempervivum wulfenii Hoppe ex Mert. & W.D.J. Koch subsp. **wulfenii**
C *Umbilicus chloranthus* Heldr. & Sartori ex Boiss.
Umbilicus horizontalis (Guss.) DC. – Note: Some populations from SIC deserve further studies because of variability in flower morphology.
Umbilicus rupestris (Salisb.) Dandy
- Haloragaceae
Myriophyllum alterniflorum DC.
Myriophyllum spicatum L.
Myriophyllum verticillatum L.
- Grossulariaceae
Ribes alpinum L.
Ribes multiflorum Kit. ex Roem. & Schult. subsp. **multiflorum**
E *Ribes multiflorum* Kit. ex Roem. & Schult. subsp. **sandalioticum** Arrigoni
Ribes petraeum Wulfen
Ribes rubrum L. – Note: The native *R. rubrum* s.str. and the alien *R. spicatum* E. Robson are both included here.
E *Ribes sardoum* Martelli
Ribes uva-crispa L. subsp. **austro-europeum** Bornm.
Ribes uva-crispa L. subsp. **uva-crispa**
- Saxifragaceae
Chrysosplenium alternifolium L.
Chrysosplenium dubium Gay ex Ser.
Micranthes engleri (Dalla Torre) Galasso, Banfi & Soldano
Saxifraga adscendens L. subsp. **adscendens**
Saxifraga adscendens L. subsp. **parnassica** (Boiss. & Heldr.) Hayek
Saxifraga aizoides L.
Saxifraga androsacea L.
Saxifraga aphylla Sternb.
E *Saxifraga arachnoidea* Sternb.
Saxifraga aspera L.
E *Saxifraga berica* (Bég.) D.A. Webb
Saxifraga biflora All. subsp. **biflora**
Saxifraga bryoides L.
Saxifraga bulbifera L.
Saxifraga burseriana L.
Saxifraga caesia L.

- Saxifraga callosa* Sm. subsp. **callosa** – Note: *Saxifraga australis* Moric. is poorly differentiated from *S. callosa* s.str.
- E *Saxifraga caprariae* Mannocci, Ferretti, Mazzoncini & Viciani
- Saxifraga carpetana* Boiss. & Reut. subsp. **graeca** (Boiss. & Heldr.) D.A.Webb
- Saxifraga cernua* L.
- Saxifraga cochlearis* Rchb.
- E *Saxifraga corsica* (Ser. ex Duby) Gren. & Godr. subsp. **corsica**
- Saxifraga cotyledon* L.
- Saxifraga crustata* Vest
- Saxifraga cuneifolia* L. subsp. **cuneifolia**
- T *Saxifraga cuneifolia* L. subsp. **robusta** D.A.Webb
- E *Saxifraga depressa* Sternb.
- Saxifraga diapensioides* Bellardi
- E *Saxifraga exarata* Vill. subsp. **ampullacea** (Ten.) D.A.Webb
- Saxifraga exarata* Vill. subsp. **carniolica** (Huter) T.Wraber
- Saxifraga exarata* Vill. subsp. **exarata**
- Saxifraga exarata* Vill. subsp. **moschata** (Wulfen) Cavill.
- Saxifraga exarata* Vill. subsp. **pseudoexarata** (Braun-Blanq.) D.A.Webb
- E *Saxifraga facchinii* W.D.J.Koch
- Saxifraga florulenta* Moretti
- Saxifraga glabella* Bertol.
- Saxifraga granulata* L. subsp. **granulata**
- Saxifraga hederacea* L.
- Saxifraga hirculus* L.
- Saxifraga hostii* Tausch subsp. **hostii**
- E *Saxifraga hostii* Tausch subsp. **rhaetica** (A.Kern. ex Engl.) Braun-Blanq.
- E *Saxifraga italica* D.A.Webb
- Saxifraga marginata* Sternb.
- E *Saxifraga montis-christi* Mannocci, Ferretti, Mazzoncini & Viciani
- Saxifraga muscoides* All.
- Saxifraga mutata* L. subsp. **mutata**
- T *Saxifraga oppositifolia* L. subsp. **glandulifera** Vacc.
- Saxifraga oppositifolia* L. subsp. **oppositifolia**
- T *Saxifraga oppositifolia* L. subsp. **rudolphiana** (Hornsch. ex W.D.J.Koch) Nyman
- ET *Saxifraga oppositifolia* L. subsp. **speciosa** (Dörf. & Hayek) Engl. & Irmsch.
- Saxifraga paniculata* Mill.
- E *Saxifraga pedemontana* All. subsp. **cervicornis** (Viv.) Engl.
- Saxifraga pedemontana* All. subsp. **pedemontana**
- Saxifraga petraea* L.
- E *Saxifraga porophylla* Bertol. subsp. **porophylla**
- E *Saxifraga presolanensis* Engl.
- Saxifraga retusa* Gouan subsp. **augustana** (Vacc.) D.A.Webb
- Saxifraga retusa* Gouan subsp. **retusa**
- Saxifraga rotundifolia* L. subsp. **rotundifolia**
- Saxifraga sedoides* L. subsp. **sedoides**
- E *Saxifraga sedoides* L. subsp. **tomentosa** (Zenari) Poldini
- Saxifraga seguieri* Spreng.
- Saxifraga squarrosa* Sieber
- Saxifraga taygetea* Boiss. & Heldr.
- Saxifraga tenella* Wulfen
- E *Saxifraga tombeanensis* Boiss. ex Engl.
- Saxifraga tridactylites* L.
- Saxifraga valdensis* DC.
- E *Saxifraga vandellii* Sternb.

Cynomoriaceae

Cynomorium coccineum L. subsp. **coccineum**

Vitaceae

Vitis vinifera L.

Zygophyllaceae

Fagonia cretica L.*Tribulus terrestris* L.

Fabaceae

Colutea L. (Browicz 1963); *Cytisus* Desf. sect. *Calicotome* (Link) DC. (Cristofolini and Troia 2006); *Lathyrus* L., *Ervilia* Link, *Ervum* L., *Lathyrus* L., and *Vicia* L. (Schaefer et al. 2012); *Trifolium* sect. *Vesicastrum* subsect. *Mystillus* (C.Presl) Coulot & Rebaute (Scoppola and Lattanzi 2016; Scoppola et al. 2016); *Trigonella* L. (Bena 2001).

- E *Adenocarpus complicatus* (L.) J.Gay subsp. **bivonae** (C.Presl) Peruzzi
- E *Adenocarpus complicatus* (L.) J.Gay subsp. **brutius** (Brullo, De Marco & Siracusa) Peruzzi & Bernardo
- E *Adenocarpus complicatus* (L.) J.Gay subsp. **commutatus** (Guss.) Cout.
- E *Adenocarpus complicatus* (L.) J.Gay subsp. **samniticus** (Brullo, De Marco & Siracusa) Peruzzi
- E *Adenocarpus complicatus* (L.) J.Gay subsp. **tenoreanus** (Brullo, Gangale & Uzunov) Peruzzi & Bernardo
- Anagyris foetida* L.
- Anthyllis barba-jovis* L.
- E *Anthyllis hermanniae* L. subsp. **brutia** Brullo & Giusso
- ET *Anthyllis hermanniae* L. subsp. **corsica** Brullo & Giusso – Note: Possibly extinct in Italy.

- E *Anthyllis hermanniae* L. subsp. ***ichnusae*** Brullo & Giusso
E *Anthyllis hermanniae* L. subsp. ***japygica*** Brullo & Giusso
E *Anthyllis hermanniae* L. subsp. ***sicula*** Brullo & Giusso – Note: Possibly extinct.
Anthyllis montana L. subsp. ***jacquinii*** (A.Kern.) Hayek
Anthyllis montana L. subsp. ***montana***
T *Anthyllis vulneraria* L. subsp. ***alpicola*** (Brügger) Gutermann
T *Anthyllis vulneraria* L. subsp. ***baldensis*** (A.Kern. ex Sagorski) Pignatti ex Kerguelen
ET *Anthyllis vulneraria* L. subsp. ***busambarensis*** (Lojac.) Pignatti
T *Anthyllis vulneraria* L. subsp. ***carpatica*** (Pant.) Nyman
T *Anthyllis vulneraria* L. subsp. ***maura*** (Beck) Maire
ET *Anthyllis vulneraria* L. subsp. ***nana*** (Ten.) Tammaro
T *Anthyllis vulneraria* L. subsp. ***pulchella*** (Vis.) Bornm.
T *Anthyllis vulneraria* L. subsp. ***polyphylla*** (DC.) Nyman
T *Anthyllis vulneraria* L. subsp. ***rubriflora*** (DC.) Arcang.
T *Anthyllis vulneraria* L. subsp. ***sampaioana*** (Rothm.) Vasc.
T *Anthyllis vulneraria* L. subsp. ***valesiaca*** (Beck) Guyot
T *Anthyllis vulneraria* L. subsp. ***versicolor*** (Dalla Torre & Sarnth.) Gutermann
T *Anthyllis vulneraria* L. subsp. ***vulnerarioides*** (All.) Arcang. – Note: For the nomenclature and distribution of this subspecies, see Conti et al. (2016).
T *Anthyllis vulneraria* L. subsp. ***weldeniana*** (Rchb.) Cullen
Argyrolobium zanonii (Turra) P.W.Ball subsp. ***zanonii***
Astragalus alopecurus Pall.
Astragalus alpinus L.
E *Astragalus aquilanus* Anzal.
Astragalus australis (L.) Lam.
Astragalus austriacus Jacq.
Astragalus boeticus L.
E *Astragalus caprinus* L. subsp. ***huetii*** (Bunge) Podlech
Astragalus cicer L.
Astragalus danicus Retz.
Astragalus depressus L. subsp. ***depressus***
Astragalus echinatus Murray
Astragalus epiglottis L. subsp. ***epiglottis***
Astragalus exscapus L. subsp. ***exscapus***
Astragalus frigidus (L.) A.Gray
E *Astragalus genargenteus* Moris
E *Astragalus gennarii* Bacch. & Brullo
Astragalus glycyphyllos L.
Astragalus hamosus L.
Astragalus hypoglottis L. subsp. ***gremlii*** (Burnat) Greuter & Burdet
Astragalus hypoglottis L. subsp. ***hypoglottis***
E *Astragalus kamarinensis* C.Brullo, Brullo, Giusso, Miniss. & Sciandr.
Astragalus leontinus Wulfen
E *Astragalus maritimus* Moris
Astragalus monspessulanus L. subsp. ***monspessulanus***
Astragalus monspessulanus L. subsp. ***wulfenii*** (W.D.J.Koch) Arcang.
E *Astragalus muelleri* Steud. & Hochst. subsp. ***etruscus*** Peruzzi, Gestri & Pierini – Note: For the taxonomy and distribution of this subspecies, see Peruzzi et al. (2014c).
E *Astragalus nebrodensis* (Guss.) Strobl
Astragalus onobrychis L.
E *Astragalus parnassi* Boiss. subsp. ***calabricus*** (Fisch.) Maassoumi
Astragalus pastellianus Pollini
Astragalus pelecinus (L.) Barneby subsp. ***pelecinus***
Astragalus penduliflorus Lam.
Astragalus peregrinus Vahl subsp. ***warionis*** (Gand.) Maire
E *Astragalus raphaelis* Ferro
Astragalus scorpioides Willd.
Astragalus sempervirens Lam.
Astragalus sesameus L.
E *Astragalus siculus* Biv.
E *Astragalus sirinicus* Ten.
E *Astragalus tegulensis* Bacch. & Brullo
E *Astragalus terraccianoii* Vals.
E *Astragalus thermensis* Vals.
E *Astragalus verrucosus* Moris
Astragalus vesicarius L. subsp. ***carniolicus*** (A.Kern.) Chater
Astragalus vesicarius L. subsp. ***vesicarius***
ET *Bituminaria basaltica* Miniss., C.Brullo, Brullo, Giusso & Sciandr.
Bituminaria bituminosa (L.) C.H.Stirt.
E *Bituminaria morisiana* (Pignatti & Metlesics) Greuter
Cercis siliquastrum L. subsp. ***siliquastrum***
Colutea arborescens L.
T *Colutea breviaolata* Lange
Coronilla coronata L.
Coronilla juncea L.
Coronilla minima L. subsp. ***minima***
Coronilla repanda (Poir.) Guss. subsp. ***repanda***
Coronilla scorpioides (L.) W.D.J.Koch
Coronilla vaginalis Lam.

- Coronilla valentina* L.
Cytisophyllum sessilifolium (L.) O.Lang
E *Cytisus aeolicus* Guss.
Cytisus decumbens (Durande) Spach
Cytisus emeriflorus Rchb.
Cytisus hirsutus L.
Cytisus infestus (C.Presl) Guss. subsp. **infestus**
Cytisus infestus (C.Presl) Guss. subsp. **intermedius** (Salzm. ex C.Presl) Cristof. & Troia
Cytisus laniger DC.
Cytisus nigricans L. subsp. **atratus** (Schur) Nyman
E *Cytisus nigricans* L. subsp. **nigricans**
E *Cytisus proteus* Zumagl.
Cytisus pseudoprocumbens Markgr.
Cytisus purpureus Scop.
Cytisus scoparius (L.) Link subsp. **scoparius**
Cytisus spinescens C.Presl
Cytisus spinosus (L.) Lam.
Cytisus villosus Pourr.
T *Dorycnopsis gerardi* (L.) Boiss.
Emerus major Mill. subsp. **emeroides** (Boiss. & Spruner) Soldano & F.Conti
Emerus major Mill. subsp. **major**
Ervilia articulata (Hornem.) H.Schaef.
Ervilia hirsuta (L.) Opiz
Ervilia loiseleurii (M.Bieb.) H.Schaef.
Ervilia sylvatica (L.) Schur
Ervum gracile DC.
Ervum pubescens DC.
Ervum tetraspermum L.
E *Genista anglica* L.
E *Genista arbusensis* Vals.
E *Genista aristata* C.Presl
Genista aspalathoides Lam.
E *Genista bocchierii* Bacch., Brullo & Feoli Chiapella
E *Genista cadasonensis* Vals.
E *Genista cilentina* Vals.
Genista cinerea (Vill.) DC.
E *Genista corsica* (Loisel.) DC.
E *Genista cupanii* Guss.
E *Genista demarcoi* Brullo, Scelsi & Siracusa
E *Genista desoleana* Vals.
E *Genista ephedroides* DC.
E *Genista etnensis* (Raf.) DC.
Genista ferox (Poir.) Poir.
E *Genista gasparrinii* (Guss.) C.Presl
Genista germanica L.
Genista hispanica L. subsp. **hispanica**
Genista holopetala (Koch) Bald.
E *Genista insularis* Bacch., Brullo & Feoli Chiapella subsp. **fordinae** Bacch., Brullo & Feoli Chiapella
E *Genista insularis* Bacch., Brullo & Feoli Chiapella subsp. **insularis**
Genista januensis Viv. subsp. **januensis**
C *Genista linifolia* L.
E *Genista madoniensis* Raimondo
E *Genista michelii* Spach
Genista monspessulana (L.) L.A.S.Johnson
E *Genista morisii* Colla
E *Genista ovina* Bacch., Brullo & Feoli Chiapella
E *Genista pichisermolliana* Vals.
Genista pilosa L.
E *Genista pulchella* Vis. subsp. **aquilana** F.Conti & Manzi
Genista radiata (L.) Scop.
Genista sagittalis L.
E *Genista salzmännii* DC.
E *Genista sardoa* Vals.
E *Genista sericea* Wulfen subsp. **pollinensis** F.Conti, Feoli Chiapella & Bernardo
Genista sericea Wulfen subsp. **sericea** – Note: For the taxonomy and distribution of this species, see Conti et al. (2014).
E *Genista sulcitana* Vals.
Genista sylvestris Scop.
ET *Genista tenorei* G.Don
Genista tinctoria L.
E *Genista toluensis* Vals.
E *Genista tyrrhena* Vals. subsp. **pontiana** Brullo & De Marco
E *Genista tyrrhena* Vals. subsp. **tyrrhena**
E *Genista valsecchiae* Brullo & De Marco
Glycyrrhiza glabra L.
Hedysarum brigantiacum Bourn., Chas & Kerguélen
Hedysarum confertum Desf.
Hedysarum hedysaroides (L.) Schinz & Thell. subsp. **exaltatum** (A.Kern.) Chrtková
Hedysarum hedysaroides (L.) Schinz & Thell. subsp. **hedysaroides**

- Hippocrepis biflora* Spreng.
Hippocrepis ciliata Willd.
Hippocrepis comosa L. subsp. **comosa**
Hippocrepis glauca Ten.
Hippocrepis multisiliquosa L.
Hymenocarpus circinnatus (L.) Savi
Laburnum alpinum (Mill.) Bercht. & J.Presl
Laburnum anagyroides Medik. subsp. **alschingeri** (Vis.) Hayek
Laburnum anagyroides Medik. subsp. **anagyroides**
Lathyrus amphicarpos L.
Lathyrus angulatus L.
Lathyrus annuus L.
E *Lathyrus apenninus* F.Conti – Note: For the taxonomy and distribution of this species, see Conti (2010).
Lathyrus aphaca L. subsp. **aphaca**
Lathyrus cicera L.
Lathyrus cirrhosus Ser.
Lathyrus clymenum L.
Lathyrus digitatus (M.Bieb.) Fiori
Lathyrus filiformis (Lam.) J.Gay
Lathyrus gorgoni Parl.
Lathyrus grandiflorus Sm.
Lathyrus heterophyllus L.
Lathyrus hirsutus L.
Lathyrus inconspicuus L.
E *Lathyrus jordanii* (Ten.) Ces., Pass. & Gibelli
Lathyrus laevigatus (Waldst. & Kit.) Gren. subsp. **laevigatus**
Lathyrus laevigatus (Waldst. & Kit.) Gren. subsp. **occidentalis** (Fisch. & C.A.Mey.) Breistr.
Lathyrus latifolius L.
Lathyrus laxiflorus (Desf.) Kuntze subsp. **laxiflorus**
Lathyrus linifolius (Reichard) Bässler
Lathyrus niger (L.) Bernh.
Lathyrus nissolia L.
Lathyrus ochrus (L.) DC.
E *Lathyrus odoratus* L.
Lathyrus oleraceus Lam. subsp. **biflorus** (Raf.) H.Schaef., Coulot & Rabaute
Lathyrus palustris L.
Lathyrus pannonicus (Jacq.) Garcke subsp. **asphodeloides** (Gouan) Bässler
Lathyrus pannonicus (Jacq.) Garcke subsp. **varius** (Hill) P.W.Ball
Lathyrus pratensis L. subsp. **lusseri** (Heer ex W.D.J.Koch) Soják
Lathyrus pratensis L. subsp. **pratensis**
Lathyrus setifolius L.
Lathyrus sphaericus Retz.
Lathyrus sylvestris L. subsp. **sylvestris**
Lathyrus tingitanus L.
Lathyrus tuberosus L.
Lathyrus venetus (Mill.) Wohlf.
Lathyrus vernus (L.) Bernh.
Lotus angustissimus L.
Lotus biflorus Desr.
Lotus conimbricensis Brot.
Lotus conjugatus L. subsp. **conjugatus**
Lotus conjugatus L. subsp. **requienii** (Mauri ex Sanguin.) Greuter
T *Lotus corniculatus* L. subsp. **alpinus** (DC.) Rothm.
Lotus corniculatus L. subsp. **corniculatus**
T *Lotus corniculatus* L. subsp. **delortii** (Timb.-Lagr.) Nyman
T *Lotus corniculatus* L. subsp. **preslii** (Ten.) P.Fourn.
Lotus creticus L.
Lotus cytisoides L.
Lotus dorycnium L.
Lotus edulis L.
Lotus germanicus (Grenli) Peruzzi
Lotus halophilus Boiss. & Spruner
Lotus herbaceus (Will.) Jauzein
Lotus hirsutus L.
Lotus hispidus DC.
Lotus longisiliquosus R.Roem.
Lotus maritimus L.
Lotus ornithopodioides L.
Lotus parviflorus Desf.
Lotus pedunculatus Cav.
Lotus peregrinus L.
Lotus rectus L.
Lotus tenuis Waldst. & Kit. ex Willd.
Lotus tetragonolobus L.
Lupinus albus L. subsp. **graecus** (Boiss. & Spruner) Franco & P.Silva
Lupinus angustifolius L.
Lupinus cosentinii Guss.
Lupinus gussoneanus J.Agardh

- Lupinus luteus* L.
Medicago arabica (L.) Huds.
Medicago arborea L.
Medicago carstiensis Wulfen
Medicago ciliaris (L.) All.
Medicago coronata (L.) Bartal.
Medicago disciformis DC.
Medicago doliata Carmign.
Medicago falcata L. subsp. **falcata**
Medicago glutinosa M.Bieb.
Medicago intertexta (L.) Mill.
Medicago italica (Mill.) Grande
Medicago lesinsii E.Small
Medicago littoralis Loisel.
Medicago lupulina L.
Medicago marina L.
Medicago minima (L.) L.
Medicago monspeliaca (L.) Trautv.
Medicago murex Willd.
Medicago muricoleptis Tineo
Medicago orbicularis (L.) Bartal.
Medicago pironae Vis.
Medicago polymorpha L.
Medicago praecox DC.
Medicago prostrata Jacq. subsp. **prostrata**
Medicago rigidula (L.) All.
Medicago rugosa Desr.
Medicago scutellata (L.) Mill.
Medicago secundiflora Durieu
Medicago soleirolii Duby
Medicago tenoreana DC.
Medicago truncatula Gaertn.
Medicago turbinata (L.) All.
Onobrychis aequidentata (Sm.) d'Urv.
Onobrychis alba (Waldst. & Kit.) Desv. subsp. **alba**
E *Onobrychis alba* (Waldst. & Kit.) Desv. subsp. **echinata** (Guss.) P.W.Ball
Onobrychis alba (Waldst. & Kit.) Desv. subsp. **pentelica** (Hauskn.) Nyman
Onobrychis arenaria (Kit.) DC. subsp. **arenaria**
Onobrychis arenaria (Kit.) DC. subsp. **taurerica** Hand.-Mazz.
ET *Onobrychis arenaria* (Kit.) DC. subsp. **tommasinii** (Jord.) Asch. & Graebn.
Onobrychis calabrica Sirjaev
Onobrychis caput-galli (L.) Lam.
Onobrychis montana DC. subsp. **montana**
Onobrychis saxatilis (L.) Lam.
Onobrychis supina (Chaix ex Vill.) DC.
Onobrychis viciifolia Scop.
Ononis alba Poir. subsp. **alba**
Ononis alopecuroides L. subsp. **exalopecuroides** (G.López) Greuter & Burdet
Ononis biflora Desf.
E *Ononis cristata* Mill. subsp. **apennina** Tammaro & Catonica
Ononis cristata Mill. subsp. **cristata**
Ononis dentata Lowe
Ononis diffusa Ten.
Ononis hispida Desf. subsp. **hispida**
E *Ononis masquillierii* Bertol.
Ononis minutissima L.
Ononis mitissima L.
Ononis natrix L. subsp. **hispanica** (L.f.) Cout.
Ononis natrix L. subsp. **natrix**
E *Ononis natrix* L. subsp. **ramosissima** (Desf.) Batt.
Ononis oligophylla Ten.
Ononis ornithopodioides L.
Ononis pendula Desf. subsp. **boissieri** (Širj.) Devesa
Ononis pubescens L.
Ononis pusilla L. subsp. **pusilla**
Ononis reclinata L.
Ononis rotundifolia L.
Ononis serrata Forsk.
Ononis sicula Guss.
Ononis sieberi DC.
Ononis spinosa L. subsp. **antiquorum** (L.) Arcang.
Ononis spinosa L. subsp. **arvensis** (L.) Greuter & Burdet
Ononis spinosa L. subsp. **austriaca** (Beck) Gams
Ononis spinosa L. subsp. **procurrens** (Wallr.) Briq.
Ononis spinosa L. subsp. **spinosa**
Ononis variegata L.
E *Ononis viscosa* L. subsp. **breviflora** (DC.) Nyman
Ornithopus compressus L.

- Ornithopus perpusillus* L.
Ornithopus pinnatus (Mill.) Druce
Oxytropis campestris (L.) DC.
Oxytropis fetida (Vill.) DC.
Oxytropis halleri Bunge ex W.D.J.Koch
Oxytropis helvetica Scheele
Oxytropis lapponica (Wahlenb.) J.Gay
Oxytropis montana L.
Oxytropis neglecta J.Gay ex Ten.
E *Oxytropis ocrensis* F.Conti & Bartolucci – Note: For the taxonomy and distribution of this species, see Conti et al. (2018b).
E *Oxytropis pilosa* (L.) DC. subsp. **caputoi** (Moraldo & la Valva) Brillì-Catt., Di Massimo & Gubellini
Oxytropis pilosa (L.) DC. subsp. **pilosa**
Oxytropis xerophila Gutermann
E *Retama raetam* (Forssk.) Webb & Berthel. subsp. **gussonei** (Webb) Greuter
Scorpiurus muricatus L.
Scorpiurus subvillosus L.
DD *Scorpiurus sulcatus* L.
Scorpiurus vermiculatus L.
Securigera cretica (L.) Lassen
Securigera securidaca (L.) Degen & Dörfel.
Securigera varia (L.) Lassen
Spartium junceum L.
Sulla capitata (Desf.) B.H.Choi & H.Ohashi
Sulla coronaria (L.) Medik.
Sulla spinosissima (L.) B.H.Choi & H.Ohashi
Trifolium alpestre L.
Trifolium alpinum L.
Trifolium angustifolium L. subsp. **angustifolium**
Trifolium arvense L. subsp. **arvense**
Trifolium arvense L. subsp. **gracile** (Thuill.) Nyman
Trifolium aureum Pollich subsp. **aureum**
Trifolium badium Schreb.
E *Trifolium bivonae* Guss.
E *Trifolium bocconeii* Savi – Note: For the typification of this name, see Roma-Marzio et al. (2018).
E *Trifolium brutium* Ten.
Trifolium campestre Schreb.
Trifolium cernuum Brot.
Trifolium cherleri L.
Trifolium clusii Gren. & Godr.
Trifolium congestum Guss.
Trifolium diffusum Ehrh.
Trifolium dubium Sibth.
Trifolium echinatum M.Bieb.
Trifolium fragiferum L. subsp. **fragiferum**
Trifolium glomeratum L.
Trifolium grandiflorum Schreb.
Trifolium hirtum All.
Trifolium hybridum L. subsp. **elegans** (Savi) Asch. & Graebn.
Trifolium hybridum L. subsp. **hybridum**
Trifolium incarnatum L. subsp. **molinerii** (Balb. ex Hornem.) Ces.
Trifolium infamia-ponertii Greuter
Trifolium isthmocarpum Brot. subsp. **jaminianum** (Boiss.) Murb.
Trifolium lappaceum L.
Trifolium latinum Sebast. – Note: For the typification of this name, see Iamonico et al. (2011).
Trifolium leucanthum M.Bieb.
Trifolium ligusticum Loisel.
Trifolium lucanicum Gasp. ex Guss.
Trifolium medium L. subsp. **medium**
Trifolium michelianum Savi – Note: For the typification of this name, see Roma-Marzio et al. (2018).
Trifolium micranthum Viv.
Trifolium montanum L. subsp. **montanum**
Trifolium montanum L. subsp. **rupestre** (Ten.) Nyman
Trifolium multistriatum W.D.J.Koch
Trifolium mutabile Port.
Trifolium nigrescens Viv. subsp. **nigrescens**
Trifolium nigrescens Viv. subsp. **petrisavii** (Clementi) Holmboe
Trifolium noricum Wulfen subsp. **noricum**
Trifolium noricum Wulfen subsp. **praetutianum** (Savi) Arcang.
Trifolium obscurum Savi – Note: For the typification of this name, see Roma-Marzio et al. (2018).
Trifolium ochroleucon Huds.
Trifolium ornithopodioides L.
Trifolium pallescens Schreb.
Trifolium pallidum Waldst. & Kit.
Trifolium pannonicum Jacq. subsp. **pannonicum**
Trifolium patens Schreb.
Trifolium patulum Tausch
Trifolium phleoides Willd.
Trifolium physodes M.Bieb.
Trifolium pratense L. subsp. **nivale** Ces.

- Trifolium pratense*** L. subsp. ***pratense***
E ***Trifolium pratense*** L. subsp. ***semipurpureum*** (Strobl) Pignatti
Trifolium purpureum Loisel.
Trifolium repens L.
Trifolium resupinatum L.
Trifolium rubens L.
Trifolium saxatile All.
Trifolium scabrum L.
Trifolium sebastiani Savi – Note: For the typification of this name, see Roma-Marzio et al. (2018).
Trifolium spadiceum L.
Trifolium spumosum L.
Trifolium squamosum L.
Trifolium squarrosum L.
Trifolium stellatum L.
Trifolium striatum L. subsp. ***striatum***
Trifolium striatum L. subsp. ***tenuiflorum*** (Ten.) Arcang.
Trifolium strictum L.
Trifolium subterraneum L. subsp. ***oxaloides*** Nyman
Trifolium subterraneum L. subsp. ***subterraneum***
C ***Trifolium subterraneum*** L. subsp. ***yannanicum*** Katzn. & F.H.W.Morley
Trifolium suffocatum L.
Trifolium sylvaticum Gérard ex Loisel.
Trifolium tenuifolium Ten.
Trifolium thalii Vill.
Trifolium tomentosum L.
E ***Trifolium uniflorum*** L. subsp. ***savianum*** (Guss.) Asch. & Graebn.
Trifolium vesiculosum Savi – Note: For the typification of this name, see Roma-Marzio et al. (2018).
Trigonella alba (Medik.) Coulot & Rabaute
Trigonella altissima (Thuill.) Coulot & Rabaute
Trigonella elegans (Salzm. ex Ser.) Coulot & Rabaute
Trigonella esculenta Willd.
Trigonella gladiata M.Bieb.
Trigonella infesta (Guss.) Coulot & Rabaute
Trigonella italica (L.) Coulot & Rabaute
Trigonella maritima Delile ex Poir.
Trigonella officinalis (L.) Coulot & Rabaute
Trigonella segetalis (Brot.) Coulot & Rabaute
Trigonella sicula (Turra) Coulot & Rabaute
Trigonella smalii Coulot & Rabaute
Trigonella sulcata (Desf.) Coulot & Rabaute
Trigonella wojciechowskii Coulot & Rabaute
Tripodion tetraphyllum (L.) Fourr.
Ulex europaeus L. subsp. ***europaeus***
Vicia altissima Desf.
Vicia amphicarpa L.
Vicia angustifolia L.
Vicia benghalensis L.
Vicia bithynica (L.) L.
Vicia cassubica L.
E ***Vicia consentina*** Spreng.
Vicia cordata Wulfen ex Hoppe
Vicia cracca L.
Vicia cusnae Foggi & Ricceri
Vicia dalmatica A.Kern.
Vicia dasycarpa Ten.
Vicia disperma DC.
Vicia dumetorum L.
Vicia eriocarpa (Hauskn.) Halácsy
Vicia ervoides (Brign.) Hampe
E ***Vicia giacominiiana*** Segelb.
Vicia glauca C.Presl subsp. ***glauca***
Vicia grandiflora Scop.
Vicia hybrida L.
Vicia incana Gouan
Vicia incisa M.Bieb. – Note: For the taxonomy of this species, see Iberite et al. (2017).
Vicia johannis Tamamsch.
Vicia laeta Ces.
Vicia lathyroides L.
Vicia leucantha Biv.
Vicia lutea L.
Vicia macrocarpa (Moris) Bertol.
Vicia melanops Sm.
Vicia microphylla d'Urv.
Vicia monantha Retz. subsp. ***calcarata*** (Desf.) Romero Zarco
Vicia narbonensis L.
Vicia nigricans (M.Bieb.) Coss. & Germ.
E ***Vicia ochroleuca*** Ten. subsp. ***ochroleuca***
Vicia onobrychioides L.

Vicia oreophila Zertová
Vicia orooides Wulfen
Vicia pannonica Crantz subsp. **pannonica**
Vicia pannonica Crantz subsp. **striata** (M.Bieb.) Nyman
Vicia peregrina L.
Vicia pisiformis L.
Vicia pseudocracca Bertol.
Vicia sativa L.
Vicia saxatilis (Vent.) Tropea
Vicia segetalis Thuill.
Vicia sepium L.
Vicia serinica R.Uechtr. & Huter ex Porta
Vicia serratifolia Jacq.
Vicia sicula (Raf.) Guss.
Vicia sparsiflora Ten.
E *Vicia tenuifolia* Roth subsp. **elegans** (Guss.) Nyman
Vicia tenuifolia Roth subsp. **tenuifolia**
Vicia villosa Roth

Polygalaceae

Taxonomic references: *Polygala* L. (Arrigoni 2014).

- Polygala alpestris*** Rchb. subsp. **alpestris**
ET *Polygala alpestris* Rchb. subsp. **angelisii** (Ten.) Nyman
ET *Polygala alpestris* Rchb. subsp. **meridionalis** Arrigoni
Polygala alpina (Poir. ex DC.) Steud.
T *Polygala amara* L. subsp. **brachyptera** (Chodat) Hayek
Polygala amarella Crantz
E *Polygala apiculata* Huter, Porta & Rigo
Polygala calcarea F.W.Schultz
E *Polygala carueliana* (Burnat ex A.W.Benn.) Caruel
Polygala chamaebuxus L.
Polygala comosa Schkuhr
Polygala exilis DC.
E *Polygala flavescens* DC. subsp. **flavescens** – Note: For the typification of this name, see Roma-Marzio and Peruzzi (2017).
ET *Polygala flavescens* DC. subsp. **maremmana** (Fiori) Arrigoni
E *Polygala flavescens* DC. subsp. **pisaurensis** (Caldesi) Arcang.
T *Polygala forojulensis* A.Kern. subsp. **adriatica** (Chodat) Arrigoni
T *Polygala forojulensis* A.Kern. subsp. **carniolica** (A.Kern.) Arrigoni
Polygala forojulensis A.Kern. subsp. **forojulensis**
Polygala major Jacq.
Polygala monspeliaca L.
Polygala nicaeensis Risso ex W.D.J.Koch subsp. **gariodiana** (Jord. & Fourr.) Chodat
ET *Polygala nicaeensis* Risso ex W.D.J.Koch subsp. **italiana** (Chodat) Arrigoni
T *Polygala nicaeensis* Risso ex W.D.J.Koch subsp. **mediterranea** Chodat
Polygala nicaeensis Risso ex W.D.J.Koch subsp. **nicaeensis**
ET *Polygala nicaeensis* Risso ex W.D.J.Koch subsp. **peninsularis** Arrigoni
E *Polygala padulae* Arrigoni
Polygala pedemontana E.P.Perrier & B.Verl.
E *Polygala preslii* Spreng.
Polygala pseudoalpestris (Gren.) Dalla Torre & Sarnth.
Polygala rupestris Pourr.
E *Polygala sardoa* Chodat
Polygala saxatilis Desf.
Polygala serpyllifolia José
E *Polygala sinisica* Arrigoni
T *Polygala vulgaris* L. subsp. **oxyptera** (Rchb.) Schübl. & G.Martens
ET *Polygala vulgaris* L. subsp. **valdarnensis** (Fiori) Arrigoni
Polygala vulgaris L. subsp. **vulgaris**

Rosaceae

Taxonomic references: *Alchemilla* L. (Festi 2000; Tondi et al. 2005; Fröhner et al. 2012).

Agrimonia eupatoria L. subsp. **eupatoria** – Note: *Agrimonia eupatoria* L. subsp. *grandis* (Asch. & Graebn.) Bornm. is included within the variability of *A. eupatoria* s.str. For the morphological variability of *A. eupatoria*, see Iamonicò (2017).

- Agrimonia procera*** Wallr.
Alchemilla acrodon S.E.Fröhner
Alchemilla acutata Buser
Alchemilla aggregata Buser
Alchemilla alpigena Buser ex Hegi
Alchemilla alpina L.
Alchemilla alpinula S.E.Fröhner
Alchemilla amphisericca Buser
E *Alchemilla austroitalica* Brullo, Scelsi & Spamp.
E *Alchemilla bonae* S.E.Fröhner
Alchemilla carniolica (Paulin) Fritsch
Alchemilla cataractarum S.E.Fröhner
ET *Alchemilla cavillieri* (Briq.) Camus
ET *Alchemilla ceroniana* Buser

- Alchemilla chirophylla*** Buser
- T ***Alchemilla cinerea*** Buser – Note: Considering the records of related species (“pubescentes” group) from central Apennines, the distribution of *A. cinerea* in the Italian peninsula needs further investigations. Moreover, the taxonomic autonomy of this species is doubtful and it could represent just an extreme form of *A. colorata* Buser.
- Alchemilla colorata*** Buser
- Alchemilla compta*** Buser
- Alchemilla conjuncta* Bab.
- Alchemilla connivens*** Buser
- Alchemilla coriacea*** Buser
- Alchemilla crinita*** Buser
- Alchemilla croatica*** Gand.
- E ***Alchemilla cuneata*** Gaudin
- Alchemilla cymatophylla*** Juz.
- Alchemilla debilicaulis*** Buser
- Alchemilla decumbens*** Buser
- Alchemilla demissa*** Buser
- ET ***Alchemilla diversiloba*** Buser
- Alchemilla effusa*** Buser
- Alchemilla exigua*** Buser ex Paulin
- Alchemilla fallax*** Buser
- E ***Alchemilla federiciana*** S.E.Fröhner
- Alchemilla filicaulis*** Buser
- Alchemilla firminiana*** Buser
- Alchemilla fissa*** Günther & Schummel
- Alchemilla flabellata*** Buser
- Alchemilla flavicoma*** Buser ex Schröt.
- Alchemilla flavovirens*** Buser
- Alchemilla frigens*** Buser ex Jaquet
- Alchemilla glabra*** Neygenf.
- Alchemilla glacialis*** Buser
- Alchemilla glaucescens*** Wallr.
- Alchemilla glomerulans*** Buser
- Alchemilla grossidens*** Buser
- Alchemilla helvetica*** Brügger
- Alchemilla hirtipes*** Buser
- Alchemilla hoppeana*** (Rchb.) Dalla Torre
- Alchemilla impexa*** Buser
- Alchemilla incisa*** Buser
- Alchemilla inconcinna*** Buser
- E ***Alchemilla lasenii*** S.E.Fröhner
- Alchemilla leptoclada*** Buser
- Alchemilla lineata*** Buser
- Alchemilla longana*** Buser
- Alchemilla longiuscula*** Buser
- Alchemilla lucida*** Buser
- Alchemilla lunaria*** S.E.Fröhner
- E ***Alchemilla marsica*** Buser
- E ***Alchemilla martinii*** S.E.Fröhner
- Alchemilla micans*** Buser
- Alchemilla monticola*** Opiz
- E ***Alchemilla nipogeton*** Buser ex Pamp.
- Alchemilla nitida*** Buser
- E ***Alchemilla nydeggeriana*** S.E.Fröhner
- Alchemilla obtusa*** Buser
- Alchemilla opaca*** Buser
- Alchemilla othmarii*** Buser
- Alchemilla pallens*** Buser
- Alchemilla pentaphyllea*** L.
- Alchemilla plicata*** Buser
- Alchemilla propinqua*** H.Lindb. ex Juz.
- Alchemilla radiisecta*** Buser
- Alchemilla reniformis*** Buser
- Alchemilla rhododendrophila*** Buser
- Alchemilla rubristipula*** Buser
- Alchemilla saxatilis*** Buser
- Alchemilla sericoneura*** Buser
- Alchemilla sinuata*** Buser
- Alchemilla straminea*** Buser
- Alchemilla strigosula*** Buser
- Alchemilla subcrenata*** Buser
- Alchemilla subglobosa*** C.G.Westerl.
- Alchemilla subsericea*** Reut.
- Alchemilla tenerrima*** S.E.Fröhner
- Alchemilla tenuis*** Buser
- Alchemilla tirolensis*** Buser ex Dalla Torre & Sarnt.
- Alchemilla transiens*** (Buser) Buser
- Alchemilla trunciloba*** Buser
- Alchemilla undulata*** Buser

- E *Alchemilla vaccariana* Buser
Alchemilla venosula Buser
Alchemilla versipila Buser
Alchemilla vetteri Buser
Alchemilla vulgaris L.
Alchemilla xanthochlora Rothm.
Amelanchier ovalis Medik. subsp. **cretica** (Willd.) Maire & Petitm.
Amelanchier ovalis Medik. subsp. **embergeri** Favarger & Stearn
Amelanchier ovalis Medik. subsp. **ovalis**
Aphanes arvensis L.
Aphanes australis Rydb.
Aphanes floribunda (Murb.) Rothm.
Aphanes minutiflora (Azn.) Holub
Aphanes pusilla (Pomel) Batt.
Aremonia agrimonoides (L.) DC. subsp. **agrimonoides**
Argentina anserina (L.) Rydb. subsp. **anserina**
Aruncus dioicus (Walter) Fernald
Comarum palustre L.
- DD *Cotoneaster favargeri* J.Fryer & B.Hylmö
Cotoneaster intermedius (Lecoq & Lamotte) H.J.Coste
- DD *Cotoneaster juranus* Gand.
- E *Cotoneaster nebrodensis* (Guss.) K.Koch
Cotoneaster pyrenaicus Gand.
Cotoneaster tomentosus (Aiton) Lindl.
- E *Crataegus inegnae* (Tineo) Bertol.
Crataegus laciniata Ucria
Crataegus laevigata (Poir.) DC.
- DD *Crataegus macrocarpa* Hegetschw.
Crataegus monogyna Jacq.
Crataegus orientalis M.Bieb. subsp. **orientalis**
Crataegus orientalis M.Bieb. subsp. **presliana** K.I.Chr.
Dasiphora fruticosa (L.) Rydb.
Dryas octopetala L. subsp. **octopetala**
- E *Drymocallis corsica* (Soleirol ex Lehm.) Kurtto
Drymocallis rupestris (L.) Soják
Filipendula ulmaria (L.) Maxim.
Filipendula vulgaris Moench
Fragaria moschata Weston
Fragaria vesca L. subsp. **vesca**
Fragaria viridis Weston subsp. **viridis**
Geum heterocarpum Boiss. – Note: For the taxonomy and distribution of this species, see Bartolucci and Conti (2013).
Geum molle Vis. & Pančić
Geum montanum L.
Geum reptans L.
Geum rivale L.
Geum sylvaticum Pourr.
Geum urbanum L.
- E *Malus crescimannoi* Raimondo
Malus florentina (Zuccagni) C.K.Schneid.
Malus sylvestris (L.) Mill.
Potentilla alba L.
Potentilla alpicola De la Soie ex Fauc.
Potentilla anglica Laichard.
Potentilla apennina Ten. subsp. **apennina**
Potentilla argentea L. – Note: This species seems restricted to few localities of the Alps. Most records of *P. argentea* are likely to be referred to *P. neglecta* Baumg. or *P. argentea* var. *pseudocalabra* Th.Wolf (see Paule et al. 2011).
Potentilla aurea L. subsp. **aurea**
Potentilla brauneana Hoppe
- E *Potentilla calabra* Ten.
- E *Potentilla caulescens* L. subsp. **caulescens**
- E *Potentilla caulescens* L. subsp. **nebrodensis** (Strobl ex Zimmeter) Arrigoni
Potentilla cinerea Chaix ex Vill.
Potentilla clusiana Jacq.
Potentilla collina Wibel
Potentilla crantzii (Crantz) Beck ex Fritsch subsp. **crantzii**
- E *Potentilla crassinervia* Viv.
Potentilla detommasii Ten.
Potentilla erecta (L.) Raeusch.
Potentilla frigida Vill.
Potentilla grammopetala Moretti
Potentilla grandiflora L.
Potentilla heptaphylla L. subsp. **australis** (Nyman) Gams
Potentilla heptaphylla L. subsp. **heptaphylla**
Potentilla incana G.Gaertn., B.Mey. & Scherb.
Potentilla inclinata Vill.
- E *Potentilla johanniniana* Goiran
Potentilla leucopolitana P.J.Müll.
Potentilla micrantha Ramond ex DC.

- Potentilla multifida* L.
Potentilla neglecta Baumg. – Note: This species is likely more widespread than currently documented, as it is usually confused with *P. argentea* Ten.
Potentilla nitida L.
Potentilla nivea L. subsp. *nivea*
Potentilla pedata Willd. ex Hornem.
Potentilla pensylvanica L.
Potentilla pusilla Host
Potentilla recta L. subsp. *obscura* (Willd.) Ces.
Potentilla recta L. subsp. *recta*
Potentilla reptans L.
E *Potentilla rigoana* Th. Wolf
Potentilla saxifraga Ardoino ex De Not.
Potentilla sterilis (L.) Garcke
Potentilla supina L. subsp. *supina*
Potentilla thuringiaca Bernh. ex Link
Potentilla tommasiniana F.W. Schultz
Potentilla valderia L.
Potentilla verna L.
T *Poterium rupiculum* Boiss. & Reut.
Poterium sanguisorba L. subsp. *balearicum* (Bourg. ex Nyman) Stace
C *Poterium sanguisorba* L. subsp. *sanguisorba*
Poterium spinosum L.
Poterium verrucosum Link ex G. Don
Prunus avium (L.) L.
Prunus brigantina Vill.
Prunus cocomilia Ten.
Prunus fruticosa Pall.
ET *Prunus mahaleb* L. subsp. *cupaniana* (Guss. ex É. Huet & A. Huet) Arcang.
Prunus mahaleb L. subsp. *mahaleb*
Prunus padus L. subsp. *borealis* (A. Blytt) Nyman
Prunus padus L. subsp. *padus*
Prunus prostrata Labill.
Prunus spinosa L. subsp. *spinosa*
Prunus webbii (Spach) Vierh.
ET *Pyracantha coccinea* M. Roem.
ET *Pyrus castrimonensis* Raimondo, Schicchi & Mazzola
ET *Pyrus ciancioi* P. Marino, Spadaro, G. Castellano & Raimondo
Pyrus communis L. subsp. *pyraster* (L.) Ehrh. – Note: This subspecies is hardly discernible from cultivated forms (i.e. *P. communis* s.str.; Roma-Marzio et al. 2016a).
C *Pyrus cordata* Desv.
ET *Pyrus nivalis* Jacq.
ET *Pyrus sicanorum* Raimondo, Schicchi & P. Marino
ET *Pyrus spinosa* Forssk.
ET *Pyrus vallis-demonis* Raimondo & Schicchi
T *Rosa abietina* Gren. ex Christ
Rosa agrestis Savi – Note: For the typification of this name, see Roma-Marzio et al. (2016b).
T *Rosa andegavensis* Bastard
Rosa arvensis Huds.
Rosa balsamica Besser
Rosa caesia Sm.
Rosa canina L.
Rosa chavini Rapin ex Reut.
T *Rosa corymbifera* Borkh.
T *Rosa deseglisei* Boreau
Rosa dumalis Bechst.
Rosa elliptica Tausch
Rosa gallica L.
Rosa glauca Pourr.
Rosa heckeliana Tratt.
Rosa inodora Fr.
Rosa majalis Herrm.
Rosa marginata Wallr.
Rosa micrantha Borrer ex Sm.
Rosa mollis Sm.
T *Rosa montana* Chaix
Rosa nitidula Besser
Rosa pendulina L.
Rosa pouzinii Tratt.
Rosa pseudoscabriuscula (R. Keller) Henker & G. Schulze
Rosa pulverulenta M. Bieb.
Rosa rhaetica Gremli
Rosa rubiginosa L. – Note: *Rosa gremlii* Christ, recorded for TAA, is here regarded as a synonym of this species.
Rosa sempervirens L.
Rosa serafinii Viv.
Rosa sherardii Davies
Rosa sicula Tratt.
Rosa spinosissima L.
T *Rosa squarrosa* (A. Rau) Boreau

- T *Rosa strobliana* Burnat & Greml
Rosa stylosa Desv.
Rosa subcanina (Christ) Vuk.
Rosa subcollina (Christ) Vuk.
Rosa tomentosa Sm.
Rosa uriensis Lagget & Puget ex Cottet
Rosa villosa L.
- E *Rosa viscosa* Jan ex Guss.
Rubus acheruntinus Ten.
- E *Rubus aetneus* Tornab.
- E *Rubus arrigonii* Camarda
Rubus austrotirolensis (Sabr.) Dalla Torre & Sarnth.
Rubus bicolor Opiz
Rubus bifrons Vest
Rubus caesius L.
Rubus canescens DC.
Rubus constrictus Lefèvre & P.J.Müll.
- E *Rubus cupanianus* Guss.
Rubus epipsilos Focke
Rubus euprepes Focke
Rubus fasciculatus P.J.Müll.
- E *Rubus festii* H.E.Weber
Rubus glaucellus Sudre
Rubus grabowskii Weihe
Rubus guttiferus Trávn. & Holub
Rubus henrici-egonis Holub
Rubus hirtus Waldst. & Kit. group – Note: Including *R. hirtus* s.str. and *R. glandulosus* Bellardi.
Rubus idaeus L. subsp. *idaeus*
Rubus incanescens (DC.) Bertol.
- ET *Rubus laconensis* Camarda
- ET *Rubus limbarae* Camarda
Rubus macrophyllus Weihe & Nees
Rubus montanus Lib. ex Lej.
Rubus nessensis Hall subsp. *nessensis*
Rubus obtusangulus Greml
Rubus pericrispatus Holub & Trávn.
Rubus perrobustus Holub
- ET *Rubus pignattii* Camarda
Rubus plicatus Weihe & Nees
Rubus praecox Bertol.
Rubus radula Weihe
Rubus saxatilis L.
Rubus sulcatus Vest
Rubus ulmifolius Schott
Rubus vestitus Weihe
Rubus sect. *Corylifolii* Lindl. – Note: We are not able to specify which species belonging to this section, besides *R. festii* H.E.Weber and *R. fasciculatus* P.J.Müll., occur in Italy.
- E *Sanguisorba dodecandra* Moretti
Sanguisorba officinalis L.
Sibbaldia procumbens L.
Sorbus aria (L.) Crantz – Note: Recently, Sennikov and Kurtto (2017) proposed the splitting of *Sorbus* into several distinct genera. These authors relied on previous phylogenetic data (e.g. Li et al. 2012; Lo and Donoghue 2012), which highlighted the non-monophyletic nature of *Sorbus* in its traditional circumscription. However, in our opinion, the resolution and detail of the current phylogenetic knowledge within the tribe Pyreae is still not sufficient for a safe recircumscription of its genera. For this reason, we decided to provisionally maintain a wide concept of the genus *Sorbus*.
Sorbus aucuparia L. subsp. *aucuparia*
Sorbus aucuparia L. subsp. *glabrata* (Wimm. & Grab.) Hedl.
ET *Sorbus aucuparia* L. subsp. *praemorsa* (Guss.) Nyman
Sorbus austriaca (Beck) Hayek
ET *Sorbus busambarensis* G.Castellano, P.Marino, Raimondo & Spadaro
Sorbus chamaemespilus (L.) Crantz
Sorbus domestica L.
Sorbus graeca (Spach) Lodd. ex S.Schauer – Note: The taxonomically highly questionable *Aria tergestina* (H.Lindb.) Sennikov & Kurtto is provisionally included here.
- T *Sorbus istriaca* Kárpáti
- ET *Sorbus madoniensis* Raimondo, G.Castellano, Bazan & Schicchi
Sorbus mougeotii Soy.-Will. & Godr.
Sorbus torminalis (L.) Crantz
Sorbus umbellata (Desf.) Fritsch
Spiraea cana Waldst. & Kit.
Spiraea chamaedryfolia L.
Spiraea decumbens W.D.J.Koch subsp. *decumbens*
E *Spiraea decumbens* W.D.J.Koch subsp. *tomentosa* (Poech) Dostál

Rhamnaceae

Taxonomic references: *Oreoherzogia* W.Vent (Hauenschild et al. 2016).*Frangula alnus* Mill. subsp. *alnus**Frangula rupestris* (Scop.) Schur*Oreoherzogia alpina* (L.) W.Vent

- T ***Oreoherzogia fallax*** (Boiss.) W.Vent – Note: Records for TOS fall within the variability of *O. alpina* (Roma-Marzio et al. 2016a). Similar pictures may apply to other Italian regions.
- E ***Oreoherzogia glaucophylla*** (Sommier) W.Vent
Oreoherzogia pumila (Turra) W.Vent subsp. ***pumila***
Paliurus spina-christi Mill.
Rhamnus alaternus L. subsp. ***alaternus***
Rhamnus cathartica L.
Rhamnus intermedia Steud. & Hochst.
- E ***Rhamnus lojaconoii*** Raimondo
Rhamnus lycioides L. subsp. ***oleoides*** (L.) Jahand. & Maire
- E ***Rhamnus persicifolia*** Moris
Rhamnus saxatilis Jacq.
Ziziphus lotus (L.) Lam. subsp. ***lotus***
- Elaeagnaceae
Hippophaë fluviatilis (Soest) Rivas Mart.
- Ulmaceae
Ulmus glabra Huds.
Ulmus laevis Pall.
Ulmus minor Mill. subsp. ***canescens*** (Melville) Browicz & Ziel.
Ulmus minor Mill. subsp. ***minor***
- E ***Zelkova sicula*** Di Pasq., Garfi & Quézel
- Cannabaceae
Celtis australis L. subsp. ***australis***
E ***Celtis tournefortii*** Lam. subsp. ***aetnensis*** (Tornab.) Raimondo & Schicchi
E ***Celtis tournefortii*** Lam. subsp. ***asperrima*** (Lojac.) Raimondo & Schicchi
Humulus lupulus L.
- Moraceae
Ficus carica L.
- Urticaceae
Taxonomic references: *Urtica dioica* L. (Weigend 2006).
Parietaria cretica L.
Parietaria judaica L.
Parietaria lusitanica L. subsp. ***lusitanica***
Parietaria mauritanica Durieu
Parietaria officinalis L.
Soleirolia soleirolii (Req.) Dandy
Urtica atrovirens Req. ex Loisel.
Urtica dioica L. subsp. ***dioica***
T ***Urtica dioica*** L. subsp. ***pubescens*** (Ledeb.) Domin
Urtica membranacea Poir.
Urtica pilulifera L.
E ***Urtica rupestris*** Guss.
Urtica urens L.
- Fagaceae
Castanea sativa Mill.
Fagus sylvatica L. subsp. ***sylvatica***
Quercus cerris L.
Quercus coccifera L.
T ***Quercus congesta*** C.Presl
T ***Quercus dalechampii*** Ten. – Note: For the taxonomy and distribution of this species, see Di Pietro et al. (2012, 2016).
Quercus frainetto Ten.
ET ***Quercus ichnusae*** Mossa, Bacch. & Brullo
Quercus ilex L. subsp. ***ilex***
C ***Quercus ithaburensis*** Decne. subsp. ***macrolepis*** (Kotschy) Hedge & Yalt.
ET ***Quercus leptobalana*** Guss.
E ***Quercus petraea*** (Matt.) Liebl. subsp. ***austrotyrrhenica*** Brullo, Guarino & Siracusa
Quercus petraea (Matt.) Liebl. subsp. ***petraea***
Quercus pubescens Willd. subsp. ***pubescens***
Quercus pyrenaica Willd.
Quercus robur L. subsp. ***brutia*** (Ten.) O.Schwarz
Quercus robur L. subsp. ***robur***
Quercus suber L.
Quercus trojana Webb subsp. ***trojana***
- Juglandaceae
C ***Juglans regia*** L. – Note: According to Accorsi et al. (1989) and Mercuri et al. (2013), this species could be native at least in VEN.
- Betulaceae
Alnus alnobetula (Ehrh.) K.Koch
E ***Alnus cordata*** (Loisel.) Duby
Alnus glutinosa (L.) Gaertn.
Alnus incana (L.) Moench

- ET *Betula etnensis* Raf.
Betula nana L. subsp. *nana*
Betula pendula Roth
Betula pubescens Ehrh.
Carpinus betulus L.
Carpinus orientalis Mill. subsp. *orientalis*
Corylus avellana L.
Ostrya carpinifolia Scop.
- Coriariaceae
Coriaria myrtifolia L.
- Cucurbitaceae
C *Bryonia acuta* Desf.
Bryonia alba L.
Bryonia dioica Jacq.
E *Bryonia marmorata* E.Petit
Citrullus colocynthis (L.) Schrad.
Ecballium elaterium (L.) A.Rich.
- Celastraceae
Euonymus europaeus L.
Euonymus latifolius (L.) Mill.
Euonymus verrucosus Scop.
Parnassia palustris L. subsp. *palustris*
- Oxalidaceae
Oxalis acetosella L.
Oxalis corniculata L.
- Violaceae
E *Viola aethnensis* (Ging. & DC.) Strobl subsp. *aethnensis*
E *Viola aethnensis* (Ging. & DC.) Strobl subsp. *messanensis* (W.Becker) Merxm. & Lippert
E *Viola aethnensis* (Ging. & DC.) Strobl subsp. *splendida* (W.Becker) Merxm. & Lippert
Viola alba Besser subsp. *alba*
T *Viola alba* Besser subsp. *dehnhardtii* (Ten.) W.Becker
Viola ambigua Waldst. & Kit.
Viola arborescens L.
Viola argenteria Moraldo & Forneris
Viola arvensis Murray subsp. *arvensis*
Viola arvensis Murray subsp. *megalantha* Nauenb.
E *Viola bertolonii* Pio
Viola biflora L.
Viola calcarata L. subsp. *calcarata*
Viola calcarata L. subsp. *villarsiana* (Roem. & Schult.) Merxm.
Viola canina L. subsp. *canina*
E *Viola cassinensis* Strobl subsp. *cassinensis*
ET *Viola cassinensis* Strobl subsp. *pseudogracilis* (A.Terracc.) Bartolucci, Galasso & Wagens. – Note: For the nomenclature of this species, see Bartolucci et al. (2018).
Viola cavillieri W.Becker
Viola cenisia L.
Viola collina Besser
E *Viola comollia* Massara
E *Viola corsica* Nyman subsp. *ilvensis* (W.Becker) Merxm.
E *Viola culminis* F.Fen. & Moraldo
E *Viola dubyana* Burnat ex Gremli
Viola elatior Fr.
E *Viola etrusca* Erben
E *Viola eugeniae* Parl. subsp. *eugeniae*
ET *Viola eugeniae* Parl. subsp. *levieri* (Parl.) Arcang.
ET *Viola ferrarinii* Moraldo & Ricceri
Viola hirta L.
Viola hymettia Boiss. & Heldr.
Viola jordani Hanry
Viola kitaibeliana Schult.
Viola laricicola Marcussen
E *Viola limbarae* (Merxm. & W.Lippert) Arrigoni
E *Viola magellensis* Porta & Rigo ex Strobl
E *Viola merxmulleri* Erben
Viola mirabilis L.
E *Viola nebrodensis* C.Presl
Viola odorata L.
Viola palustris L.
Viola parvula Tineo
Viola pinnata L.
Viola pumila Chaix
Viola pyrenaica Ramond ex DC.
Viola reichenbachiana Jord. ex Boreau

- Viola riviniana* Rchb. subsp. ***riviniana***
Viola rupestris F.W.Schmidt subsp. ***rupestris***
T *Viola suavis* M.Bieb. subsp. ***adriatica*** (Frey) Hasler
Viola suavis M.Bieb. subsp. ***suavis***
E *Viola thomasiana* Songeon & E.P.Perrier
T *Viola tineorum* Erben & Raimondo
Viola tricolor L. subsp. ***saxatilis*** (F.W.Schmidt) Jan
E *Viola tricolor* L. subsp. ***tricolor***
Viola ucriana Erben & Raimondo
Viola valderia All.
- Salicaceae
Populus alba L.
Populus canescens (Aiton) Sm.
T ***Populus nigra*** L. subsp. ***neapolitana*** (Ten.) Asch. & Graebn.
Populus nigra L. subsp. ***nigra***
Populus tremula L.
Salix alba L.
Salix alpina Scop.
Salix amplexicaulis Bory
Salix apennina A.K.Skvortsov
Salix appendiculata Vill.
ET ***Salix arrigonii*** Brullo
Salix atrocinerea Brot. subsp. ***atrocinerea***
Salix aurita L.
Salix breviserrata Flod.
E ***Salix brutia*** Brullo & Spamp.
Salix caesia Vill.
Salix caprea L.
Salix cinerea L.
E ***Salix crataegifolia*** Bertol.
Salix daphnoides Vill.
Salix eleagnos Scop.
Salix foetida Schleich. ex DC.
Salix glabra Scop.
E ***Salix glaucosericea*** Flod.
Salix gussonei Brullo & Spamp.
Salix hastata L.
Salix hegetschweileri Heer
Salix helvetica Vill.
E ***Salix herbacea*** L.
Salix ionica Brullo, Scelsi & Spamp.
Salix laggeri Wimm.
Salix mielichhoferi Saut.
E ***Salix myrsinifolia*** Salisb.
E ***Salix nebrodensis*** C.Brullo, Brullo, Cambria & Giusso
E ***Salix oropotamica*** Brullo, Scelsi & Spamp.
Salix pedicellata Desf.
Salix pentandra L.
ET ***Salix purpurea*** L. subsp. ***angustior*** Lautenschl.
Salix purpurea L. subsp. ***eburnea*** (Borzi) Cif. & Giacom. ex Pignatti
Salix purpurea L. subsp. ***purpurea***
Salix repens L. subsp. ***repens***
Salix reticulata L.
Salix retusa L.
Salix rosmarinifolia L.
Salix serpillifolia Scop.
Salix triandra L. subsp. ***triandra***
E ***Salix tyrrhenica*** Brullo, Scelsi & Spamp.
Salix waldsteiniana Willd.
- Linaceae
Linum alpinum Jacq.
Linum campanulatum L.
Linum capitatum Kit. ex Schult. subsp. ***serrulatum*** (Bertol.) Hartvig
T ***Linum catharticum*** L. subsp. ***catharticum***
Linum catharticum L. subsp. ***suecicum*** Hayek
Linum corymbulosum Rchb.
Linum decumbens Desf.
Linum elegans Spruner ex Boiss. – Note: For the distribution and morphology of this species, see Wagensommer et al. (2017).
Linum flavum L.
E ***Linum katieae*** Peruzzi – Note: For the taxonomy and distribution of this species, see Peruzzi (2011).
T ***Linum maritimum*** L. subsp. ***ligusticum*** (Rouy) P.Fourn.
Linum maritimum L. subsp. ***maritimum***
E ***Linum mulleri*** Moris
Linum narbonense L.
Linum nodiflorum L.
E ***Linum punctatum*** C.Presl subsp. ***punctatum***

Linum radiola L.
Linum strictum L.
Linum suffruticosum L. subsp. **appressum** (Caball.) Rivas Mart.
Linum tenuifolium L.
Linum tommasinii (Rchb.) Nyman
Linum trigynum L.
Linum usitatissimum L. subsp. **angustifolium** (Huds.) Thell.
Linum viscosum L.

Hypericaceae

- Hypericum aegypticum* L.
Hypericum androsaemum L.
Hypericum annulatum Moris
Hypericum australe Ten.
ET *Hypericum barbatum* Jacq. subsp. **calabricum** (Spreng.) Peruzzi & N.G.Passal.
Hypericum coris L.
E *Hypericum corsicum* Steud.
Hypericum elodes L. – Note: For the biology and distribution of this species, see Carta et al. (2016) and literature cited therein.
E *Hypericum hircinum* L. subsp. **hircinum**
Hypericum hircinum L. subsp. **majus** (Aiton) N.Robson
Hypericum hirsutum L.
Hypericum humifusum L.
Hypericum hyssopifolium Chaix
Hypericum maculatum Crantz subsp. **maculatum**
Hypericum montanum L.
Hypericum nummularium L.
Hypericum perforatum L.
Hypericum perforatum L. subsp. **perforatum**
Hypericum perforatum L. subsp. **veronense** (Schrank) Ces.
Hypericum pubescens Boiss.
E *Hypericum richeri* Vill. subsp. **richeri**
Hypericum scruglii Bacch., Brullo & Salmeri
Hypericum spruneri Boiss.
Hypericum tetrapterum Fr.
Hypericum tomentosum L.
Hypericum triquetrifolium Turra

Elatinaceae

- Elatine alsinastrum* L.
Elatine campylosperma Seub.
Elatine gussonei (Sommier) Brullo, Lanfr., Pavone & Ronsisv.
C *Elatine hexandra* (Lapierre) DC. – Note: It is an allopolyploid species, probably originated in Spain or Morocco (Razifard et al. 2017).
Elatine hydropiper L.
Elatine macropoda Guss.
Elatine triandra Schkuhr

Euphorbiaceae

Taxonomic references: *Euphorbia barrelieri* Savi group (Frajman and Schönswetter 2017).

- Chrozophora tinctoria* (L.) A.Juss.
Euphorbia akenocarpa Guss.
Euphorbia aleppica L.
Euphorbia amygdaloides L.
Euphorbia angulata Jacq.
Euphorbia apios L.
Euphorbia barrelieri Savi – Note: According to Frajman and Schönswetter (2017), *E. thessala* (Formanek) Degen & Dorfl. [= *E. barrelieri* Savi subsp. *thessala* (Formanek) Bornm.] does not occur in Italy.
Euphorbia biumbellata Poir.
Euphorbia bivonae Steud. subsp. **bivonae**
E *Euphorbia carniolica* Jacq.
Euphorbia ceratocarpa Ten.
Euphorbia chamaesyce L.
E *Euphorbia characias* L.
Euphorbia corallioides L.
Euphorbia cuneifolia Guss.
Euphorbia cyparissias L.
Euphorbia dendroides L.
Euphorbia dulcis L.
Euphorbia esula L. subsp. **esula**
Euphorbia esula L. subsp. **tommasiniana** (Bertol.) Kuzmanov
Euphorbia exigua L. subsp. **exigua**
Euphorbia falcata L. subsp. **falcata**
Euphorbia flavicoma DC. subsp. **flavicoma**
Euphorbia fragifera Jan
E *Euphorbia gasparrinii* Boiss. subsp. **gasparrinii**
E *Euphorbia gasparrinii* Boiss. subsp. **samnitica** (Fiore) Pignatti
Euphorbia gayi Salis
Euphorbia helioscopia L. subsp. **helioscopia**
Euphorbia hirsuta L.

- Euphorbia hyberna* L. subsp. **canuti** (Parl.) Tutin
 E *Euphorbia hyberna* L. subsp. **gibelliana** (Peola) Raffaelli
 E *Euphorbia hyberna* L. subsp. **insularis** (Boiss.) Briq.
Euphorbia illirica Lam.
Euphorbia kernerii Huter ex A.Kern.
Euphorbia lagascae Spreng.
Euphorbia lucida Waldst. & Kit.
 E *Euphorbia meuselii* Geltman
Euphorbia myrsinites L. subsp. **myrsinites**
 ET *Euphorbia nicaeensis* All. subsp. **japygica** (Ten.) Arcang.
Euphorbia nicaeensis All. subsp. **niccaeensis**
Euphorbia palustris L.
 E *Euphorbia papillaris* (Boiss.) Raffaelli & Ricceri
Euphorbia paralias L.
Euphorbia peplis L.
Euphorbia peplus L.
Euphorbia phymatosperma Boiss. subsp. **cernua** (Coss. & Durieu ex Boiss.) Vindt
 E *Euphorbia pithyusa* L. subsp. **cupanii** (Guss. ex Bertol.) Radcl.-Sm.
Euphorbia pithyusa L. subsp. **pithyusa**
Euphorbia platyphyllos L.
Euphorbia pterococca Brot.
Euphorbia rigida M.Bieb.
Euphorbia segetalis L.
Euphorbia seguieriana Neck. subsp. **seguieriana**
 E *Euphorbia semiperfoliata* Viv.
Euphorbia serrata L.
Euphorbia spinosa L.
Euphorbia stricta L.
Euphorbia sulcata Lens ex Loisel.
Euphorbia taurinensis All.
Euphorbia terracina L.
Euphorbia vallisiana Belli
 E *Euphorbia variabilis* Ces.
Euphorbia verrucosa L.
Mercurialis annua L.
 E *Mercurialis corsica* Coss. & Kralik
Mercurialis ovata Sternb. & Hoppe
Mercurialis perennis L.
- Phyllanthaceae
Andrachne telephioides L.
- Geraniaceae
Erodium acaule (L.) Bech. & Thell.
Erodium alnifolium Guss.
 E *Erodium alpinum* (Burm.f.) L'Hér.
Erodium botrys (Cav.) Bertol.
Erodium chium (L.) Willd.
Erodium ciconium (L.) L'Hér.
Erodium cicutarium (L.) L'Hér.
 E *Erodium corsicum* Léman
Erodium gruinum (L.) L'Hér.
Erodium laciniatum (Cav.) Willd. subsp. **laciniatum** – Note: According to Domina et al. (2017b), we include *E. soluntinum* Tod. here, as a heterotypic synonym.
Erodium lebelii Jord. subsp. **maruccii** (Parl.) Guitt.
Erodium malacooides (L.) L'Hér. subsp. **malacooides**
Erodium maritimum (L.) L'Hér.
Erodium moschatum (L.) L'Hér.
 E *Erodium nervulosum* L'Hér.
Erodium neuradifolium Delile ex Godr.
Erodium salzmännii Delile
Geranium argenteum L.
Geranium asphodeloides Burm.f. subsp. **asphodeloides**
 E *Geranium austroapenninum* Aedo
Geranium bohemicum L.
Geranium columbinum L.
Geranium dissectum L.
Geranium divaricatum Ehrh.
Geranium lanuginosum Lam.
Geranium lucidum L.
Geranium macrorrhizum L.
Geranium molle L.
Geranium nodosum L.
Geranium palustre L.
Geranium phaeum L.
Geranium pratense L. subsp. **pratense**
Geranium purpureum Vill.
Geranium pusillum L.
Geranium pyrenaicum Burm.f. subsp. **pyrenaicum**

Geranium reflexum L.
Geranium rivulare Vill.
Geranium robertianum L.
Geranium rotundifolium L.
Geranium sanguineum L.
Geranium sibiricum L.
Geranium sylvaticum L.
Geranium tuberosum L. subsp. **tuberosum**
Geranium versicolor L.

Onagraceae

Taxonomic references: *Chamaenerion* Ség. (Sennikov 2011).

Chamaenerion angustifolium (L.) Scop.
Chamaenerion dodonaei (Vill.) Schur ex Fuss
Chamaenerion fleischeri (Hochst.) Fritsch
Circaea alpina L. subsp. **alpina**
Circaea lutetiana L. subsp. **lutetiana**
Epilobium alpestre (Jacq.) Krock.
Epilobium alsinifolium Vill.
Epilobium anagallidifolium Lam.
Epilobium collinum C.C.Gmel.
Epilobium hirsutum L.
Epilobium lanceolatum Sebast. & Mauri
Epilobium montanum L.
Epilobium nutans F.W.Schmidt
Epilobium obscurum Schreb.
Epilobium palustre L.
Epilobium parviflorum Schreb.
Epilobium roseum Schreb. subsp. **roseum**
T *Epilobium tetragonum* L. subsp. **lamyi** (F.W.Schultz) Nyman
Epilobium tetragonum L. subsp. **tetragonum**
T *Epilobium tetragonum* L. subsp. **tournefortii** (Michalet) H.Lév.
Ludwigia palustris (L.) Elliott

Lythraceae

Lythrum acutangulum Lag.
Lythrum hyssopifolia L.
Lythrum junceum Banks & Sol.
Lythrum salicaria L.
Lythrum thesioides M.Bieb.
Lythrum thymifolia L.
Lythrum tribracteatum Salzm. ex Spreng.
Lythrum virgatum L.
Middendorfia borysthenica (Schrank) Trautv.
Peplis portula L.
Trapa natans L.

Myrtaceae

Myrtus communis L.

Staphyleaceae

Staphylea pinnata L.

Nitrariaceae

Peganum harmala L.

Anacardiaceae

Cotinus coggygria Scop.
Pistacia lentiscus L.
Pistacia terebinthus L. subsp. **terebinthus**
C *Rhus coriaria* L.
Rhus pentaphylla (Jacq.) Desf.
Rhus tripartita (Ucria) Grande

Sapindaceae

Acer campestre L.

E *Acer cappadocicum* Gled. subsp. **lobelii** (Ten.) A.E.Murray

Acer monspessulanum L. subsp. **monspessulanum**

T *Acer opalus* Mill. subsp. **obtusatum** (Waldst. & Kit. ex Willd.) Gams – Note: Herbarium specimens from TOS show often morphological features intermediate among *A. opalus* s.str. and *A. opalus* subsp. **obtusatum** (Roma-Marzio et al. 2016a).

Acer opalus Mill. subsp. **opalus**

Acer platanoides L.

Acer pseudoplatanus L.

Rutaceae

Cneorum tricoccon L.

Dictamnus albus L.

- Haplophyllum patavinum* (L.) G. Don
Ruta angustifolia Pers.
Ruta chalepensis L.
Ruta graveolens L.
E *Ruta lamarmorae* Bacch., Brullo & Giusso
Ruta montana (L.) L.
- Thymelaeaceae
Daphne alpina L. subsp. ***alpina***
Daphne alpina L. subsp. ***scopoliana*** Urbani
Daphne blagayana Freyer
Daphne cneorum L.
Daphne gnidium L.
Daphne laureola L.
Daphne mezereum L.
Daphne oleoides Schreb. subsp. ***oleoides***
E *Daphne petraea* Leyb.
E *Daphne reichsteini* Landolt & E.J.P. Hauser
Daphne sericea Vahl
Daphne striata Tratt.
Thymelaea dioica (Gouan) All.
Thymelaea gussonei Boreau
Thymelaea hirsuta (L.) Endl.
Thymelaea passerina (L.) Coss. & Germ.
Thymelaea tartonraira (L.) All. subsp. ***tartonraira***
- Cistaceae
Cistus albidus L.
Cistus clusii Dunal
Cistus creticus L. subsp. ***corsicus*** (Loisel.) Greuter & Burdet
Cistus creticus L. subsp. ***creticus***
Cistus creticus L. subsp. ***eriocephalus*** (Viv.) Greuter & Burdet
Cistus crispus L.
Cistus laurifolius L. subsp. ***laurifolius*** – Note: For the biology and distribution of this species, see Astuti et al. (2017b) and literature cited therein.
Cistus monspeliensis L.
Cistus parviflorus Lam.
Cistus salviifolius L.
Fumana arabica (L.) Spach
Fumana ericifolia Wallr.
Fumana juniperina (Lag. ex Dunal) Pau
Fumana laevipes (L.) Spach
Fumana laevis (Cav.) Pau
Fumana procumbens (Dunal) Gren. & Godr.
Fumana scoparia Pomel
Fumana thymifolia (L.) Spach ex Webb
Halimium halimifolium (L.) Willk. subsp. ***halimifolium***
Helianthemum aegyptiacum (L.) Mill.
Helianthemum apenninum (L.) Mill. subsp. ***apenninum***
Helianthemum caput-felis Boiss.
Helianthemum cinereum (Cav.) Pers. subsp. ***rotundifolium*** (Dunal) Greuter & Burdet
E *Helianthemum croceum* (Desf.) Pers.
Helianthemum farinulentum Lacaita
Helianthemum jonium Lacaita & Grosser
Helianthemum ledifolium (L.) Mill.
Helianthemum leptophyllum Dunal
Helianthemum lippii (L.) Dum. Cours.
E *Helianthemum lunulatum* (All.) DC.
E *Helianthemum morisianum* Bertol.
T *Helianthemum nummularium* (L.) Mill. subsp. ***berteroanum*** (Bertol.) Breistr.
T *Helianthemum nummularium* (L.) Mill. subsp. ***glabrum*** (W.D.J. Koch) Wilczek
Helianthemum nummularium (L.) Mill. subsp. ***grandiflorum*** (Scop.) Schinz & Thell.
Helianthemum nummularium (L.) Mill. subsp. ***nummularium***
T *Helianthemum nummularium* (L.) Mill. subsp. ***obscurum*** (Čelak.) Holub
T *Helianthemum nummularium* (L.) Mill. subsp. ***semiglabrum*** (Badarò) M. Proctor
T *Helianthemum nummularium* (L.) Mill. subsp. ***tomentosum*** (Scop.) Schinz & Thell.
E *Helianthemum oelandicum* (L.) Dum. Cours. subsp. ***allionii*** (Tineo) Greuter & Burdet
Helianthemum oelandicum (L.) Dum. Cours. subsp. ***alpestre*** (Jacq.) Ces.
Helianthemum oelandicum (L.) Dum. Cours. subsp. ***incanum*** (Willk.) G. López
Helianthemum oelandicum (L.) Dum. Cours. subsp. ***italicum*** (L.) Ces.
E *Helianthemum oelandicum* (L.) Dum. Cours. subsp. ***nebrodense*** (Heldr. ex Guss.) Greuter & Burdet
DD *Helianthemum oelandicum* (L.) Dum. Cours. subsp. ***pourretii*** (Timb.-Lagr.) Greuter & Burdet
Helianthemum pilosum (L.) Pers.
Helianthemum salicifolium (L.) Mill.
Helianthemum sanguineum (Lag.) Lag. ex Dunal
E *Helianthemum sicanorum* Brullo, Giusso & Sciandr.
Helianthemum syriacum (Jacq.) Dum. Cours. subsp. ***thibaudii*** (Pers.) Meikle – Note: Possibly extinct in Italy.
Tuberaria acuminata (Viv.) Grosser
Tuberaria guttata (L.) Fourr.

- T ***Tuberaria inconspicua*** (Pers.) Willk.
Tuberaria lignosa (Sweet) Samp.
Tuberaria praecox Grosser
Tuberaria villosissima (Pomel) Grosser
- Cytinaceae
Cytinus hypocistis (L.) L.
Cytinus ruber Fourr. ex Fritsch
- Malvaceae
 Taxonomic references: *Malva* L. (incl. *Lavatera* L.) (Banfi et al. 2005; Molero and Montserrat 2005; Iamónico 2010; Valdés 2011; Conti and Bartolucci 2012; Iamónico et al. 2015).
Althaea cannabina L.
Althaea officinalis L.
Hibiscus pentacarpos L.
Malope malacoides L. subsp. ***malacoides***
Malope malacoides L. subsp. ***tripartita*** (Boiss. & Reut.) Maire
- E ***Malva agrigentina*** (Tineo) Soldano, Banfi & Galasso
Malva alcea L.
Malva arborea (L.) Webb & Berthel.
Malva cretica Cav. subsp. *althaeoides* (Cav.) Bég.
Malva cretica Cav. subsp. ***cretica***
Malva lusitanica (L.) Valdés subsp. ***lusitanica***
- E ***Malva lusitanica*** (L.) Valdés subsp. ***palescens*** (Moris) Valdés
Malva moschata L.
Malva multiflora (Cav.) Soldano, Banfi & Galasso
Malva neglecta Wallr.
Malva nicaeensis All.
Malva olbia (L.) Alef.
Malva oxyloba Boiss.
Malva parviflora L.
Malva punctata (All.) Alef.
Malva pusilla Sm.
Malva setigera K.F.Schimp. & Spenn.
- E ***Malva stenopetala*** (Coss. & Durieu ex Batt.) Soldano, Banfi & Galasso subsp. ***plazzae*** (Atzei) Iamónico, Bartolucci & Peruzzi – Note: For the taxonomy of this taxon, see Iamónico (2014a).
Malva subovata (DC.) Molero & J.M.Monts. subsp. *bicolor* (Rouy) Iamónico
Malva subovata (DC.) Molero & J.M.Monts. subsp. ***subovata*** – Note: For the taxonomy and distribution of this species, see Iamónico (2016a).
Malva sylvestris L.
Malva thuringiaca (L.) Vis.
Malva trimestris (L.) Salisb.
Malva unguiculata (Desf.) Alef.
Tilia cordata Mill.
- T ***Tilia platyphyllos*** Scop. subsp. ***cordifolia*** (Besser) C.K.Schneid.
Tilia platyphyllos Scop. subsp. ***platyphyllos***
- T ***Tilia platyphyllos*** Scop. subsp. ***pseudorubra*** C.K.Schneid.
- Resedaceae
Reseda alba L. subsp. ***alba***
T ***Reseda alba*** L. subsp. ***hookeri*** (Guss.) Arcang.
Reseda lutea L. subsp. ***lutea***
Reseda luteola L.
Reseda phyteuma L. subsp. ***phyteuma***
- DD ***Sesamoides interrupta*** (Boreau) G.López
Sesamoides purpurascens (L.) G.López
Sesamoides spathulifolia (Revelière ex Boreau) Rothm.
- Capparaceae
Capparis orientalis Veill.
Capparis sicula Veill.
Capparis spinosa L. – Note: Probably *C. spinosa* is a species of hybrid origin, involving *C. orientalis* Veill. and *C. sicula* Veill. as parental species (Inocencio et al. 2006).
- Brassicaceae
 Taxonomic references: *Aubrieta* Adans. (Koch et al. 2017); *Erysimum* L. (Peccenini 2012; Peccenini and Polatschek 2014, 2016); *Malcolmia* W.T.Aiton s.str., *Maresia* Pomel, *Marcus-Kochia* Al-Shehbaz, and *Strigosella* Boiss. (Al-Shehbaz et al. 2014).
Aethionema marginatum (Lapeyr.) Montemurro
Aethionema saxatile (L.) R.Br.
Aethionema thomasianum J.Gay
Alliaria petiolata (M.Bieb.) Cavara & Grande
Alyssoides utriculata (L.) Medik. subsp. ***utriculata***
Alyssum alyssoides (L.) L.
- E ***Alyssum cuneifolium*** Ten.
Alyssum desertorum Stapf – Note: For the Italian distribution of this species, see Bertolli and Prosser (2014), Bartolucci and Conti (2016).
- E ***Alyssum diffusum*** Ten. subsp. ***calabricum*** Španiel, Marhold, N.G.Passal. & Lihová
- E ***Alyssum diffusum*** Ten. subsp. ***diffusum***
- E ***Alyssum diffusum*** Ten. subsp. ***garganicum*** Španiel, Marhold, N.G.Passal. & Lihová

- Alyssum doerfleri* Degen – Note: For the distribution and taxonomy of this species, see Bernardo et al. (2018).
Alyssum minutum Schldtl. ex DC.
Alyssum montanum L. – Note: This species is excluded from the Italian flora by Španiel et al. (2011, 2012) and Zozomová-Lihová et al. (2014). Some doubtful populations, previously indicated as *A. montanum*, are provisionally still included here.
Alyssum orophilum Jord. & Fourr.
Alyssum repens Baumg.
Alyssum siculum Jord.
Alyssum simplex Rudolphi
Alyssum strigosum Banks & Sol. subsp. **strigosum**
Alyssum wulfenianum Bernh. subsp. **ovirense** (A.Kern.) Magauer, Schönsw. & Frajman
Alyssum wulfenianum Bernh. subsp. **wulfenianum**
Arabidopsis arenosa (L.) Lawalrée
Arabidopsis halleri (L.) O'Kane & Al-Shehbaz subsp. **halleri**
Arabidopsis halleri (L.) O'Kane & Al-Shehbaz subsp. **ovirensis** (Wulfen) O'Kane & Al-Shehbaz
E *Arabidopsis pedemontana* (Boiss.) O'Kane & Al-Shehbaz
Arabidopsis petraea (L.) V.I.Dorof.
Arabidopsis thaliana (L.) Heynh.
Arabis allionii DC.
Arabis alpina L. subsp. **alpina**
T *Arabis alpina* L. subsp. **caucasica** (Willd.) Briq.
Arabis arabiformis (Hohenw.) Soldano
Arabis auriculata Lam.
Arabis bellidifolia Crantz subsp. **bellidifolia**
Arabis bellidifolia Crantz subsp. **stellulata** (Bertol.) Greuter & Burdet
Arabis caerulea All.
Arabis ciliata Clairv.
Arabis collina Ten. subsp. **collina**
E *Arabis collina* Ten. subsp. **rosea** (DC.) Minuto
Arabis hirsuta (L.) Scop.
ET *Arabis madonia* C.Presl
Arabis nova Vill. subsp. **nova**
Arabis planisiliqua (Pers.) Rchb.
Arabis sagittata (Bertol.) DC.
Arabis serpillifolia Vill.
Arabis soyeri Reut. & A.Huet subsp. **subcoriacea** (Gren.) Breistr.
Arabis surculosa N.Terracc.
Arabis verna (L.) R.Br.
E ***Aubrieta columnae*** Guss. subsp. **columnae**
E ***Aubrieta columnae*** Guss. subsp. **italica** (Boiss.) Mattf.
E ***Aubrieta columnae*** Guss. subsp. **sicula** (Steven) Phitos
Aurinia leucadea (Guss.) K.Koch
Aurinia petraea (Ard.) Schur
Aurinia saxatilis (L.) Desv. subsp. **megalocarpa** (Hausskn.) T.R.Dudley
Aurinia sinuata (L.) Griseb.
Barbarea bracteosa Guss.
Barbarea intermedia Boreau
E ***Barbarea rupicola*** Moris
Barbarea sicula C.Presl
Barbarea stricta Andrż.
Barbarea verna (Mill.) Asch.
Barbarea vulgaris R.Br.
Berteroa incana (L.) DC.
Berteroa mutabilis (Vent.) DC.
Berteroa obliqua (Sm.) DC.
Biscutella ambigua DC.
E ***Biscutella apuana*** Raffaelli
Biscutella brevicaulis Jord.
Biscutella cichoriifolia Loisel.
Biscutella coronopifolia L.
Biscutella didyma L. subsp. **apula** Nyman
Biscutella didyma L. subsp. **didyma**
E ***Biscutella incana*** Ten.
E ***Biscutella laevigata*** L. subsp. **australis** Raffaelli & Baldoin
Biscutella laevigata L. subsp. **laevigata**
E ***Biscutella laevigata*** L. subsp. **lucida** (Balb. ex DC.) Arcang.
E ***Biscutella laevigata*** L. subsp. **ossolana** Raffaelli & Baldoin
E ***Biscutella laevigata*** L. subsp. **prinzerae** Raffaelli & Baldoin
E ***Biscutella laevigata*** L. subsp. **raffaelliana** Galasso & Banfi
E ***Biscutella maritima*** Ten.
E ***Biscutella mollis*** Loisel.
E ***Biscutella morisiana*** Raffaelli
E ***Biscutella pichiana*** Raffaelli subsp. **ilvensis** Raffaelli
E ***Biscutella pichiana*** Raffaelli subsp. **pichiana**
E ***Biscutella prealpina*** Raffaelli & Baldoin
Bivonaea lutea (Biv.) DC.
E ***Brassica baldensis*** (Prosser & Bertolli) Prosser & Bertolli
Brassica fruticulosa Cirillo subsp. **fruticulosa**
E ***Brassica glabrescens*** Poldini

- Brassica gravinae* Ten.
Brassica incana Ten.
Brassica insularis Moris
E *Brassica macrocarpa* Guss.
Brassica montana Pourr.
C *Brassica nigra* (L.) W.D.J.Koch
Brassica procumbens (Poir.) O.E.Schulz
Brassica rapa L. subsp. **campestris** (L.) A.R.Clapham
Brassica repanda (Willd.) DC.
E *Brassica rupestris* Raf. subsp. **hispida** Raimondo & Mazzola
E *Brassica rupestris* Raf. subsp. **rupestris**
Brassica souliei (Batt.) Batt. subsp. **amplexicaulis** (Desf.) Greuter & Burdet
Brassica tournefortii Gouan
E *Brassica trichocarpa* C.Brullo, Brullo, Giusso, Ilardi
E *Brassica tyrrhena* Giotta, Piccitto & Arrigoni
E *Brassica villosa* Biv. subsp. **bivonana** (Mazzola & Raimondo) Raimondo & Mazzola
E *Brassica villosa* Biv. subsp. **brevisiliqua** (Raimondo & Mazzola) Raimondo & Geraci
E *Brassica villosa* Biv. subsp. **drepanensis** (Caruel) Raimondo & Mazzola
E *Brassica villosa* Biv. subsp. **tineoi** (Lojac.) Raimondo & Mazzola
E *Brassica villosa* Biv. subsp. **villosa**
Braya alpina Sternb. & Hoppe
Bunias erucago L.
Cakile maritima Scop. subsp. **maritima**
Calepina irregularis (Asso) Thell.
DD *Camelina alyssum* (Mill.) Thell. subsp. **alyssum** – Note: Possibly extinct in Italy.
Camelina alyssum (Mill.) Thell. subsp. **integerrima** (Čelak.) Smejkal
Camelina microcarpa Andr. ex DC.
Camelina sativa (L.) Crantz
Capsella bursa-pastoris (L.) Medik. subsp. **bursa-pastoris**
T *Capsella rubella* Reut.
Cardamine alpina Willd.
Cardamine amara L. subsp. **amara**
Cardamine amara L. subsp. **austriaca** Marhold
Cardamine amporitana Sennen & Pau
E *Cardamine apennina* Lihová & Marhold
Cardamine asarifolia L.
E *Cardamine battagliae* Cesca & Peruzzi
Cardamine bulbifera (L.) Crantz
Cardamine chelidonia L.
E *Cardamine dubia* Nicotra
Cardamine enneaphyllos (L.) Crantz
Cardamine flexuosa With.
Cardamine glauca Spreng. ex DC. subsp. **glauca**
Cardamine graeca L.
E *Cardamine granulosa* All.
Cardamine heptaphylla (Vill.) O.E.Schulz
Cardamine hirsuta L.
Cardamine impatiens L. subsp. **impatiens**
Cardamine kitaibelii Bech.
Cardamine matthioli Moretti
E *Cardamine monteluccii* Brilli-Catt. & Gubellini
Cardamine parviflora L.
Cardamine pentaphyllos (L.) Crantz
Cardamine plumieri Vill.
Cardamine pratensis L.
Cardamine resedifolia L.
E *Cardamine silana* Marhold & Perný
Cardamine trifolia L.
Carrichtera annua (L.) DC.
Clypeola jonthlaspi L.
Coincya monensis (L.) Greuter & Burdet subsp. **cheiranthos** (Franco) Aedo, Leadlay & Muñoz Garm.
Coincya richeri (Vill.) Greuter & Burdet
Conringia austriaca (Jacq.) Sweet
Crambe hispanica L.
Crambe tataria Sebeók
Descurainia sophia (L.) Webb ex Prantl
Diplotaxis eruroides (L.) DC. subsp. **eruroides**
Diplotaxis harra (Forssk.) Boiss. subsp. **crassifolia** (Raf.) Maire
Diplotaxis muralis (L.) DC.
E *Diplotaxis scaposa* DC.
Diplotaxis tenuifolia (L.) DC.
Diplotaxis viminea (L.) DC.
Draba aizoides L. subsp. **aizoides**
Draba aspera Bertol.
Draba dolomitica Buttler
Draba dubia Suter subsp. **dubia**
Draba fladnizensis Wulfen
Draba hoppeana Rchb.

- Draba ladina* Braun-Blanq.
Draba nemorosa L.
Draba siliquosa M.Bieb.
Draba stylaris J.Gay ex W.D.J.Koch
Draba tomentosa Clairv. subsp. **tomentosa**
E *Draba turgida* É.Huet & A.Huet ex Ces., Pass. & Gibelli
T *Draba verna* L. subsp. **praecox** (Steven) Rouy & Foucaud
T *Draba verna* L. subsp. **spathulata** (Láng) Rouy & Foucaud
Draba verna L. subsp. **verna**
Drabella muralis (L.) Fourn.
C *Eruca vesicaria* (L.) Cav.
Erucastrum gallicum (Willd.) O.E.Schulz
E *Erucastrum nasturtiifolium* (Poir.) O.E.Schulz subsp. **benacense** F.Martini & F.Fen.
Erucastrum nasturtiifolium (Poir.) O.E.Schulz subsp. **nasturtiifolium**
E *Erucastrum palustre* (Pirona) Vis.
E *Erucastrum virgatum* C.Presl subsp. **virgatum**
E *Erysimum apenninum* Peccenini & Polatschek
E *Erysimum aurantiacum* (Leyb.) Leyb.
E *Erysimum bonannianum* C.Presl
E *Erysimum brulloi* G.Ferro
Erysimum burnatii G.Vidal
Erysimum collisparsum Jord.
Erysimum crassistylum C.Presl subsp. **crassistylum**
E *Erysimum crassistylum* C.Presl subsp. **garganicum** Peccenini & Polatschek
E *Erysimum crassistylum* C.Presl subsp. **verresianum** Peccenini & Polatschek
E *Erysimum etnense* Jord.
E *Erysimum etruscum* Peccenini & Polatschek
E *Erysimum insubricum* Peccenini & Polatschek
Erysimum jugicola Jord.
E *Erysimum ligusticum* Peccenini & Polatschek
E *Erysimum majellense* Polatschek
E *Erysimum maremmanum* Peccenini & Polatschek
E *Erysimum metlesicsii* Polatschek
E *Erysimum montis-argentarii* Peccenini & Polatschek
Erysimum odoratum Ehrh.
E *Erysimum pignattii* Peccenini & Polatschek
E *Erysimum pseudorhaeticum* Polatschek
Erysimum rhaeticum (Schleich. ex Hornem.) DC.
Erysimum sylvestre (Crantz) Scop.
Erysimum virgatum Roth
Fibigia clypeata (L.) Medik. subsp. **clypeata**
Fourraea alpina (L.) Greuter & Burdet
Hesperis inodora L.
E *Hesperis laciniata* All. subsp. **cupaniana** (Guss.) Giardina & Raimondo
Hesperis laciniata All. subsp. **laciniata**
Hesperis matronalis L. subsp. **matronalis**
T *Hesperis matronalis* L. subsp. **nivea** (Baumg.) E.P.Perrier
Hirschfeldia incana (L.) Lagr.-Foss. subsp. **incana**
Hornathophylla ligustica (Breistr.) Španiel, Al-Shehbaz, D.A.German & Marhold
Hornungia alpina (L.) O.Appel subsp. **alpina**
Hornungia alpina (L.) O.Appel subsp. **austroalpina** (Trpin) O.Appel
Hornungia alpina (L.) O.Appel subsp. **brevicaulis** (Spreng.) O.Appel
Hornungia pauciflora (W.D.J.Koch) Soldano, F.Conti, Banfi & Galasso
Hornungia petraea (L.) Rchb. subsp. **petraea**
Hornungia procumbens (L.) Hayek
Hugueninia tanacetifolia (L.) Rchb. subsp. **tanacetifolia**
E *Iberis aurosica* Chaix subsp. **nana** (All.) Moreno
E *Iberis integerrima* Moris
Iberis linifolia L. subsp. **linifolia**
Iberis linifolia L. subsp. **stricta** (Jord.) P.Fourn.
Iberis pinnata L.
Iberis saxatilis L. subsp. **saxatilis**
Iberis semperflorens L.
Iberis sempervirens L.
Iberis umbellata L.
Iberis violacea R.Br.
Ihsanalshehbazia granatensis (Boiss. & Reut.) Tahir Ali & Thines
Ionopsidium albiflorum Durieu
Ionopsidium savianum (Caruel) Arcang.
Isatis apennina Ten. ex Grande
T *Isatis praecox* Kit. ex Tratt.
ET *Isatis raimondoii* Di Grist., Scafidi & Domina
Kerneria saxatilis (L.) Sweet subsp. **saxatilis**
Lepidium campestre (L.) R.Br.
Lepidium coronopus (L.) Al-Shehbaz
Lepidium draba L. subsp. **draba**
Lepidium graminifolium L. subsp. **graminifolium**
Lepidium hirtum (L.) Sm. subsp. **hirtum**

- Lepidium hirtum* (L.) Sm. subsp. **nebrodense** (Raf.) Thell.
Lepidium latifolium L.
Lepidium ruderale L.
Lepidium villarsii Gren. & Godr. subsp. **villarsii**
Lobularia libyca (Viv.) Meisn.
Lobularia maritima (L.) Desv.
Lunaria annua L.
Lunaria rediviva L.
Malcolmia flexuosa (Sm.) Sm.
Malcolmia maritima (L.) W.T.Aiton
Malcolmia orsiniana (Ten.) Ten. subsp. **orsiniana**
Marcus-kochia littorea (L.) Al-Shehbaz
Marcus-kochia ramosissima (Desf.) Al-Shehbaz
Maresia nana (DC.) Batt.
Matthiola fruticulosa (L.) Maire subsp. **coronopifolia** (Sm.) Giardina & Raimondo
Matthiola fruticulosa (L.) Maire subsp. **fruticulosa**
Matthiola fruticulosa (L.) Maire subsp. **valesiaca** (Boiss.) P.W.Ball
Matthiola incana (L.) W.T.Aiton subsp. **incana**
E *Matthiola incana* (L.) W.T.Aiton subsp. **pulchella** (Conti) Greuter & Burdet
E *Matthiola incana* (L.) W.T.Aiton subsp. **rupestris** (Raf.) Nyman
Matthiola sinuata (L.) W.T.Aiton
Matthiola tricuspida (L.) R.Br.
Microthlaspi perfoliatum (L.) F.K.Mey.
Moricandia arvensis (L.) DC.
Moricandia longirostris Pomel
E *Morisia monanthos* (Viv.) Asch.
Murbeckiella pinnatifida (Lam.) Rothm.
Murbeckiella zanonii (Ball) Rothm.
Myagrum perfoliatum L.
Nasturtium microphyllum (Boenn.) Rchb.
Nasturtium officinale R.Br.
Nasturtium sterile (Airy Shaw) Oefelein
Neslia paniculata (L.) Desv. subsp. **paniculata**
Neslia paniculata (L.) Desv. subsp. **thracica** (Velen.) Bornm.
Noccaea brachypetala (Jord.) F.K.Mey.
Noccaea brevistyla (DC.) Steud.
Noccaea caerulescens (J.Presl & C.Presl) F.K.Mey.
Noccaea cepaeifolia (Wulfen) Rchb.
Noccaea corymbosa (J.Gay) F.K.Mey.
Noccaea limosellifolia (Reut. ex Burnat) F.K.Mey.
Noccaea minima (Ard.) F.K.Mey.
Noccaea montana (L.) F.K.Mey.
Noccaea praecox (Wulfen) F.K.Mey.
Noccaea rotundifolia (L.) Moench
DD *Noccaea salisii* (Brügger) F.K.Mey.
E *Noccaea stylosa* (Ten.) Rchb.
Noccaea sylvia (Gaudin) F.K.Mey.
E *Noccaea torreana* (Ten.) Bartolucci, Galasso & Peruzzi
Noccaea virens (Jord.) F.K.Mey.
Odontarrhena alpestris (L.) Ledeb.
E *Odontarrhena argentea* (All.) Ledeb.
E *Odontarrhena bertolonii* (Desv.) Jord. & Fourr.
E *Odontarrhena nebrodensis* (Tineo) L.Cecchi & Selvi subsp. **nebrodensis**
E *Odontarrhena tavolarae* (Briq.) L.Cecchi & Selvi
Petrocallis pyrenaica (L.) R.Br.
E *Phyllolepidium rupestre* (Sweet) Trinajstić
Pseudoturritis turrita (L.) Al-Shehbaz
Raphanus raphanistrum L. subsp. **landra** (Moretti ex DC.) Bonnier & Layens
Raphanus raphanistrum L. subsp. **raphanistrum**
Rapistrum rugosum (L.) All.
E *Rhizobotrya alpina* Tausch – Note: For a history of this name, see Villani et al. (2015).
Rorippa amphibia (L.) Besser
Rorippa islandica (Oeder) Borbás
Rorippa lippizensis (Wulfen) Rchb.
Rorippa palustris (L.) Besser
Rorippa prostrata (J.P.Bergeret) Schinz & Thell.
Rorippa pyrenaica (All.) Rchb.
Rorippa sylvestris (L.) Besser subsp. **sylvestris**
Sinapis alba L. subsp. **alba**
T *Sinapis alba* L. subsp. **dissecta** (Lag.) Bonnier
T *Sinapis alba* L. subsp. **mairi** (H.Lindb.) Maire
Sinapis arvensis L. subsp. **arvensis**
Sinapis pubescens L. subsp. **pubescens**
E *Sisymbrella dentata* (L.) O.E.Schulz – Note: For the typification of this name, see Peruzzi et al. (2013c).
Sisymbrium altissimum L.
Sisymbrium austriacum Jacq. subsp. **austriacum**
Sisymbrium erysimoides Desf.
Sisymbrium irio L.

- Sisymbrium officinale* (L.) Scop.
C *Sisymbrium orientale* L.
Sisymbrium polyceratium L.
Sisymbrium strictissimum L.
Strigosella africana (L.) Botsch.
Succowia balearica (L.) Medik.
Teesdalia coronopifolia (J.P.Bergeret) Thell.
Teesdalia nudicaulis (L.) R.Br.
Thlaspi alliaceum L.
Thlaspi arvense L.
Turritis glabra L.
- Loranthaceae
Loranthus europaeus Jacq.
- Santalaceae
Arceuthobium oxycedri (DC.) M.Bieb.
Osyris alba L.
Thesium alpinum L.
Thesium arvense Horv.
Thesium bavarum Schrank
Thesium ebracteatum Hayne
Thesium humifusum DC.
E *Thesium italicum* A.DC.
Thesium linophyllum L.
Thesium parnassi A.DC.
Thesium pyrenaicum Pourr. subsp. **grandiflorum** (DC.) Hendrych
Thesium pyrenaicum Pourr. subsp. **pyrenaicum**
Thesium rostratum Mert. & W.D.J.Koch
E *Thesium sommierii* Hendrych
Viscum album L. subsp. **abietis** (Wiesb.) Abrom.
Viscum album L. subsp. **album**
Viscum album L. subsp. **austriacum** (Wiesb.) Vollm.
- Plumbaginaceae
Taxonomic references: *Armeria* Willd. (Arrigoni 2015).
Armeria alpina Willd.
ET *Armeria arenaria* (Pers.) Schult. subsp. **apennina** Arrigoni
Armeria arenaria (Pers.) Schult. subsp. **arenaria**
ET *Armeria arenaria* (Pers.) Schult. subsp. **marginata** (Lievier) Arrigoni
E *Armeria aspromontana* Brullo, Scelsi & Spamp.
E *Armeria brutia* Brullo, Gangale & Uzunov
E *Armeria denticulata* (Bertol.) DC.
E *Armeria garganica* Arrigoni
E *Armeria gracilis* Ten. subsp. **gracilis**
ET *Armeria gracilis* Ten. subsp. **majellensis** (Boiss.) Arrigoni
E *Armeria gussonei* Boiss.
E *Armeria helodes* F.Martini & Poldini
E *Armeria macropoda* Boiss.
E *Armeria morisii* Boiss.
E *Armeria nebrodensis* (Guss.) Boiss.
Armeria pungens (Link) Hoffmanns. & Link
E *Armeria sardoa* Spreng. subsp. **genargentea** Arrigoni
E *Armeria sardoa* Spreng. subsp. **sardoa**
E *Armeria saviana* Selvi
E *Armeria sulcitana* Arrigoni
E *Goniolimon italicum* Tammaro, Pignatti & Frizzi – Note: For the biology and distribution of this species, see Conti et al. (2008) and Morretti et al. (2015).
Limoniastrum monopetalum (L.) Boiss.
E *Limonium acutifolium* (Rchb.) Salmon subsp. **acutifolium**
E *Limonium acutifolium* (Rchb.) Salmon subsp. **bosanum** (Arrigoni & Diana) Arrigoni
E *Limonium acutifolium* (Rchb.) Salmon subsp. **cornusianum** (Arrigoni & Diana) Arrigoni
E *Limonium acutifolium* (Rchb.) Salmon subsp. **nymphaeum** (Erben) Arrigoni
E *Limonium acutifolium* (Rchb.) Salmon subsp. **tenuifolium** (Bertol. ex Moris) Arrigoni
E *Limonium acutifolium* (Rchb.) Salmon subsp. **tharrosianum** (Arrigoni & Diana) Arrigoni
E *Limonium aegusae* Brullo
E *Limonium albidum* (Guss.) Pignatti
E *Limonium algusae* (Brullo) Greuter
E *Limonium ampuriense* Arrigoni & Diana
E *Limonium amynclaeum* Pignatti
E *Limonium apulum* Brullo
Limonium avei (De Not.) Brullo & Erben
Limonium bellidifolium (Gouan) Dumort.
E *Limonium bocconeii* (Lojac.) Litard.
E *Limonium brutium* Brullo
E *Limonium calabrum* Brullo
E *Limonium calcarae* (Tod. ex Janka.) Pignatti

- E *Limonium capitis-eliae* Erben
 E *Limonium capitis-marci* Arrigoni & Diana
 E *Limonium caprariae* Rizzotto
 E *Limonium carisae* Erben
 E *Limonium catanense* (Tineo ex Lojac.) Brullo – Note: Extinct (Rossi et al. 2013).
 E *Limonium catanzaroi* Brullo
 E *Limonium circaei* Pignatti
 E *Limonium contortirameum* (Mabille) Erben
 E *Limonium cophanense* C.Brullo, Brullo, Cambria, Giusso & Ilardi
 E *Limonium coralliforme* Alf.Mayer
 E *Limonium cordatum* (L.) Mill.
 E *Limonium cosyrense* (Guss.) Kuntze
 E *Limonium cumanum* (Ten.) Kuntze
 E *Limonium cunicularium* Arrigoni & Diana
 E *Limonium densiflorum* (Guss.) Kuntze
 E *Limonium densissimum* (Pignatti) Pignatti
 E *Limonium diomedeam* Brullo
 E *Limonium divaricatum* (Rouy) Brullo
 E *Limonium dolcheri* Pignatti
 E *Limonium doriae* (Sommier) Pignatti
 E *Limonium dubium* (Andrews ex Guss.) Litard.
 E *Limonium echioides* (L.) Mill.
 E *Limonium etruscum* Arrigoni & Rizzotto
 E *Limonium flagellare* (Lojac.) Brullo
 E *Limonium furnarii* Brullo
 E *Limonium gallurensis* Arrigoni & Diana
 E *Limonium glomeratum* (Tausch) Erben
 E *Limonium gorgonae* Pignatti
 E *Limonium hermaeum* (Pignatti) Pignatti
 E *Limonium hyblaeum* Brullo
 E *Limonium ilvae* Pignatti
 E *Limonium inarimense* (Guss.) Pignatti
 E *Limonium insulare* (Bég. & Landi) Arrigoni & Diana
 E *Limonium intermedium* (Guss.) Brullo – Note: Extinct in the wild. At present, some individuals of *L. intermedium* survive in the Botanical Garden of Catania, grown from seeds sampled in the field about 40 years ago (Rossi et al. 2013; Domina et al. 2015).
 E *Limonium ionicum* Brullo
 E *Limonium jankae* (Lojac.) Giardina & Raimondo
 E *Limonium japygicum* (E.Groves) Pignatti ex Pignatti, Galasso & Nicoletta
 E *Limonium lacinium* Arrigoni
 E *Limonium laetum* (Nyman) Pignatti
 E *Limonium lausianum* Pignatti
 E *Limonium lilybaeum* Brullo
 E *Limonium lojaconoi* Brullo
 E *Limonium lopadusanum* Brullo
 E *Limonium malfatanicum* Erben
 E *Limonium mazarae* Pignatti
 E *Limonium melancholicum* Brullo, Marcenò & S.Romano
 E *Limonium merxmulleri* Erben subsp. *merxmulleri*
 E *Limonium merxmulleri* Erben subsp. *oristanum* (Alf.Mayer) Arrigoni
 E *Limonium merxmulleri* Erben subsp. *sulcitanum* (Arrigoni) Arrigoni
 E *Limonium merxmulleri* Erben subsp. *tigulianum* (Arrigoni & Diana) Arrigoni
 E *Limonium minutiflorum* (Guss.) Kuntze
 E *Limonium morisianum* Arrigoni
 E *Limonium multifforme* Pignatti
 E *Limonium multifurcatum* Erben
 E *Limonium narbonense* Mill.
 E *Limonium optimae* Raimondo
 E *Limonium opulentum* (Lojac.) Brullo
 E *Limonium pachynense* Brullo
 E *Limonium pandatariae* Pignatti
 E *Limonium panormitanum* (Tod.) Pignatti
 E *Limonium parvifolium* (Tineo) Pignatti
 E *Limonium pavonianum* Brullo
 E *Limonium peucetium* Pignatti – Note: Possibly extinct (Rossi et al. 2013).
 E *Limonium planesiae* Pignatti
 E *Limonium poimenum* Ilardi, Brullo, D.Cusimano & Giusso
 E *Limonium pontium* Pignatti
 E *Limonium ponzoii* (Fiori) Brullo
 E *Limonium protohermaeum* Arrigoni & Diana
 E *Limonium pseudolaetum* Arrigoni & Diana
 E *Limonium pulviniforme* Arrigoni & Diana
 E *Limonium racemosum* (Lojac.) Diana
 E *Limonium ramosissimum* (Poir.) Maire
 E *Limonium remotispiculum* (Lacaita) Pignatti
 E *Limonium retirameum* Greuter & Burdet subsp. *caralitanum* Arrigoni
 E *Limonium retirameum* Greuter & Burdet subsp. *retirameum*
 E *Limonium secundirameum* (Lojac.) Brullo
 E *Limonium selinuntinum* Brullo

- E *Limonium sibthorpiatum* (Guss.) Kuntze
Limonium sinuatum (L.) Mill.
- E *Limonium sommierianum* (Fiori) Arrigoni
E *Limonium strictissimum* (Salzm.) Arrigoni
E *Limonium syracusanum* Brullo
E *Limonium tauromenitanum* Brullo
E *Limonium tenoreanum* (Guss.) Pignatti – Note: For the taxonomy and distribution of this species, see Iamonico et al. (2017).
E *Limonium tenuiculm* (Tineo ex Guss.) Pignatti
E *Limonium tibulatium* Pignatti
E *Limonium tineoi* (Lojac.) Giardina & Raimondo
E *Limonium todaroanum* Raimondo & Pignatti
E *Limonium tyrrenicum* Arrigoni & Diana
E *Limonium ursanum* Erben
E *Limonium usticanum* Giardina & Raimondo
E *Limonium viniolae* Arrigoni & Diana
Limonium virgatum (Willd.) Fourr.
Myriolimon ferulaceum (L.) Lledó, Erben & M.B.Crespo
Plumbago europaea L.
- Polygonaceae
Taxonomic references: *Persicaria* (L.) Mill. (Galasso et al. 2014).
Bistorta officinalis Delarbre
Bistorta vivipara (L.) Delarbre
Fallopia convolvulus (L.) Á.Löve
Fallopia dumetorum (L.) Holub
Koenigia alpina (All.) T.M.Schust. & Reveal – Note: According to Schuster et al. (2015), the genus *Aconogonon* (Meisn.) Rchb. is nested within *Koenigia* L.
Oxyria digyna (L.) Hill
Persicaria amphibia (L.) Delarbre
Persicaria decipiens (R.Br.) K.L.Wilson
Persicaria dubia (Stein.) Fourr.
Persicaria hydropiper (L.) Delarbre
- DD *Persicaria lapathifolia* (L.) Delarbre subsp. *brittingeri* (Opiz) Soják
Persicaria lapathifolia (L.) Delarbre subsp. *lapathifolia*
Persicaria lapathifolia (L.) Delarbre subsp. *pallida* (With.) Á.Löve
Persicaria maculosa Gray
Persicaria minor (Huds.) Opiz
Polygonum arenarium Waldst. & Kit. subsp. *pulchellum* (Loisel.) Thell.
Polygonum arenastrum Boreau
Polygonum aviculare L. subsp. *aviculare*
Polygonum bellardii All.
Polygonum equisetiforme Sm.
Polygonum maritimum L.
Polygonum robertii Loisel.
Polygonum romanum Jacq.
Polygonum rurivagum Jord. ex Boreau
- E *Polygonum scoparium* Req. ex Loisel.
E *Polygonum tenorei* C.Presl
Rumex acetosa L. subsp. *acetosa*
Rumex acetosella L. subsp. *acetosella*
Rumex acetosella L. subsp. *acetoselloides* (Balansa) Den Nijs
Rumex acetosella L. subsp. *multifidus* (L.) Schübl. & G.Martens
Rumex acetosella L. subsp. *pyrenaicus* (Pourr. ex Lapeyr.) Akeroyd
Rumex alpinus L.
Rumex aquaticus L.
Rumex arifolius All.
Rumex bucephalophorus L. subsp. *bucephalophorus*
Rumex bucephalophorus L. subsp. *gallicus* (Steinh.) Rech.f.
Rumex confertus Willd.
Rumex conglomeratus Murray
Rumex crispus L.
- C *Rumex cristatus* DC.
C *Rumex dentatus* L.
Rumex hydrolapathum Huds.
Rumex intermedius DC.
Rumex maritimus L.
Rumex nebroides Campd.
Rumex nepalensis Spreng.
Rumex obtusifolius L. subsp. *obtusifolius*
Rumex obtusifolius L. subsp. *sylvestris* (Wallr. ex Becker) Čelak.
Rumex obtusifolius L. subsp. *transiens* (Simonk.) Rech.f.
Rumex palustris Sm.
Rumex pulcher L. subsp. *pulcher*
- E *Rumex pulcher* L. subsp. *suffocatus* (Moris ex Bertol.) Nyman
Rumex pulcher L. subsp. *woodsii* (De Not.) Arcang.
Rumex sanguineus L.
- ET *Rumex scutatus* L. subsp. *aetnensis* (C.Presl) Cif. & Giacom.
ET *Rumex scutatus* L. subsp. *glaucescens* (Guss.) Brullo, Scelsi & Spamp.
Rumex scutatus L. subsp. *scutatus*

Rumex spinosus L. – Note: According to Schuster et al. (2015), the genus *Emex* Neck. ex Campd. is nested within *Rumex* L.

Rumex thyrsoides Desf.

Rumex tuberosus L. subsp. **tuberosus**

Droseraceae

Aldrovanda vesiculosa L. – Note: Extinct in Italy (Rossi et al. 2013).

Drosera anglica Huds.

Drosera intermedia Hayne

Drosera rotundifolia L.

Frankeniaceae

Frankenia hirsuta L.

Frankenia laevis L. subsp. **laevis**

Frankenia pulverulenta L. subsp. **pulverulenta**

Tamaricaceae

Myricaria germanica (L.) Desv.

Reaumuria vermiculata L.

Tamarix africana Poir.

Tamarix arborea Ehrenb. ex Bunge

Tamarix canariensis Willd.

Tamarix dalmatica Baum

Tamarix gallica L.

Tamarix hampeana Boiss. & Heldr.

C *Tamarix tetragyna* Ehrenb.

Caryophyllaceae

Taxonomic references: *Polycarpon tetraphyllum* (L.) L. (Iamonico and Domina 2015); *Spergula* L. and *Spergularia* (Pers.) J.Presl & C.Presl (Kool and Thulin 2017); *Cherleria* L., *Facchinia* Rchb., *Sabulina* Rchb., *Mcneillia* Dillenb. & Kadereit, and *Minuartia* L. s.str. (Bartolucci et al. 2014a; Dillenberger and Kadereit 2014, 2015; Iamonico 2016b; Moore and Dillenberger 2017).

Arenaria aggregata (L.) Loisel. subsp. **aggregata**

Arenaria balearica L.

E *Arenaria bertolonii* Fiori – Note: For the taxonomy and distribution of this species, see Iamonico (2013a).

Arenaria biflora L.

DD *Arenaria ciliata* L. subsp. **bernensis** Favarger

Arenaria ciliata L. subsp. **ciliata**

Arenaria gothica Fr. subsp. **moehringioides** (Murr) M.B.Wyse Jacks. & J.Parn.

Arenaria grandiflora L. subsp. **grandiflora**

E *Arenaria huteri* A.Kern.

Arenaria leptoclados (Rchb.) Guss. subsp. **leptoclados**

Arenaria marschlinii W.D.J.Koch

Arenaria montana L. subsp. **intricata** (Ser.) Pau

Arenaria serpyllifolia L. subsp. **serpyllifolia**

Atocion armeria (L.) Raf.

Atocion rupestre (L.) Oxelman

Bufonia paniculata Dubois ex Delarbr.

Bufonia tenuifolia L.

Cerastium alpinum L.

E *Cerastium apuanum* Parl.

Cerastium arvense L. subsp. **arvense**

Cerastium arvense L. subsp. **strictum** Gaudin

Cerastium arvense L. subsp. **suffruticosum** (L.) Ces.

Cerastium boissierianum Greuter & Burdet

Cerastium brachypetalum Desp. ex Pers. subsp. **brachypetalum**

Cerastium brachypetalum Desp. ex Pers. subsp. **roeseri** (Boiss. & Heldr.) Nyman

Cerastium brachypetalum Desp. ex Pers. subsp. **tenoreanum** (Ser.) Soó

Cerastium carinthiacum Vest subsp. **austroalpinum** (Kunz) Janch.

Cerastium carinthiacum Vest subsp. **carinthiacum**

Cerastium cerastoides (L.) Britton

Cerastium diffusum Pers. subsp. **diffusum**

Cerastium diffusum Pers. subsp. **gussonei** (Lojac.) P.D.Sell & Whitehead

Cerastium dubium (Bastard) Guépin

Cerastium fontanum Baumg.

Cerastium glomeratum Thuill.

Cerastium glutinosum Fr.

E *Cerastium granulatum* (Huter, Porta & Rigo) Porta

Cerastium holosteoides Fr.

E *Cerastium lacaitae* Barberis, Bechi & Miceli

Cerastium latifolium L.

Cerastium ligusticum Viv.

Cerastium lineare All.

Cerastium lucorum (Schur) Möschl

E *Cerastium palustre* Moris

Cerastium pedunculatum Gaudin

Cerastium pentandrum L.

E *Cerastium pospichalii* Soldano & F.Conti

Cerastium pumilum Curtis

E *Cerastium scaranoi* Ten.

- Cerastium semidecandrum* L.
Cerastium siculum Guss.
Cerastium subtriflorum (Rchb.) Pacher
E *Cerastium supramontanum* Arrigoni
Cerastium sylvaticum Waldst. & Kit.
E *Cerastium thomasii* Ten.
E *Cerastium tomentosum* L.
Cerastium uniflorum Clairv.
E *Cerastium utriense* Barberis
Chaetonychia cymosa (L.) Sweet
Cherleria biflora (L.) A.J.Moore & Dillenb.
Cherleria capillacea (All.) A.J.Moore & Dillenb.
Cherleria laricifolia (L.) Iamonico subsp. *laricifolia*
ET *Cherleria laricifolia* (L.) Iamonico subsp. *ophiolitica* (Pignatti) Iamonico
Cherleria sedoides L.
Corrigiola litoralis L. subsp. *litoralis*
Corrigiola telephiiifolia Pourr.
Dianthus armeria L. subsp. *armeria*
Dianthus arrostii C.Presl
Dianthus balbisii Ser. subsp. *balbisii*
T *Dianthus balbisii* Ser. subsp. *liburnicus* (Bartl.) Pignatti
Dianthus barbatus L. subsp. *barbatus*
T *Dianthus barbatus* L. subsp. *compactus* (Kit.) Heuff.
E *Dianthus borbonicus* Brullo, C.Brullo, Colombo, Giusso, Ilardi & R.Perrone
E *Dianthus brachycalyx* A.Huet & É.Huet ex Bacch., Brullo, Casti & Giusso
ET *Dianthus brutius* Brullo, Scelsi & Spamp. subsp. *brutius*
ET *Dianthus brutius* Brullo, Scelsi & Spamp. subsp. *pentadactyli* Brullo, Scelsi & Spamp.
E *Dianthus busambrae* Soldano & F.Conti
T *Dianthus carthusianorum* L. subsp. *atrorubens* (All.) Pers.
Dianthus carthusianorum L. subsp. *carthusianorum*
E *Dianthus carthusianorum* L. subsp. *tenorei* (Lacaita) Pignatti
Dianthus ciliatus Guss. subsp. *ciliatus*
E *Dianthus cyatophorus* Moris subsp. *cyatophorus*
E *Dianthus cyatophorus* Moris subsp. *minae* (Mazzola, Raimondo, Ilardi) Raimondo
Dianthus deltoides L. subsp. *deltoides*
E *Dianthus furcatus* Balb. subsp. *dissimilis* (Burnat) Pignatti
Dianthus furcatus Balb. subsp. *furcatus*
E *Dianthus furcatus* Balb. subsp. *lereschii* (Burnat) Pignatti
E *Dianthus gasparrinii* Guss.
E *Dianthus genargenteus* Bacch., Brullo, Casti & Giusso
Dianthus glacialis Haenke subsp. *glacialis*
E *Dianthus graminifolius* C.Presl
E *Dianthus guliae* Janka
Dianthus hyssopifolius L.
E *Dianthus ichnusae* Bacch., Brullo, Casti & Giusso subsp. *ichnusae*
E *Dianthus ichnusae* Bacch., Brullo, Casti & Giusso subsp. *toddei* Bacch., Brullo, Casti & Giusso
E *Dianthus insularis* Bacch., Brullo, Casti & Giusso
E *Dianthus japigicus* Bianco & Brullo
Dianthus longicaulis Ten.
E *Dianthus morisianus* Vals.
E *Dianthus mossanus* Bacch. & Brullo
E *Dianthus oliastreae* Bacch., Brullo, Casti & Giusso
Dianthus pavonius Tausch
E *Dianthus rupicola* Biv. subsp. *aeolicus* (Lojac.) Brullo & Miniss.
E *Dianthus rupicola* Biv. subsp. *lopadusanus* Brullo & Miniss.
Dianthus rupicola Biv. subsp. *rupicola*
Dianthus sanguineus Vis.
E *Dianthus sardous* Bacch., Brullo, Casti & Giusso
Dianthus seguieri Vill. subsp. *seguieri*
Dianthus siculus C.Presl
Dianthus sternbergii Sieber ex Capelli
T *Dianthus superbus* L. subsp. *alpestris* (R.Uechtr.) Kablík. ex Čelak.
Dianthus superbus L. subsp. *superbus*
Dianthus sylvestris Wulfen subsp. *sylvestris*
T *Dianthus sylvestris* Wulfen subsp. *tergestinus* (Rchb.) Hayek
E *Dianthus tarentinus* Lacaita
Dianthus tripunctatus Sm.
E *Dianthus virgatus* Pasq.
ET *Dianthus vulturius* Guss. & Ten. subsp. *aspromontanus* Brullo, Scelsi & Spamp.
E *Dianthus vulturius* Guss. & Ten. subsp. *vulturius*
Drypis spinosa L. subsp. *jacquiniana* Wettst. & Murb.
Drypis spinosa L. subsp. *spinosa*
Eudianthe coeli-rosa (L.) Endl.
Eudianthe laeta Rchb. ex Willk.
Facchinia cherlerioides (Sieber) Dillenb. & Kadereit subsp. *cherlerioides*
E *Facchinia grignensis* (Rchb.) Dillenb. & Kadereit
Facchinia hernarioides (Rion) Dillenb. & Kadereit
Facchinia lanceolata (All.) Rchb.

- Facchinia rupestris* (Scop.) Dillenb. & Kadereit
 E *Gypsophila arrostii* Guss. subsp. **arrostii**
 E *Gypsophila papillosa* Porta
Gypsophila repens L.
Heliosperma alpestre (Jacq.) Griseb.
Heliosperma pusillum (Waldst. & Kit.) Rchb. subsp. **pubibundum** (Hoffmanns.) Gutermann
Heliosperma pusillum (Waldst. & Kit.) Rchb. subsp. **pusillum**
Herniaria alpina Chaix
 E *Herniaria bornmuelleri* Chaudhri
Herniaria cinerea DC.
 E *Herniaria fontanesii* Gay subsp. **empedocleana** (Lojac.) Brullo – Note: Extinct (Rossi et al. 2013).
Herniaria glabra L. subsp. **glabra**
Herniaria glabra L. subsp. **nebrodensis** Jan ex Nyman
 E *Herniaria hirsuta* L. subsp. **aprutia** Chaudhri
Herniaria hirsuta L. subsp. **hirsuta**
Herniaria incana Lam.
 E *Herniaria litardierei* (Gamisans) Greuter & Burdet
Herniaria permixta Guss.
Holosteum umbellatum L. subsp. **glutinosum** (M.Bieb.) Nyman
Holosteum umbellatum L. subsp. **umbellatum**
Illecebrum verticillatum L.
Loeflingia hispanica L.
Lychnis coronaria (L.) Desr.
Lychnis flos-cuculi L. subsp. **flos-cuculi**
Lychnis flos-jovis (L.) Desr.
Mcneillia graminifolia (Ard.) Dillenb. & Kadereit subsp. **clandestina** (Port.) Dillenb. & Kadereit
 E *Mcneillia graminifolia* (Ard.) Dillenb. & Kadereit subsp. **graminifolia**
 E *Mcneillia graminifolia* (Ard.) Dillenb. & Kadereit subsp. **rosanoi** (Ten.) F.Conti, Bartolucci, Iamónico & Del Guacchio
 E *Mcneillia moraldoi* (F.Conti) Dillenb. & Kadereit
 E *Minuartia glomerata* (M.Bieb.) Degen subsp. **trichocalycina** (Ten. & Guss.) F.Conti
Minuartia recurva (All.) Schinz & Thell. subsp. **condensata** (C.Presl) Greuter & Burdet
Minuartia recurva (All.) Schinz & Thell. subsp. **recurva**
Minuartia rostrata (Pers.) Rchb.
Minuartia rubra (Scop.) McNeill
Moehringia argenteria Casazza & Minuto
Moehringia bavarica (L.) Gren.
Moehringia ciliata (Scop.) Dalla Torre
 E *Moehringia concarenae* F.Fen. & F.Martini
 E *Moehringia dielsiana* Mattf.
 E *Moehringia glaucovirens* Bertol.
 E *Moehringia insubrica* Degen
Moehringia intermedia (Loisel.) Panizzi
Moehringia lebrunii Merxm.
 E *Moehringia markgrafii* Merxm. & Gutermann
Moehringia muscosa L.
 E *Moehringia papulosa* Bertol.
Moehringia pentandra Gay
Moehringia sedoides (Pers.) Loisel.
Moehringia tommasinii Marches.
Moehringia trinervia (L.) Clairv.
Moehringia villosa (Wulfen) Fenzl subsp. **glabrescens** (Rchb. ex Nyman) Starm.
Moenchia erecta (L.) G.Gaertn., B.Mey. & Scherb. subsp. **erecta**
Moenchia erecta (L.) G.Gaertn., B.Mey. & Scherb. subsp. **octandra** (Ziz ex Mert. & W.D.J.Koch) Gürke ex Cout.
Moenchia mantica (L.) Bartl. subsp. **mantica**
Paronychia arabica (L.) DC. subsp. **longiseta** Batt.
Paronychia argentea Lam.
Paronychia capitata (L.) Lam. subsp. **capitata**
Paronychia echinulata Chater
Paronychia kapela (Hacq.) A.Kern. subsp. **kapela**
Paronychia kapela (Hacq.) A.Kern. subsp. **serpyllifolia** (Chaix) Graebn.
Paronychia polygonifolia (Vill.) DC.
Petrorhagia dubia (Raf.) G.López & Romo
Petrorhagia illyrica (Ard.) P.W.Ball & Heywood subsp. **haynaldiana** (F.N.Williams) P.W.Ball & Heywood
Petrorhagia nanteuillii (Burnat) P.W.Ball & Heywood
Petrorhagia prolifera (L.) P.W.Ball & Heywood
 T *Petrorhagia saxifraga* (L.) Link subsp. **gasparrinii** (Guss.) Greuter & Burdet
Petrorhagia saxifraga (L.) Link subsp. **saxifraga**
Polycarpon tetraphyllum (L.) L. subsp. **alsinifolium** (Biv.) Ball
Polycarpon tetraphyllum (L.) L. subsp. **diphyllum** (Cav.) O.Bolòs & Font Quer
Polycarpon tetraphyllum (L.) L. subsp. **polycarpoides** (Biv.) Iamónico
Polycarpon tetraphyllum (L.) L. subsp. **tetraphyllum**
Psammophiliella muralis (L.) Ikonk.
Pseudostellaria europaea Schaeftl.
Rhodalsine geniculata (Poir.) F.N.Williams
Sabulina attica (Boiss. & Sprun.) Dillenb. & Kadereit
Sabulina austriaca (Jacq.) Rchb.
 T *Sabulina glaucina* (Dvořáková) Dillenb. & Kadereit
Sabulina mediterranea (Ledeb. ex Link) Rchb.

- Sabulina tenuifolia* (L.) Rchb. subsp. **tenuifolia** – Note: For the nomenclature of this species, see Iamonico (2014b).
- Sabulina tenuifolia* (L.) Rchb. subsp. **vaillantiana** (DC.) Dillenb. & Kadereit
- E *Sabulina verna* (L.) Rchb. subsp. **grandiflora** (C.Presl) Dillenb. & Kadereit
- Sabulina verna* (L.) Rchb. subsp. **verna**
- Sabulina villarsii* (Balb.) Rchb.
- Sabulina viscosa* (Schreb.) Rchb.
- Sagina alexandrae* Iamonico – Note: For the nomenclature of this species, see Iamonico (2016c).
- Sagina apetala* Ard. subsp. **apetala**
- Sagina glabra* (Willd.) Fenzl
- Sagina maritima* Don
- Sagina micropetala* Rauschert
- Sagina nodosa* (L.) Fenzl
- E *Sagina pilifera* (DC.) Fenzl
- Sagina procumbens* L.
- E *Sagina revelierei* Jord. & Fourr.
- Sagina saginoides* (L.) H.Karst. subsp. **saginoides**
- Saponaria bellidifolia* Sm.
- Saponaria calabrica* Guss.
- Saponaria lutea* L.
- E *Saponaria ocymoides* L. subsp. **alsinoides** (Viv.) Arcang.
- Saponaria ocymoides* L. subsp. **ocymoides**
- Saponaria officinalis* L.
- Saponaria pumila* Janch.
- Saponaria sicula* Raf.
- E *Scleranthus aetnensis* Strobl
- Scleranthus annuus* L.
- Scleranthus perennis* L. subsp. **burnatii** (Briq.) P.D.Sell
- Scleranthus perennis* L. subsp. **dichotomus** (Schur) Nyman
- Scleranthus perennis* L. subsp. **marginatus** (Guss.) Nyman
- Scleranthus perennis* L. subsp. **perennis**
- E *Scleranthus perennis* L. subsp. **stroblii** (Rchb. ex Strobl) Giardina & Raimondo
- E *Scleranthus perennis* L. subsp. **vulcanicus** (Strobl) Bég.
- Scleranthus polycarpus* L.
- Scleranthus uncinatus* Schur
- Scleranthus verticillatus* Tausch
- Silene acaulis* (L.) Jacq. subsp. **acaulis**
- T *Silene acaulis* (L.) Jacq. subsp. **bryoides** (Jord.) Nyman
- T *Silene acaulis* (L.) Jacq. subsp. **cenisia** Vierh.
- Silene apetala* Willd.
- Silene arghireica* Vals.
- Silene baccifera* (L.) Durande
- Silene badaroi* Breistr.
- E *Silene beguinotii* Vals.
- Silene behen* L.
- Silene bellidifolia* Jacq.
- E *Silene calabra* Brullo, Scelsi & Spamp.
- Silene campanula* Pers.
- Silene canescens* Ten.
- Silene catholica* (L.) W.T.Aiton
- E *Silene cattariniana* Ferrarini & Cecchi
- Silene ciliata* Pourr. subsp. **graefferi** (Guss.) Nyman
- Silene colorata* Poir.
- Silene conica* L.
- Silene cordifolia* All.
- E *Silene crassiuscula* Brullo, C.Brullo, Cambria, Bacch., Giusso & Ilardi
- Silene cretica* L.
- Silene dichotoma* Ehrh.
- Silene dioica* (L.) Clairv.
- Silene diversifolia* Otth
- E *Silene echinata* Otth
- E *Silene elisabethae* Jan
- Silene fruticosa* L.
- Silene fuscata* Brot.
- Silene gallica* L.
- Silene gallinyi* Heuff. ex Rchb.
- E *Silene giraldii* Guss.
- Silene hayekiana* Hand.-Mazz. & Janch.
- E *Silene hicesiae* Brullo & Signor.
- E *Silene ichnusae* Brullo, De Marco & De Marco f.
- Silene inaperta* L.
- Silene italica* (L.) Pers. subsp. **italica**
- E *Silene italica* (L.) Pers. subsp. **sicula** (Ucria) Jeanm.
- E *Silene kemoniana* C.Brullo, Brullo, Giusso, Ilardi & Sciandr.
- E *Silene lanuginosa* Bertol.
- Silene latifolia* Poir. – Note: *Silene latifolia* Poir. subsp. *alba* (Mill.) Greuter & Burdet [= *S. pratensis* (Rafn) Godr.] is included here.
- Silene linicola* C.C.Gmel.
- E *Silene martinolii* Bocchieri & Mulas
- E *Silene minae* Strobl

- E *Silene morisiana* Bég. & Ravano
Silene multicaulis Guss. subsp. **multicaulis**
Silene muscipula L. subsp. **muscipula**
Silene mutabilis L. – Note: For the nomenclature of this species, see Peruzzi et al. (2014b).
- E *Silene nefelites* C.Brullo, Brullo, Giusso & Ilardi
Silene nemoralis Waldst. & Kit.
Silene niceensis All.
Silene noctiflora L.
Silene nocturna L. subsp. **boullui** (Jord. ex Rouy & Foucaud) Gamisans – Note: For the taxonomy and distribution of this subspecies, see Bacchetta et al. (2014).
Silene nocturna L. subsp. **nocturna**
- E *Silene nodulosa* Viv.
E *Silene notarisii* Ces.
E *Silene nummica* Vals.
- T *Silene nutans* L. subsp. **insubrica** (Gaudin) Soldano
Silene nutans L. subsp. **nutans**
- E *Silene oenotriae* Brullo
Silene otites (L.) Wibel
Silene paradoxa L.
- E *Silene peloritana* C.Brullo, Brullo, Giusso, Miniss. & Sciandr.
Silene pendula L.
- E *Silene pichiana* Ferrarini & Cecchi
Silene portensis L.
Silene pseudoatocion Desf.
Silene pudibunda Hoffmannss. ex Rchb.
- E *Silene roemerii* Friv. subsp. **staminea** (Bertol.) Nyman
E *Silene rosulata* Soy.-Will. & Godr. subsp. **sanctae-theresiae** (Jeanm.) Jeanm.
Silene saxifraga L.
Silene sedoides Poir. subsp. **sedoides**
Silene sericea All.
Silene subconica Friv.
- E *Silene succulenta* Forssk. subsp. **corsica** (DC.) Nyman
Silene tenuiflora Guss.
- E *Silene turbinata* Guss.
Silene vallesia L.
- E *Silene valsecchiae* Bocchieri
E *Silene velutina* Pourr. ex Loisel.
Silene velutinoides Pomel
Silene viridiflora L.
- E *Silene vulgaris* (Moench) Garcke subsp. **aetnensis** (Strobl) Pignatti
Silene vulgaris (Moench) Garcke subsp. **commutata** (Guss.) Hayek
Silene vulgaris (Moench) Garcke subsp. **glareosa** (Jord.) Marsden-Jones & Turrill
Silene vulgaris (Moench) Garcke subsp. **prostrata** (Gaudin) Schinz & Thell.
Silene vulgaris (Moench) Garcke subsp. **tenoreana** (Colla) Soldano & F.Conti
Silene vulgaris (Moench) Garcke subsp. **vulgaris**
Spergula arvensis L.
Spergula pentandra L.
Spergularia bocconeii (Scheele) Graebn.
Spergularia diandra (Guss.) Boiss.
Spergularia flaccida (Madden) I.M.Turner – Note: For the nomenclature of this species, see Turner (2017).
Spergularia heldreichii E.Simon & P.Monnier
E *Spergularia macrorhiza* (Req. ex Loisel.) Heynh.
ET *Spergularia madoniaca* Lojac.
Spergularia marina (L.) Besser
Spergularia media (L.) C.Presl
Spergularia nicaeensis Burnat
Spergularia radicans C.Presl
Spergularia rubra (L.) J.Presl & C.Presl
Spergularia segetalis (L.) G.Don
Spergularia tunetana (Maire) J alas
Stellaria alsine Grimm
Stellaria aquatica (L.) Scop.
Stellaria graminea L.
Stellaria holostea L. subsp. **holostea**
Stellaria longifolia Willd.
Stellaria media (L.) Vill. subsp. **media**
ET *Stellaria media* (L.) Vill. subsp. **romana** Bég.
Stellaria neglecta Weihe subsp. **cupaniana** (Jord. & Fourr.) Gutermann
Stellaria neglecta Weihe subsp. **neglecta**
Stellaria nemorum L. subsp. **montana** (Pierrat) Berher
Stellaria nemorum L. subsp. **nemorum**
Stellaria pallida (Dumort.) Crép.
Stellaria palustris Ehrh. ex Hoffm.
Telephium imperati L. subsp. **imperati**
- C *Vaccaria hispanica* (Mill.) Rauschert
Velezia rigida L.
Viscaria alpina (L.) G.Don
Viscaria vulgaris Bernh. subsp. **vulgaris**

Chenopodiaceae

Taxonomic references: *Caroxylon* Thunb., *Salsola* L. (incl. *Kali* Mill.), and *Soda* (Dumort.) Fourr. (Rike 1999; Akhani et al. 2007; Brullo et al. 2013, 2015a; Domina et al. 2014; Galasso and Bartolucci 2014; Sukhorukov 2014; Mosyakin 2017a; 2017c; Mosyakin et al. 2017; Wilson 2017); *Chenopodium* L. (Iamónico 2013b); *Salicornia* L. (incl. *Sarcocornia* A.J.Scott) (Kadereit et al. 2012; Piirainen et al. 2017).

Arthrocaulon macrostachyum (Moric.) Piirainen & G.Kadereit

Atriplex glauca L.

Atriplex halimus L.

Atriplex littoralis L.

Atriplex mollis Desf.

Atriplex oblongifolia Waldst. & Kit.

Atriplex patula L.

Atriplex prostrata Boucher ex DC.

Atriplex rosea L.

T ***Atriplex tatarica*** L.

Atriplex tornabenei Tineo subsp. ***tornabenei*** – Note: According to Iamónico (2013c), only the autonymic subspecies occurs in Italy.

Bassia hyssopifolia (Pall.) Kuntze

Bassia laniflora (S.G.Gmel.) A.J.Scott

Bassia prostrata (L.) Beck

Beta macrocarpa Guss.

Beta vulgaris L. subsp. ***maritima*** (L.) Arcang.

Blitum bonus-henricus (L.) Rchb.

Blitum virgatum L. subsp. ***virgatum***

ET ***Camphorosma monspeliaca*** L. subsp. ***monspeliaca***

Caroxylon agrigentum (Guss.) C.Brullo, Brullo, Giusso, Guarino & Iamónico

Caroxylon vermiculatum (L.) Akhani & E.H.Roalson – Note: *Salsola flavescens* Cav., recorded for SAR (Botschantzev 1975; Arrigoni 2006), is provisionally included here.

Chenopodiastrum hybridum (L.) S.Fuentes, Uotila & Borsch

Chenopodiastrum murale (L.) S.Fuentes, Uotila & Borsch

Chenopodium album L. subsp. ***album*** – Note: *Chenopodium album* is a highly polymorphic species. The three subspecies, provisionally accepted here, differ on the basis of the shape and margins of leaf blades, inflorescence structure and hairiness. However, further taxonomic studies including similar species such as *C. betaceum* Andr., *C. probstii* Aellen and *C. suecicum* Murr are needed.

Chenopodium album L. subsp. ***borbasii*** (Murr) Soó

Chenopodium album L. subsp. ***pedunculare*** (Bertol.) Arcang.

Chenopodium betaceum Andr. – Note: For the nomenclature of this species, see Mosyakin (2017b).

Chenopodium ficifolium Sm.

Chenopodium opulifolium Schrad. ex W.D.J.Koch & Ziz

Chenopodium suecicum Murr

Chenopodium vulvaria L.

C ***Corispermum hyssopifolium*** L. group – Note: The taxonomic identity of the Italian plants (possibly *Corispermum bracteatum* Viv., *C. gallicum* Iljin or *C. pallasii* Steven (= *C. leptopterum* (Asch.) Iljin) remains obscure and needs further studies (S.L. Mosyakin, in litteris). Some authors have erroneously identified the Italian plants with the Baltic species *C. intermedium* Schweigg..

Dysphania botrys (L.) Mosyakin & Clemants

E ***Eokochia saxicola*** (Guss.) Freitag & G.Kadereit

Halimione portulacoides (L.) Aellen

Halocnemum cruciatum (Forssk.) Tod.

Halocnemum strobilaceum (Pall.) M.Bieb.

Halopeplis amplexicaulis (Vahl) Ces., Pass. & Gibelli

Lipandra polysperma (L.) S.Fuentes, Uotila & Borsch

Oxybasis chenopodioides (L.) S.Fuentes, Uotila & Borsch – Note: For the taxonomy and distribution of this species, see Iamónico (2014c).

Oxybasis glauca (L.) S.Fuentes, Uotila & Borsch

Oxybasis rubra (L.) S.Fuentes, Uotila & Borsch

Oxybasis urbica (L.) S.Fuentes, Uotila & Borsch

Patellifolia procumbens (C.Sm.) A.J.Scott

Salicornia fruticosa (L.) L.

Salicornia perennans Willd. subsp. ***perennans***

Salicornia perennis Mill. subsp. ***alpini*** (Lag.) Castrov.

Salicornia perennis Mill. subsp. ***perennis***

Salicornia procumbens Sm. subsp. ***procumbens***

T ***Salicornia veneta*** Pignatti & Lausi – Note: Kadereit et al. (2012) consider *S. veneta* as a synonym of *S. procumbens*. On the contrary, Iberite and Iamónico (2016), based on preliminary morphological studies, treat *S. veneta* as a distinct unit. Further molecular studies are ongoing by M. Iberite and collaborators.

Salsola squarrosa Steven ex Moq. subsp. ***controversa*** (Tod. ex Lojac.) Mosyakin

Salsola tragus L. – Note: *Kali basalticum* C.Brullo, Brullo, Gaskin, Giusso, Hrusa & Salmeri is very similar to this species (S.L. Mosyakin and H. Freitag, in litteris), so that it is provisionally included here.

Salsola oppositifolia Desf. – Note: *Salsola oppositifolia* is phylogenetically close to several other *Salsola* species which are neatly separated (Schüssler et al. 2017) from the clade including the genotype *S. kali* L. However, the phylogenetic position of *S. oppositifolia* is not yet clear (S.L. Mosyakin and H. Freitag, in litteris) and, for this reason, we provisionally abstain from proposing nomenclatural changes.

Soda inermis Fourr.

Spirobassia hirsuta (L.) Freitag & G.Kadereit

E ***Suaeda kocheri*** Guss. ex C.Brullo, Brullo & Giusso – Note: Possibly extinct.

Suaeda maritima (L.) Dumort.

E ***Suaeda pelagica*** Bartolo, Brullo & Pavone

Suaeda spicata (Willd.) Moq.

Suaeda splendens (Poir.) Gren. & Godr.

Suaeda vera J.F.Gmel.

Suaeda vermiculata Forssk. ex J.F.Gmel.

Amaranthaceae

Taxonomic references: *Amaranthus* L., and *Polycnemum* L. (Iamónico 2012, 2015).

Achyranthes sicula (L.) All.

Amaranthus blitum L. subsp. ***blitum*** – Note: *Amaranthus blitum* is a polymorphic taxon, especially concerning characters referred to the shape of leaf blade, seed diameter and seed surface (Iamónico 2015). Moreover, *A. blitum* belongs to a taxonomically critical group in which other species can be recognized, i.e. *A. emarginatus* Moq. ex Uline & Bray (naturalized alien in Italy, see Iamónico 2015), and *A. bengalense* Saubhik & Iamónico (from West Bengal, India) (Das and Iamónico 2014).

Amaranthus graecizans L. subsp. *graecizans*

Amaranthus graecizans L. subsp. ***silvestris*** (Vill.) Brenan

Polycnemum arvense L.

C ***Polycnemum heuffelii*** Láng

Polycnemum majus A. Braun

Polycnemum verrucosum Láng – Note: For the distribution of this species, see Iamónico (2013d).

Aizoaceae

Aizoanthemopsis hispanicum (L.) Klak – Note: For the nomenclature of this species, see Klak et al. (2017).

Mesembryanthemum cristallinum L.

Mesembryanthemum nodiflorum L.

Montiaceae

Montia arvensis Wallr.

Montia fontana L.

Montia hallii (A. Gray) Greene

Montia variabilis (Walters) Landolt

Portulacaceae

C ***Portulaca cypria*** Danin

C ***Portulaca granulostellulata*** (Poeelln.) Ricceri & Arrigoni

C ***Portulaca nitida*** (Danin & H.G. Baker) Ricceri & Arrigoni

C ***Portulaca oleracea*** L.

Portulaca papillatostellulata (Danin & H.G. Baker) Danin

Portulaca rausii Danin

E ***Portulaca sardoa*** Danin, Bagella & Marrosu

E ***Portulaca sicula*** Danin, Domina & Raimondo

Portulaca trituberculata Danin, Domina & Raimondo

Portulaca zaffranii Danin

Cornaceae

Cornus mas L.

T ***Cornus sanguinea*** L. subsp. ***australis*** (C.A. Mey.) Jáv.

T ***Cornus sanguinea*** L. subsp. ***hungarica*** (Kárpáti) Soó

Cornus sanguinea L. subsp. ***sanguinea***

Hydrangeaceae

Philadelphus coronarius L.

Balsaminaceae

Impatiens noli-tangere L.

Polemoniaceae

Polemonium caeruleum L.

Primulaceae

Androsace adfinis Biroli subsp. ***adfinis***

Androsace adfinis Biroli subsp. ***brigantiaca*** (Jord. & Fourr.) Kress

Androsace adfinis Biroli subsp. ***puberula*** (Jord. & Fourr.) Kress

Androsace alpina (L.) Lam.

Androsace brevis (Hegetschw.) Ces.

Androsace chamaejasme Wulfen

Androsace elongata L. subsp. ***breistrofferi*** (Charpin & Greuter) Molero & J.M. Monts.

Androsace hausmannii Leyb.

Androsace helvetica (L.) All.

Androsace lactea L.

E ***Androsace mathildae*** Levier

Androsace maxima L.

Androsace obtusifolia All.

Androsace pubescens DC.

Androsace septentrionalis L.

Androsace vandellii (Turra) Chiov.

Androsace villosa L. subsp. ***villosa***

Androsace vitaliana (L.) Lapeyr. subsp. ***cinerea*** (Sünd.) Kress

Androsace vitaliana (L.) Lapeyr. subsp. ***lepontina*** (Chiarugi) Dixon, Gutermann & Schneew.

E ***Androsace vitaliana*** (L.) Lapeyr. subsp. ***praetutiana*** (Buser ex Sünd.) Kress

Androsace vitaliana (L.) Lapeyr. subsp. ***sesleri*** (Buser ex Sünd.) Kress

Androsace wulfeniana Sieber ex W.D.J. Koch

Coris monspeliensis L. subsp. ***annua*** (Halácsy & Bald.) Arrigoni

Coris monspeliensis L. subsp. ***monspeliensis***

Cyclamen africanum Boiss. & Reut.

- Cyclamen hederifolium* Aiton subsp. **confusum** (Grey-Wilson) Grey-Wilson
Cyclamen hederifolium Aiton subsp. **hederifolium**
Cyclamen purpurascens Mill. subsp. **purpurascens**
Cyclamen repandum Sm. subsp. **repandum**
Hottonia palustris L.
Lysimachia arvensis (L.) U.Manns & Anderb. subsp. **arvensis**
T *Lysimachia arvensis* (L.) U.Manns & Anderb. subsp. **latifolia** (L.) Peruzzi
T *Lysimachia arvensis* (L.) U.Manns & Anderb. subsp. **parviflora** (Hoffmanns. & Link) Peruzzi
Lysimachia europaea (L.) U.Manns & Anderb.
Lysimachia foemina (Mill.) U.Manns & Anderb.
Lysimachia linum-stellatum L.
Lysimachia minima (L.) U.Manns & Anderb.
Lysimachia monelli (L.) U.Manns & Anderb. subsp. **linifolia** (L.) Peruzzi
Lysimachia monelli (L.) U.Manns & Anderb. subsp. **monelli**
Lysimachia nemorum L.
Lysimachia nummularia L.
Lysimachia punctata L.
Lysimachia tenella L.
Lysimachia tyrrhenia U.Manns & Anderb.
Lysimachia vulgaris L.
E *Primula albenensis* Banfi & Ferl.
Primula allionii Loisel.
E *Primula apennina* Widmer
Primula auricula L.
E *Primula cottia* Widmer
Primula daonensis (Leyb.) Leyb.
Primula elatior (L.) Hill
Primula farinosa L.
E *Primula glaucescens* Moretti
Primula glutinosa Wulfen
Primula halleri J.F.Gmel.
Primula hirsuta All.
E *Primula infecta* (Kress) Landolt
Primula integrifolia L.
Primula intricata Gren. & Godr.
Primula latifolia Lapeyr. subsp. **graveolens** (Hegetschw.) Rouy
Primula marginata Curtis
Primula matthioli (L.) V.A.Richt.
Primula minima L.
E *Primula palinuri* Petagna
Primula pedemontana Thomas ex Gaudin
E *Primula polliniana* Moretti
E *Primula recubariensis* Prosser & Scorteg.
E *Primula tyrolensis* Schott ex Rchb.f.
Primula veris L. subsp. **columnae** (Ten.) Maire & Petitm.
Primula veris L. subsp. **veris**
Primula vulgaris Huds. subsp. **vulgaris**
Primula wulfeniana Schott subsp. **wulfeniana**
Samolus valerandi L.
Soldanella alpina L. subsp. **alpina**
E *Soldanella calabrella* Kress
Soldanella minima Hoppe subsp. **minima**
E *Soldanella minima* Hoppe subsp. **samnitica** Cristof. & Pignatti
Soldanella pusilla Baumg. subsp. **alpicola** (F.K.Mey.) Chrtek
ET *Soldanella sacra* A.Bellino & L.Bellino

Styracaceae

Styrax officinalis L.

Ericaceae

Andromeda polifolia L.*Arbutus unedo* L.*Arctostaphylos alpinus* (L.) Spreng.*Arctostaphylos uva-ursi* (L.) Spreng.*Calluna vulgaris* (L.) Hull*Empetrum hermaphroditum* Hagerup*Empetrum nigrum* L.*Erica arborea* L.*Erica carnea* L. subsp. **carnea***Erica cinerea* L.*Erica forskalii* Vitm.E *Erica multiflora* L. subsp. **hyblaea** Domina & Raimondo*Erica multiflora* L. subsp. **multiflora***Erica scoparia* L. subsp. **scoparia**E *Erica sicula* Guss. subsp. **sicula***Erica terminalis* Salisb.*Kalmia procumbens* (L.) Gift, Kron & Stevens ex Galasso, Banfi & F.Conti*Moneses uniflora* (L.) A.Gray

Monotropa hypophegea Wallr.
Monotropa hypopitys L.
Orthilia secunda (L.) House
Pyrola chlorantha Sw.
Pyrola media Sw.
Pyrola minor L.
Pyrola rotundifolia L. subsp. **rotundifolia**
Rhododendron ferrugineum L.
Rhododendron hirsutum L.
Rhodothamnus chamaecistus (L.) Rchb.
Vaccinium microcarpum (Turcz. ex Rupr.) Schmalh.
Vaccinium myrtillus L.
Vaccinium oxycoccos L.
Vaccinium uliginosum L. subsp. **microphyllum** (Lange) Tolm.
Vaccinium uliginosum L. subsp. **uliginosum**
Vaccinium vitis-idaea L.

Rubiaceae

Taxonomic references: *Asperula* L. sect. *Cynanchicae* (DC.) Boiss. (Del Guacchio and Caputo 2013a, 2013b; Gargiulo et al. 2015; Del Guacchio et al. 2017).

- ET *Asperula apuana* (Fiori) Arrigoni
 E *Asperula aristata* L.f. subsp. **aristata**
 E *Asperula aristata* L.f. subsp. **calabra** (Fiori) Del Guacchio & P.Caputo
 E *Asperula aristata* L.f. subsp. **scabra** Nyman
 E *Asperula arvensis* L.
 E *Asperula crassifolia* L. – Note: For the typification of this name, see Peruzzi et al. (2013c).
 E *Asperula cynanchica* L. subsp. **cynanchica**
 E *Asperula cynanchica* L. subsp. **neglecta** (Guss.) Arcang.
 E *Asperula deficiens* Viv.
 E *Asperula garganica* Huter ex Ehrend. & Krendl
 E *Asperula gussonei* Boiss.
 E *Asperula hexaphylla* All.
 E *Asperula lactea* (Huter, Porta & Rigo ex Galasso) Brullo, Gargano, N.G.Passal. & Peruzzi
 E *Asperula laevigata* L.
 E *Asperula peloritana* C.Brullo, Brullo, Giusso & Scuderi
 E *Asperula pumila* Moris
 E *Asperula purpurea* (L.) Ehrend.
 E *Asperula rupestris* Tineo
 E *Asperula staliana* Vis. subsp. **diomedea** Korica, Lausi & Ehrend.
 E *Asperula taurina* L. subsp. **taurina**
 E *Asperula tinctoria* L.
 E *Crucianella angustifolia* L.
 E *Crucianella latifolia* L.
 E *Crucianella maritima* L.
 E *Crucianella rupestris* Guss.
 E *Cruciata glabra* (L.) C.Bauhin ex Opiz
 E *Cruciata laevipes* Opiz
 E *Cruciata pedemontana* (Bellardi) Ehrend.
 E *Galium aetnium* Biv.
 E *Galium album* Mill. subsp. **album**
 E *Galium album* Mill. subsp. **pyncotrichum** (Heinr.Braun) Krendl
 E *Galium anisophyllum* Vill.
 E *Galium aparine* L.
 E *Galium aristatum* L.
 E *Galium austriacum* Jacq.
 E *Galium baldense* Spreng.
 E *Galium boreale* L.
 E *Galium caprarium* Natali
 E *Galium carmineum* Beauverd
 E *Galium centroniae* Cariot
 E *Galium cinereum* All.
 E *Galium corrudifolium* Vill.
 E *Galium corsicum* Spreng.
 E *Galium debile* Desv.
 E *Galium divaricatum* Lam.
 E *Galium glaucophyllum* Em.Schmid
 E *Galium glaucum* L.
 E *Galium intermedium* Schult.
 E *Galium laevigatum* L.
 E *Galium litorale* Guss.
 ET *Galium lucidum* All. subsp. **lucidum**
 E *Galium lucidum* All. subsp. **venustum** (Jord.) Arcang.
 E *Galium magellense* Ten.
 E *Galium margaritaceum* A.Kern.
 E *Galium megalospermum* All.
 E *Galium minutulum* Jord.
 E *Galium mollugo* L.
 E *Galium montis-arerae* Merxm. & Ehrend.
 E *Galium murale* (L.) All.

- Galium noricum* Ehrend.
Galium obliquum Vill.
Galium odoratum (L.) Scop.
E *Galium palaeoitalicum* Ehrend.
E *Galium pallidum* C.Presl
T *Galium palustre* L. subsp. **elongatum** (C.Presl) Lange
Galium palustre L. subsp. **palustre**
Galium parisiense L.
Galium pseudohelveticum Ehrend.
Galium pumilum Murray
Galium pusillum L.
Galium rotundifolium L. subsp. **rotundifolium**
Galium rubrum L.
Galium saxatile L.
Galium scabrum L.
E *Galium schmidii* Arrigoni
Galium setaceum Lam.
Galium spurium L.
Galium sylvaticum L.
Galium tendae Rchb.f.
Galium tricorutum Dandy
Galium tunetanum Lam.
Galium uliginosum L.
ET *Galium verrucosum* Huds. subsp. **halophilum** (Ponzo) Lambinon
Galium verrucosum Huds. subsp. **verrucosum**
Galium verticillatum Danthoine
Galium verum L. subsp. **verum**
T *Galium verum* L. subsp. **wirtgeni** (F.W.Schultz) Oborny
Plocama calabrica (L.f.) M.Backlund & Thulin
Rubia peregrina L.
Sherardia arvensis L.
Theligonum cynocrambe L.
E *Valantia calva* Brullo
E *Valantia deltoidea* Brullo
Valantia hispida L.
Valantia muralis L.
- Gentianaceae
- T *Blackstonia acuminata* (W.D.J.Koch & Ziz) Domin subsp. **acuminata**
T *Blackstonia acuminata* (W.D.J.Koch & Ziz) Domin subsp. **aestiva** (K.Malý) Zeltner
Blackstonia grandiflora (Viv.) Pau
Blackstonia imperfoliata (L.f.) Samp.
T *Blackstonia perfoliata* (L.) Huds. subsp. **intermedia** (Ten.) Zeltner
Blackstonia perfoliata (L.) Huds. subsp. **perfoliata**
Centaurium erythraea Rafn subsp. **erythraea**
T *Centaurium erythraea* Rafn subsp. **rhodense** (Boiss. & Reut.) Melderis
T *Centaurium erythraea* Rafn subsp. **rumelicum** (Velen.) Melderis
Centaurium grandiflorum (Pers.) Ronniger subsp. **grandiflorum**
T *Centaurium grandiflorum* (Pers.) Ronniger subsp. **majus** (Hoffmanns. & Link) Z.Díaz
Centaurium littorale (Turner) Gilmour subsp. **littorale**
Centaurium maritimum (L.) Fritsch
Centaurium pulchellum (Sw.) Druce subsp. **pulchellum**
T *Centaurium tenuiflorum* (Hoffmanns. & Link) Fritsch subsp. **acutiflorum** (Schott) Zeltner
Centaurium tenuiflorum (Hoffmanns. & Link) Fritsch subsp. **tenuiflorum**
Cicendia filiformis (L.) Delarbre
Exaculum pusillum (Lam.) Caruel
Gentiana acaulis L.
Gentiana alpina Vill.
Gentiana asclepiadea L.
Gentiana bavarica L.
Gentiana brachyphylla Vill.
E *Gentiana brentae* Prosser & Bertolli
Gentiana burseri Lapeyr. subsp. **actinocalyx** Polidori
Gentiana burseri Lapeyr. subsp. **villarsii** (Griseb.) Rouy
Gentiana clusii E.P.Perrier & Songeon
Gentiana cruciata L. subsp. **cruciata**
Gentiana dinarica Beck
Gentiana froelichii Jan ex Rchb. subsp. **froelichii**
E *Gentiana froelichii* Jan ex Rchb. subsp. **zenariae** F.Martini & Poldini
Gentiana ligustica R.Vilm. & Chopinet
Gentiana lutea L. subsp. **lutea**
Gentiana lutea L. subsp. **symphyandra** (Murb.) Hayek
Gentiana lutea L. subsp. **vardjanii** Wraber
Gentiana nivalis L.
Gentiana orbicularis Schur
Gentiana pannonica Scop.
Gentiana pneumonanthe L. subsp. **pneumonante**

Gentiana prostrata Haenke
Gentiana pumila Jacq. subsp. *delphinensis* (Beauverd) P.Fourn.
Gentiana pumila Jacq. subsp. *pumila*
Gentiana punctata L.
Gentiana purpurea L.
Gentiana rostanii Reut. ex Verl.
Gentiana terglouensis Hacq. subsp. *schleicheri* (Vacc.) Tutin
Gentiana terglouensis Hacq. subsp. *terglouensis*
Gentiana utriculosa L.
Gentiana verna L. subsp. *tergestina* (Beck) Hayek
Gentiana verna L. subsp. *verna*
Gentianella amarella (L.) Börner
Gentianella anisodonta (Borbás) Á.Löve & D.Löve
Gentianella austriaca (A.Kern. & Jos.Kern.) Holub
Gentianella campestris (L.) Börner subsp. *campestris*
E *Gentianella carinthiaca* (Wulfen) Galasso, Banfi & Soldano
Gentianella columnae (Ten.) Holub
Gentianella crispata (Vis.) Holub
Gentianella engadinensis (Wettst.) Holub
Gentianella insubrica (Kunz) Holub
Gentianella lutescens (Velen.) Holub
Gentianella nana (Wulfen) N.M.Pritch.
Gentianella pilosa (Wettst.) Holub
Gentianella ramosa (Hegetschw.) Holub
Gentianella rhaetica (A.Kern. & Jos.Kern.) Á.Löve & D.Löve
Gentianella tenella (Rottb.) Börner
Gentianopsis ciliata (L.) Ma subsp. *ciliata*
Schenkia spicata (L.) G.Mans.
Swertia perennis L.

Apocynaceae

Caralluma europaea (Guss.) N.E.Br. subsp. *europaea*
Cynanchum acutum L. subsp. *acutum*
Nerium oleander L. subsp. *oleander*
C *Periploca angustifolia* Labill.
Periploca graeca L.
Trachomitum venetum (L.) Woodson subsp. *venetum*
E *Vinca difformis* Pourr. subsp. *difformis*
Vinca difformis Pourr. subsp. *sardoa* Stearn
Vinca major L. subsp. *major*
Vinca minor L.
T *Vincetoxicum hircundinaria* Medik. subsp. *adriaticum* (Beck) Markgr.
T *Vincetoxicum hircundinaria* Medik. subsp. *contiguum* (W.D.J.Koch) Markgr.
Vincetoxicum hircundinaria Medik. subsp. *hircundinaria*
T *Vincetoxicum hircundinaria* Medik. subsp. *laxum* (Bartl.) Poldini
T *Vincetoxicum hircundinaria* Medik. subsp. *luteolum* (Jord. & Fourr.) La Valva, Moraldo & Caputo
Vincetoxicum nigrum (L.) Moench

Convolvulaceae

Taxonomic references: *Convolvulus* L. (incl. *Calystegia* R.Br.) (Stefanović et al. 2002, 2003; Carine et al. 2004; Williams et al. 2014).

Convolvulus althaeoides L.
Convolvulus arvensis L.
Convolvulus cantabrica L.
Convolvulus cneorum L.
Convolvulus elegantissimus Mill.
Convolvulus humilis Jacq.
Convolvulus lineatus L.
Convolvulus oleifolius Desr.
Convolvulus pentapetaloides L.
Convolvulus sabatius Viv. subsp. *sabatius*
Convolvulus sepium L.
Convolvulus siculus L. subsp. *elongatus* Batt.
Convolvulus siculus L. subsp. *siculus*
Convolvulus silvaticus Kit.
Convolvulus soldanella L.
Convolvulus tricolor L. subsp. *cupanianus* (Tod.) Cavara & Grande
Convolvulus tricolor L. subsp. *meonanthus* (Hoffmanns. & Link) Arcang.
Cressa cretica L.
Cuscuta approximata Bab. subsp. *approximata*
Cuscuta approximata Bab. subsp. *macranthera* (Heldr. & Sartoni ex Boiss.) Feinbrun & Greuter
C *Cuscuta brevistyla* A.Braun ex A.Rich.
Cuscuta cesattiana Bertol. – Note: This species could correspond to *Cuscuta obtusiflora* Kunth var. *glandulosa* Engelm. (Campanile 1926). *Cuscuta cesattiana* is usually misidentified with the alien invasive *C. campestris* Yunck. The specific epithet was published with double “t”, possibly to avoid the pronunciation “tz” in the name “Cesati”, and it is not be corrected.
E *Cuscuta epithymum* (L.) L. subsp. *corsicana* (Yunck.) Lambinon
Cuscuta epithymum (L.) L. subsp. *epithymum*
T *Cuscuta epithymum* (L.) L. subsp. *kotschyi* (Des Moul.) Arcang.
Cuscuta europaea L.

- C *Cuscuta monogyna* Vahl subsp. ***monogyna***
Cuscuta palaestina Boiss. subsp. ***palaestina***
Cuscuta planiflora Ten.
- C *Cuscuta scandens* Brot.
Ipomoea sagittata Poir.
Ipomoea stolonifera (Cyr.) J.F.Gmel.
- Solanaceae
Alkekengi officinarum Moench
Atropa bella-donna L.
Hyoscyamus albus L.
Hyoscyamus niger L.
- C *Lycium europaeum* L.
C *Lycium intricatum* Boiss. subsp. ***intricatum***
Mandragora autumnalis Bertol.
Mandragora officinarum L.
Scopolia carniolica Jacq.
Solanum dulcamara L.
Solanum nigrum L.
Solanum villosum Mill.
- Boraginaceae
Taxonomic references: *Onosma echioides* (L.) L. group (Peruzzi and Passalacqua 2008).
- E *Aegonychon calabrum* (Ten.) Holub.
Aegonychon purpureoeruleum (L.) Holub
Alkanna lutea Moris
Alkanna tinctoria Tausch subsp. ***tinctoria***
Anchusa azurea Mill.
- E *Anchusa capellii* Moris
E *Anchusa crispa* Viv. subsp. ***crispa***
E *Anchusa crispa* Viv. subsp. ***maritima*** (Vals.) Selvi & Bigazzi
E *Anchusa formosa* Selvi, Bigazzi & Bacch.
E *Anchusa litorea* Moris
E *Anchusa montelinasana* Angius, Pontec. & Selvi
Anchusa officinalis L.
- E *Anchusa sardoa* (Illario) Selvi & Bigazzi
Anchusa undulata L. subsp. ***hybrida*** (Ten.) Bég.
Anchusella cretica (Mill.) Bigazzi, E.Nardi & Selvi
Asperugo procumbens L.
- E *Borago morisiana* Bigazzi & Ricceri
Borago officinalis L.
- E *Borago pygmaea* (DC.) Chater & Greuter
Buglossoides arvensis (L.) I.M.Johnst. subsp. ***arvensis***
Buglossoides incrassata (Guss.) I.M.Johnst. subsp. ***incrassata***
Buglossoides incrassata (Guss.) I.M.Johnst. subsp. ***permixta*** (Jord.) L.Cecchi & Selvi
E *Buglossoides incrassata* (Guss.) I.M.Johnst. subsp. ***splitgerberi*** (Guss.) E.Zippel & Selvi
E *Buglossoides minima* (Moris) R.Fern.
Cerintho alpina Kit. ex Schult. subsp. ***alpina***
Cerintho major L. subsp. ***major***
Cerintho minor L. subsp. ***auriculata*** (Ten.) Domac
Cerintho minor L. subsp. ***minor***
Cerintho retorta Sm.
- E *Cynoglossum apenninum* L.
E *Cynoglossum barbaricinum* Arrigoni & Selvi
Cynoglossum cheirifolium L.
Cynoglossum clandestinum Desf.
Cynoglossum columnae Ten.
Cynoglossum creticum Mill.
- E *Cynoglossum magellense* Ten.
Cynoglossum montanum L.
- E *Cynoglossum nebrodense* Guss. subsp. ***lucanum*** Selvi & Sutory
Cynoglossum nebrodense Guss. subsp. ***nebrodense***
Cynoglossum officinale L.
Cynoglossum pustulatum Boiss. subsp. ***pustulatum***
Cynoglottis barrelieri (All.) Vural & Kit Tan subsp. ***barrelieri***
- E *Echium anchusoides* Bacch., Brullo & Selvi
Echium arenarium Guss.
Echium asperrimum Lam.
Echium creticum L. subsp. ***coyncianum*** (Lacaita) R.Fern.
Echium creticum L. subsp. ***creticum***
Echium italicum L. subsp. ***italicum***
- ET *Echium italicum* L. subsp. ***siculum*** (Lacaita) Greuter & Burdet
Echium parviflorum Moench
Echium plantagineum L.
Echium sabulicola Pomel subsp. ***sabulicola***
- T *Echium vulgare* L. subsp. ***pustulatum*** (Sm.) Em.Schmid & Gams
Echium vulgare L. subsp. ***vulgare***

- Eritrichium nanum* (L.) Schrad. ex Gaudin
Glandora rosmarinifolia (Ten.) D.C.Thomas
Hackelia deflexa (Wahlenb.) Opiz
Hormuzakia aggregata (Lehm.) Guşul.
Lappula heteracantha (Ledeb.) Gürke
Lappula squarrosa (Retz.) Dumort.
Lithospermum officinale L.
Lycopsis arvensis L.
- E *Moltkia suffruticosa* (L.) Brand subsp. **bigazziana** Peruzzi & Soldano
 E *Moltkia suffruticosa* (L.) Brand subsp. **suffruticosa**
Myosotis alpestris F.W.Schmidt
Myosotis arvensis (L.) Hill subsp. **arvensis**
Myosotis decumbens Host subsp. **decumbens**
 ET *Myosotis decumbens* Host subsp. **florentina** Grau
Myosotis discolor Pers. subsp. **discolor**
 E *Myosotis graui* Selvi
Myosotis incrassata Guss.
Myosotis laxa Lehm. subsp. **cespitosa** (Schultz) Hyl. ex Nordh.
Myosotis minutiflora Boiss. & Reut. subsp. **minutiflora**
Myosotis nemorosa Besser
Myosotis pusilla Loisel.
Myosotis ramosissima Rochel subsp. **ramosissima**
Myosotis scorpioides L. subsp. **scorpioides**
Myosotis sicula Guss.
 E *Myosotis soleirolii* Godr.
Myosotis speluncicola (Boiss.) Rouy
Myosotis stricta Link ex Roem. & Schult.
 T *Myosotis sylvatica* Hoffm. subsp. **cyanea** (Hayek) Vestergren
 ET *Myosotis sylvatica* Hoffm. subsp. **elongata** (Strobl) Grau
 T *Myosotis sylvatica* Hoffm. subsp. **subarvensis** Grau
Myosotis sylvatica Hoffm. subsp. **sylvatica**
 E *Myosotis tineoi* C.Brullo & Brullo
Neotostema apulum (L.) I.M.Johnst.
Nonea echioides (L.) Roem. & Schult.
Nonea vesicaria (L.) Rchb.
Omphalodes verna Moench
Onosma arenaria Waldst. & Kit. subsp. **arenaria**
 E *Onosma echioides* (L.) L. subsp. **angustifolia** (Lehm.) Peruzzi & N.G.Passal.
 E *Onosma echioides* (L.) L. subsp. **canescens** (C.Presl) Peruzzi & N.G.Passal.
Onosma echioides (L.) L. subsp. **dalmatica** (Scheele) Peruzzi & N.G.Passal.
 E *Onosma echioides* (L.) L. subsp. **echioides**
Onosma fastigiata (Braun-Blanq.) Lacaita subsp. **fastigiata**
Onosma helvetica (A.DC.) Boiss.
Onosma pseudoarenaria Schur subsp. **fallax** (Borbás) Rauschert
 T *Onosma pseudoarenaria* Schur subsp. **helvetica** Rauschert
 E *Onosma pseudoarenaria* Schur subsp. **lucana** (Lacaita) Rauschert
 E *Onosma pseudoarenaria* Schur subsp. **tridentina** (Wettst.) Braun-Blanq.
Onosma visianii Clementi
Pulmonaria angustifolia L.
Pulmonaria australis (Murr) W.Sauer
Pulmonaria hirta L.
 E *Pulmonaria officinalis* L. subsp. **marzolae** G.Astuti, Peruzzi, Cristof. & P.Pupillo – Note: For the taxonomy and distribution of this subspecies, see Astuti et al. (2014).
Pulmonaria officinalis L. subsp. **officinalis**
Pulmonaria stiriaca A.Kern
 ET *Pulmonaria vallarsae* A.Kern. subsp. **apennina** (Cristof. & Puppi) L.Cecchi & Selvi
 E *Pulmonaria vallarsae* A.Kern. subsp. **vallarsae**
Symphytum bulbosum K.F.Schimp.
 E *Symphytum gussonei* F.W.Schultz
Symphytum officinale L.
Symphytum tanaicense Steven – Note: For the taxonomy and distribution of this species, see Cecchi and Selvi (2017).
Symphytum tuberosum L. subsp. **angustifolium** (A.Kern.) Nyman
- Heliotropiaceae
Heliotropium europaeum L.
 E *Heliotropium suaveolens* M.Bieb. subsp. **bocconeii** (Guss.) Brummitt
Heliotropium supinum L.
- Oleaceae
Chrysojasminum fruticans (L.) Banfi
Fontanesia phillyraeoides Labill.
Fraxinus angustifolia Vahl subsp. **oxycarpa** (M.Bieb. ex Willd.) Franco & Rocha Afonso
Fraxinus excelsior L. subsp. **excelsior**
 ET *Fraxinus excelsior* L. subsp. **siciliensis** Ilardi & Raimondo
Fraxinus ornus L. subsp. **ornus**
Ligustrum vulgare L.
Olea europaea L.
Phillyrea angustifolia L.

***Phillyrea latifolia* L.**

Plantaginaceae

- E ***Anarrhinum bellidifolium*** (L.) Willd.
Anarrhinum corsicum Jord. & Fourr.
Antirrhinum latifolium Mill.
Antirrhinum majus L. subsp. ***tortuosum*** (Bosc. ex Lam.) Rouy
E ***Antirrhinum siculum*** Mill.
Callitriche brutia Petagna
Callitriche cophocarpa Sendtn.
Callitriche cribrosa Schotsman
Callitriche hermaphroditica L.
Callitriche lenisulca Clavaud
Callitriche lusitanica Schotsman
Callitriche obtusangula Le Gall
Callitriche palustris L.
Callitriche platycarpa Kütz.
Callitriche stagnalis Scop.
Callitriche truncata Guss. subsp. ***occidentalis*** (Rouy) Braun-Blanq.
Callitriche truncata Guss. subsp. ***truncata***
Chaenorhinum minus (L.) Lange subsp. ***litorale*** (Willd.) Hayek
Chaenorhinum minus (L.) Lange subsp. ***minus***
Chaenorhinum organifolium (L.) Kostel. subsp. ***organifolium***
Chaenorhinum rubrifolium (Robill. & Castagne ex DC.) Fourr. subsp. ***rubrifolium***
E ***Cymbalaria aequitriloba*** (Viv.) A.Chev. subsp. ***aequitriloba***
E ***Cymbalaria glutinosa*** Bigazzi & Raffaelli subsp. ***brevicalcarata*** Bigazzi & Raffaelli
E ***Cymbalaria glutinosa*** Bigazzi & Raffaelli subsp. ***glutinosa***
E ***Cymbalaria mulleri*** (Moris) A.Chev.
Cymbalaria muralis G.Gaertn., B.Mey. & Scherb. subsp. ***muralis***
Cymbalaria muralis G.Gaertn., B.Mey. & Scherb. subsp. ***visianii*** (Jav.) D.A.Webb
E ***Cymbalaria pallida*** (Ten.) Wettst.
E ***Cymbalaria pubescens*** (C.Presl) Cufod.
Digitalis ferruginea L.
Digitalis grandiflora Mill.
Digitalis laevigata Waldst. & Kit. subsp. ***laevigata***
Digitalis lutea L.
E ***Digitalis micrantha*** Roth ex Schweigg.
Digitalis purpurea L.
Erinus alpinus L.
Globularia alypum L.
Globularia bisnagarica L.
Globularia cordifolia L.
E ***Globularia incanescens*** Viv.
T ***Globularia meridionalis*** (Podp.) O.Schwarz
ET ***Globularia neapolitana*** O.Schwarz
Globularia nudicaulis L.
Globularia repens Lam.
Gratiola officinalis L.
Hippuris vulgaris L.
Kickxia cirrhosa (L.) Fritsch
Kickxia commutata (Bernh. ex Rchb.) Fritsch subsp. ***commutata***
T ***Kickxia commutata*** (Bernh. ex Rchb.) Fritsch subsp. ***graeca*** (Bory & Chaub.) R.Fern.
T ***Kickxia elatine*** (L.) Dumort. subsp. ***crinita*** (Mabille) Greuter
Kickxia elatine (L.) Dumort. subsp. ***elatine***
T ***Kickxia spuria*** (L.) Dumort. subsp. ***integrifolia*** (Brot.) R.Fern.
Kickxia spuria (L.) Dumort. subsp. ***spuria***
Linaria alpina (L.) Mill.
Linaria angustissima (Loisel.) Borbás
E ***Linaria arcuangelii*** Atzei & Camarda
Linaria arvensis (L.) Desf.
E ***Linaria capraria*** Moris & De Not.
Linaria chalepensis (L.) Mill.
Linaria cossonii Barratte
Linaria dalmatica (L.) Mill.
E ***Linaria flava*** (Poir.) Desf. subsp. ***sardoa*** (Sommier) A.Terracc.
Linaria genistifolia (L.) Mill.
Linaria micrantha (Cav.) Hoffmanns. & Link
E ***Linaria multicaulis*** (L.) Mill. subsp. ***aetnensis*** Giardina & Zizza
E ***Linaria multicaulis*** (L.) Mill. subsp. ***humilis*** (Guss.) De Leon., Giardina & Zizza
E ***Linaria multicaulis*** (L.) Mill. subsp. ***multicaulis***
Linaria pelisseriana (L.) Mill.
E ***Linaria pseudolaxiflora*** Lojac.
E ***Linaria purpurea*** (L.) Mill.
T ***Linaria reflexa*** (L.) Desf. subsp. ***lubbockii*** (Batt.) Brullo
Linaria reflexa (L.) Desf. subsp. ***reflexa***
Linaria repens (L.) Mill.
Linaria simplex (Willd.) Desf.
Linaria supina (L.) Chaz. subsp. ***supina***

- E *Linaria tonzigii* Lona
Linaria triphylla (L.) Mill.
Linaria vulgaris Mill. subsp. **vulgaris**
Littorella uniflora (L.) Asch.
Misopates calycinum Rothm.
Misopates orontium (L.) Raf.
Paederota bonarota (L.) L.
Paederota lutea Scop.
Plantago afra L. subsp. **afra**
- T *Plantago afra* L. subsp. **zwierleinii** (Nicotra) Brullo
Plantago albicans L.
Plantago alpina L.
Plantago altissima L.
Plantago amplexicaulis Cav. subsp. **amplexicaulis**
Plantago arenaria Waldst. & Kit.
Plantago argentea Chaix subsp. **argentea**
Plantago argentea Chaix subsp. **liburnica** Ravnik
- T *Plantago atrata* Hoppe subsp. **atrata**
- T *Plantago atrata* Hoppe subsp. **fuscescens** (Jord.) Pilg.
- T *Plantago bellardii* All. subsp. **bellardii**
- T *Plantago bellardii* All. subsp. **deflexa** (Pilg.) Rech.f.
Plantago cornutii Gouan
Plantago coronopus L.
Plantago crassifolia Forssk.
Plantago cupanii Guss.
Plantago humilis Guss.
Plantago lagopus L.
Plantago lanceolata L.
Plantago macrorhiza Poir.
Plantago major L.
Plantago maritima L. subsp. **maritima**
Plantago maritima L. subsp. **serpentina** (All.) Arcang.
- E *Plantago media* L. subsp. **brutia** (Ten.) Arcang. – For the taxonomy of this subspecies, see Palermo et al. (2010).
- E *Plantago media* L. subsp. **media**
- E *Plantago peloritana* Lojac.
- E *Plantago sarda* C.Presl
Plantago sempervirens Crantz
Plantago serraria L.
Plantago subulata L. – Note: A recent study (Hassemer et al. 2017), based on herbarium specimens observations only, proposed to consider *P. holosteum* Scop. and *P. grovesii* Brullo as heterotypic synonyms of *P. subulata* L. Hassemer et al. (2017) do not mention other related taxa, such as *P. sarda* C.Presl and *P. humilis* Guss. A biometric and karyological study is in progress to clarify the biogeographical and taxonomical relationship among all the taxa cited above.
- Plantago weldenii* Rchb.
Veronica acinifolia L.
Veronica agrestis L.
Veronica allionii Vill.
Veronica alpina L.
Veronica anagallis-aquatica L. subsp. **anagallis-aquatica**
Veronica anagalloides Guss.
Veronica angustifolia (Vahl) Watzl – Note: For the taxonomy of this species, see Padilla-García et al. (2018).
Veronica aphylla L. subsp. **aphylla**
- E *Veronica aphylla* L. subsp. **longistyla** (Ball) Arcang.
Veronica arvensis L.
Veronica austriaca L. subsp. **jacquinii** (Baumg.) Watzl
Veronica barrelieri H.Schott ex Roem. & Schult. subsp. **barrelieri**
Veronica barrelieri H.Schott ex Roem. & Schult. subsp. **nitens** (Host) Albach
Veronica beccabunga L.
Veronica bellidioides L.
Veronica catenata Pennell
Veronica chamaedrys L. subsp. **chamaedrys**
Veronica chamaedrys L. subsp. **micans** M.A.Fisch.
Veronica cymbalaria Bodard subsp. **cymbalaria**
- T *Veronica cymbalaria* Bodard subsp. **panormitana** (Guss.) Nyman
Veronica dillenii Crantz
Veronica fruticans Jacq.
Veronica fruticulosa L.
Veronica hederifolia L.
Veronica kindlii Adamović – Note: For the taxonomy and distribution of this species, see Padilla-García et al. (2018). Since these authors studied only plants from Pollino and Sila Massifs in southern Italy (BAS, CAL), the records of '*V. austriaca*' from ABR, CAM and LAZ are provisionally referred here.
Veronica maritima L.
Veronica montana L.
Veronica officinalis L.
Veronica opaca Fr.
Veronica orsiniana Ten.
Veronica polita Fr.
Veronica praecox All.
Veronica prostrata L.
Veronica scutellata L.
Veronica serpyllifolia L.

- Veronica spicata* L. subsp. **fischeri** (Trávn.) Albach
Veronica spicata L. subsp. **spicata**
Veronica sublobata M.A.Fisch.
Veronica trichadena Jord. & Fourr.
Veronica triloba Opiz
Veronica triphyllos L.
Veronica urticifolia Jacq.
E *Veronica verna* L. subsp. **brevistyla** (Moris) Rouy
Veronica verna L. subsp. **verna**
Wulfenia carinthiaca Jacq.
- Scrophulariaceae
Limosella aquatica L.
Scrophularia auriculata L. subsp. **auriculata**
Scrophularia canina L.
Scrophularia frutescens L.
Scrophularia hoppei W.D.J.Koch
E *Scrophularia lucida* L.
Scrophularia morisii Vals.
Scrophularia nodosa L.
Scrophularia oblongifolia Loisel.
Scrophularia peregrina L.
Scrophularia ramosissima Loisel.
E *Scrophularia scopolii* Hoppe ex Pers.
Scrophularia trifoliata L. – Note: For the typification of this name, see Peruzzi et al. (2013c).
Scrophularia umbrosa Dumort. subsp. **umbrosa**
Scrophularia vernalis L.
E *Verbascum alpinum* Turra
Verbascum argenteum Ten.
Verbascum blattaria L.
Verbascum boerhavii L.
Verbascum chaixii Vill. subsp. **austriacum** (Schott ex Roem. & Schult.) Hayek
Verbascum chaixii Vill. subsp. **chaixii**
E *Verbascum conocarpum* Moris subsp. **conocarpum**
Verbascum creticum (L.) Kuntze
Verbascum densiflorum Bertol.
Verbascum longifolium Ten.
Verbascum lychnitis L.
Verbascum macrurum Ten.
E *Verbascum magellense* Ten.
Verbascum mallophorum Boiss. & Heldr.
Verbascum nigrum L.
ET *Verbascum niveum* Ten. subsp. **garganicum** (Ten.) Murb.
ET *Verbascum niveum* Ten. subsp. **inarimense** Murb.
Verbascum niveum Ten. subsp. **niveum**
Verbascum phlomoides L.
Verbascum phoeniceum L.
E *Verbascum plantagineum* Moris
Verbascum pulverulentum Vill.
Verbascum rotundifolium Ten.
Verbascum samniticum Ten.
E *Verbascum siculum* Tod. ex Lojac.
Verbascum sinuatum L.
Verbascum thapsus L. subsp. **montanum** (Schrad.) Bonnier & Layens
Verbascum thapsus L. subsp. **thapsus**
- Lamiaceae
Taxonomic references: *Stachys* L. (incl. *Prasium* L. and *Sideritis* L.) (Bartolucci et al. 2014b; Galasso et al. 2016b).
Acanthoprasium frutescens (L.) Spenn.
Ajuga chamaepitys (L.) Schreb. subsp. **chamaepitys**
Ajuga chamaepitys (L.) Schreb. subsp. **chia** (Schreb.) Arcang.
Ajuga chamaepitys (L.) Schreb. subsp. **suffrutescens** (Willk.) Greuter & Brudet
Ajuga genevensis L.
Ajuga iva (L.) Schreb. subsp. **iva**
T *Ajuga iva* (L.) Schreb. subsp. **pseudoiva** (DC.) Briq.
Ajuga orientalis L.
Ajuga pyramidalis L.
Ajuga reptans L.
E *Ajuga tenorei* C.Presl
Ballota hispanica (L.) Benth.
T *Ballota nigra* L. subsp. **meridionalis** (Bég.) Bég.
Ballota nigra L. subsp. **nigra**
T *Ballota nigra* L. subsp. **uncinata** (Fiori & Bég.) Patzak
T *Ballota nigra* L. subsp. **velutina** (Posp.) Patzak
Betonica alopecuroides L. subsp. **alopecuroides**
E *Betonica alopecuroides* L. subsp. **divulsa** (Ten.) Bartolucci & Peruzzi
Betonica hirsuta L.
Betonica officinalis L. – Note: *Betonica serotina* Host is provisionally included here.

- Chaiturus marrubiastrum* (L.) Ehrh. ex Rchb.
Clinopodium acinos (L.) Kuntze subsp. **acinos**
Clinopodium acinos (L.) Kuntze subsp. **villosum** (Gaudin) Peruzzi & F.Conti
Clinopodium alpinum (L.) Merino subsp. **alpinum**
Clinopodium alpinum (L.) Merino subsp. **meridionale** (Nyman) Govaerts
E *Clinopodium alpinum* (L.) Merino subsp. **nebrodense** (A.Kern. & Strobl) Bartolucci & F.Conti
Clinopodium einseleanum (F.W.Schultz) Peruzzi & F.Conti
Clinopodium grandiflorum (L.) Kuntze
Clinopodium graveolens (M.Bieb.) Kuntze
E *Clinopodium minae* (Lojac.) Peruzzi & F.Conti
T *Clinopodium nepeta* (L.) Kuntze subsp. **ascendens** (Jord.) B.Bock
Clinopodium nepeta (L.) Kuntze subsp. **nepeta**
T *Clinopodium nepeta* (L.) Kuntze subsp. **spruneri** (Boiss.) Bartolucci & F.Conti
T *Clinopodium nepeta* (L.) Kuntze subsp. **sylvaticum** (Bromf.) Peruzzi & F.Conti
E *Clinopodium raimondoi* Spadaro, Faqi & Mazzola
E *Clinopodium sandalioticum* (Bacch. & Brullo) Bacch. & Brullo ex Peruzzi & F.Conti
E *Clinopodium sardoum* (Asch. & Levier) Peruzzi & F.Conti
Clinopodium serpyllifolium (M.Bieb.) Kuntze subsp. **fruticosum** (L.) Bräuchler
Clinopodium suaveolens (Sm.) Kuntze
Clinopodium subnudum (Waldst. & Kit.) Kuntze
Clinopodium thymifolium (Scop.) Kuntze
Clinopodium vulgare L. subsp. **arundanum** (Boiss.) Nyman
Clinopodium vulgare L. subsp. **vulgare**
Dracocephalum austriacum L.
Dracocephalum ruyschiana L.
Galeopsis angustifolia Ehrh. ex Hoffm. subsp. **angustifolia**
Galeopsis bifida Boenn.
Galeopsis ladanum L.
Galeopsis pubescens Besser
Galeopsis reuteri Rchb.f.
Galeopsis segetum Neck.
Galeopsis speciosa Mill.
Galeopsis sulphurea Jord.
Galeopsis tetrahit L.
Glechoma hederacea L.
Glechoma hirsuta Waldst. & Kit.
E *Glechoma sardoa* (Bég.) Bég.
Horminum pyrenaicum L.
T *Hyssopus officinalis* L. subsp. **aristatus** (Godr.) Nyman
Hyssopus officinalis L. subsp. **officinalis**
Lamium album L. subsp. **album**
Lamium amplexicaule L.
Lamium bifidum Cirillo subsp. **balcanicum** Velen.
Lamium bifidum Cirillo subsp. **bifidum**
Lamium flexuosum Ten.
Lamium galeobdolon (L.) L. subsp. **flavidum** (F.Herm.) A.Löve & D.Löve
Lamium galeobdolon (L.) L. subsp. **galeobdolon**
Lamium galeobdolon (L.) L. subsp. **montanum** (Pers.) Hayek
E *Lamium garganicum* L. subsp. **corsicum** (Godr. & Gren.) Arcang.
Lamium garganicum L. subsp. **garganicum**
Lamium garganicum L. subsp. **laevigatum** Arcang.
Lamium garganicum L. subsp. **striatum** (Sm.) Hayek
Lamium hybridum Vill.
Lamium maculatum L.
Lamium orvala L.
Lamium purpureum L.
Lavandula angustifolia Mill.
E *Lavandula austroalpennina* N.G.Passal., Tundis & Upson
Lavandula latifolia Medik.
Lavandula multifida L.
Lavandula stoechas L. subsp. **stoechas**
Lycopus europaeus L.
Lycopus exaltatus L.f.
Marrubium alysson L.
Marrubium incanum Desr.
Marrubium vulgare L.
Melissa officinalis L. subsp. **altissima** (Sm.) Arcang.
C *Melissa officinalis* L. subsp. **officinalis**
Melittis melissophyllum L. subsp. **albida** (Guss.) P.W.Ball
Melittis melissophyllum L. subsp. **melissophyllum**
Mentha aquatica L. subsp. **aquatica**
Mentha arvensis L.
Mentha cervina L.
Mentha longifolia (L.) L.
Mentha microphylla K.Koch
Mentha pulegium L. subsp. **pulegium**
E *Mentha requienii* Benth. subsp. **bistaminata** Mannocci & Falconcini
E *Mentha requienii* Benth. subsp. **requienii**

- Mentha spicata* L.
T *Mentha suaveolens* Ehrh. subsp. **insularis** (Req.) Greuter
Mentha suaveolens Ehrh. subsp. **suaveolens**
E *Micromeria cordata* (Moris ex Bertol.) Moris
Micromeria filiformis (Aiton) Benth. subsp. **filiformis**
ET *Micromeria graeca* (L.) Benth. ex Rchb. subsp. **consentina** (Ten.) Guinea
T *Micromeria graeca* (L.) Benth. ex Rchb. subsp. **fruticulosa** (Bertol.) Guinea
ET *Micromeria graeca* (L.) Benth. ex Rchb. subsp. **garganica** (Briq.) Guinea
Micromeria graeca (L.) Benth. ex Rchb. subsp. **graeca**
ET *Micromeria graeca* (L.) Benth. ex Rchb. subsp. **longiflora** (C.Presl) Nyman
ET *Micromeria graeca* (L.) Benth. ex Rchb. subsp. **tenuifolia** (Ten.) Nyman
Micromeria juliana (L.) Benth. ex Rchb.
Micromeria marginata (Sm.) Chater
Micromeria microphylla (d'Urv.) Benth.
Micromeria nervosa (Desf.) Benth.
Moluccella spinosa L.
Nepeta apuleii Ucria
Nepeta cataria L.
E *Nepeta foliosa* Moris
Nepeta italica L.
Nepeta nepetella L. subsp. **nepetella**
Nepeta nuda L. subsp. **nuda**
Nepeta tuberosa L. subsp. **tuberosa**
Origanum onites L.
T *Origanum vulgare* L. subsp. **prismaticum** Gaudin
T *Origanum vulgare* L. subsp. **viridulum** (Martrin-Donos) Nyman
Origanum vulgare L. subsp. **vulgare**
Phlomis fruticosa L.
Phlomis herba-venti L. subsp. **herba-venti**
DD *Phlomis lanata* Willd.
E *Phlomis tenorei* Soldano
Prunella grandiflora (L.) Scholler
Prunella hyssopifolia L.
Prunella laciniata (L.) L.
Prunella vulgaris L. subsp. **vulgaris**
Salvia aethiopsis L.
Salvia argentea L.
E *Salvia ceratophylloides* Ard.
Salvia clandestina L.
E *Salvia desoleana* Atzei & V.Picci
ET *Salvia fruticosa* Mill. subsp. **thomasi** (Lacaita) Brullo, Guglielmo, Pavone & Terrasi
Salvia glutinosa L.
E *Salvia haematodes* L.
Salvia nemorosa L. subsp. **nemorosa**
T *Salvia officinalis* L. subsp. **gallica** (W.Lippert) Reales, D.Rivera & Obón
Salvia officinalis L. subsp. **officinalis**
Salvia pratensis L. subsp. **pratensis**
E *Salvia pratensis* L. subsp. **saccardiana** (Pamp.) Poldini
Salvia rosmarinus Schleid.
Salvia sclarea L.
Salvia verbenaca L.
Salvia verticillata L. subsp. **verticillata**
Salvia virgata Jacq.
Salvia viridis L.
Satureja cuneifolia Ten.
Satureja montana L. subsp. **montana**
Satureja montana L. subsp. **variegata** (Host) P.W.Ball
Satureja subspicata Bartl. ex Vis. subsp. **liburnica** Šilic
Satureja thymbra L.
Scutellaria alpina L. subsp. **alpina**
Scutellaria altissima L.
Scutellaria columnae All. subsp. **columnae**
ET *Scutellaria columnae* All. subsp. **gussonei** (Ten.) Arcang.
Scutellaria galericulata L.
Scutellaria hastifolia L.
Scutellaria minor Huds.
E *Scutellaria rubicunda* Hornem.
Stachys alpina L. subsp. **alpina**
Stachys annua (L.) L. subsp. **annua**
Stachys arenaria Vahl subsp. **arenaria**
Stachys arvensis (L.) L.
Stachys brachyclada Noë ex Coss.
E *Stachys corsica* Pers.
Stachys cretica L.
ET *Stachys germanica* L. subsp. **dasyanthos** (Raf.) Arcang.
Stachys germanica L. subsp. **germanica**
T *Stachys germanica* L. subsp. **salviifolia** (Ten.) Gams
E *Stachys glutinosa* L.

- Stachys guillonii* (Timb.-Lagr.) Soldano, Peruzzi & Bartolucci subsp. ***hyssopifolia*** (L.) Soldano, Peruzzi & Bartolucci
- Stachys heraclea* All.
- E *Stachys italica* Mill.
- Stachys major* (L.) Bartolucci & Peruzzi
- Stachys maritima* Gouan
- Stachys marrubiifolia* Viv.
- Stachys montana* (L.) Peruzzi & Bartolucci subsp. ***montana***
- Stachys ocymastrum* (L.) Briq.
- Stachys palustris* L.
- T *Stachys recta* L. subsp. ***grandiflora*** (Caruel) Arcang.
- Stachys recta* L. subsp. ***recta***
- T *Stachys recta* L. subsp. ***subcrenata*** (Vis.) Briq.
- ET *Stachys recta* L. subsp. ***tenoreana*** Bornm.
- Stachys romana* (L.) E.H.L.Krause
- Stachys rossii* (Peris, Stübing, Jury & Rejdali) Bartolucci, Peruzzi & Soldano
- E *Stachys salisii* Jord. & Fourr.
- Stachys sylvatica* L.
- Stachys thirkei* K.Koch
- Stachys tymphaea* Hausskn.
- Teucrium botrys* L.
- Teucrium campanulatum* L.
- Teucrium capitatum* L. subsp. ***capitatum***
- Teucrium chamaedrys* L. subsp. ***chamaedrys***
- T *Teucrium chamaedrys* L. subsp. ***pectinatum*** Rech.f.
- Teucrium creticum* L.
- Teucrium flavum* L. subsp. ***flavum***
- Teucrium flavum* L. subsp. ***glaucum*** (Jord. & Fourr.) Ronniger
- Teucrium fruticans* L. subsp. ***fruticans***
- Teucrium lucidum* L.
- Teucrium luteum* (Mill.) Degen
- Teucrium marum* L.
- Teucrium massiliense* L.
- Teucrium montanum* L.
- Teucrium polium* L. subsp. ***polium***
- Teucrium polium* L. subsp. ***purpurascens*** (Benth.) S.Puech
- Teucrium scordium* L. subsp. ***scordioides*** (Schreb.) Arcang.
- Teucrium scordium* L. subsp. ***scordium***
- Teucrium scorodonia* L.
- E *Teucrium siculum* (Raf.) Guss. subsp. ***euganeum*** (Vis.) Tornad.
- Teucrium siculum* (Raf.) Guss. subsp. ***siculum***
- Teucrium spinosum* L.
- Teucrium subspinosum* Pourr. ex Willd.
- Thymbra capitata* (L.) Cav.
- Thymus carstiensis* (Velen.) Ronniger – Note: This species was considered as a hybrid between *Th. longicaulis* C.Presl and *Th. pulegioides* L., but it has been recently reevaluated as an independent species (Bartolucci et al. 2017c).
- Thymus herba-barona* Loisel. – Note: For the taxonomy of this species, see Molins et al. (2011).
- Thymus illyricus* Ronniger
- Thymus longicaulis* C.Presl subsp. ***longicaulis*** – Note: All the Alpine records of this species have to be referred to other taxa (Bartolucci and Domina 2014).
- Thymus moesiacus* Velen. – Note: Several records of *Th. oenipontanus* Heinr.Braun ex Borbás from central and southern Italy should be referred to this species. *Thymus moesiacus* [= *Th. chaubardii* (Boiss. & Heldr. ex Rchb.f.) Čelak. var. *subisophyllus* Borbás ≡ *Th. longicaulis* C.Presl var. *subisophyllus* (Borbás) Jalas] is closely related to *Th. glabrescens* Willd. subsp. *urumovii* (Velen.) Jalas. [= *Th. callieri* Borbás ex Velen. var. *microcalyx* Degen & Urum.], and further studies are needed to establish the systematic relationships among these taxa.
- Thymus oenipontanus* Heinr.Braun ex Borbás – Note: The distribution of this species needs further investigations. For its nomenclature, see Bartolucci and Scharfetter (2015).
- E *Thymus paronychioides* Čelak. – Note: For the nomenclature, taxonomy and distribution of this species, belonging to *Th. sect. Hyphodromi* (A. Kern.) Halácsy, see Bartolucci and Peruzzi (2014) and Bartolucci and Domina (2015).
- E *Thymus picentinus* (Lacaita) Bartolucci – Note: The records of *Th. thracicus* Velen. from southern Italy have to be referred to this species (Bartolucci et al. 2013; Bartolucci and Mráz 2016).
- E *Thymus praecox* Opiz subsp. ***parvulus*** (Lojac.) Bartolucci, Peruzzi & N.G.Passal.
- Thymus praecox* Opiz subsp. ***polytrichus*** (A.Kern ex Borbás) Jalas
- Thymus praecox* Opiz subsp. ***praecox***
- T *Thymus pseudochamaedrys* (Heinr.Braun) Ronniger – Note: The taxonomic identity of this species, closely related to *Th. oenipontanus* Heinr.Braun ex Borbás, is still unclear. In addition, both these names are yet to be typified.
- Thymus pulegioides* L. – Note: It is a highly polymorphic species, which is generally divided into different subspecies [i.e. *Th. pulegioides* subsp. *chamaedrys* (Fr.) Guşul., subsp. *effusus* (Host) Ronniger, subsp. *montanus* (Benth.) Ronniger and subsp. *pannonicus* (All.) Kerguelén] on the basis of calyx length, leaf length and width, inflorescence length and leaf hairiness. Considering the morphological variability observed in the putative diagnostic characters, the constant presence of intermediate forms, the absence of any ecological or geographical discontinuity, it is impossible to justify any subdivision of *Th. pulegioides* in subspecies. Waiting for further studies, we can recognize just two varieties: the glabrous plants pertain to var. *pulegioides* (*Th. glaber* Mill., *Th. ovatus* Mill., *Th. chamaedrys* Fr., *Th. pulegioides* subsp. *montanus* (Benth.) Ronniger, incl. *Th. istriacus* Heinr. Braun, *Th. alpestris* auct. Fl. Ital.) and hairy plants pertain to var. *vestitus* (Lange) Jalas (*Th. lanuginosus* Mill., *Th. pannonicus* All., *Th. froelichianus* Opiz, *Th. carniolicus* Borbás ex Déségl., *Th. valderius* Ronniger) (Bartolucci et al. 2013).
- E *Thymus richardii* Pers. subsp. ***nitidus*** (Guss.) Jalas
- E *Thymus spinulosus* Ten.
- Thymus striatus* Vahl subsp. ***acicularis*** (Waldst. & Kit.) Ronniger
- Thymus striatus* Vahl subsp. ***striatus***
- Thymus vallicola* (Heinr.Braun) Ronniger
- Thymus vulgaris* L. subsp. ***vulgaris***

Thymus zygiformis Heinr.Braun – Note: The records of *Th. thracicus* Velen. from central Italy have to be referred to this species (Bartolucci and Walter 2015).

Only *Th. zygiformis* var. *magellensis* (Ronniger) Bartolucci & J.Walter occurs in Italy.

Vitex agnus-castus L.

Orobanchaceae

Taxonomic references: *Bartsia* L., *Bellardia* All., and *Parentucellia* Viv. (Uribe-Convers and Tank 2016); *Odontites* Ludw. (Pinto-Carrasco et al. 2017); *Phelipanche* Pomel (Domina 2017).

Bartsia alpina L.

Bellardia trixago (L.) All.

Bellardia viscosa (L.) Fisch. & C.A.Mey.

Euphrasia alpina Lam. subsp. *alpina*

Euphrasia alpina Lam. subsp. *christii* (Favrat) Hayek

Euphrasia cisalpina Pugsley

Euphrasia cuspidata Host

Euphrasia hirtella Jord. ex Reut.

Euphrasia illyrica Wettst.

Euphrasia italica Wettst.

Euphrasia liburnica Wettst.

Euphrasia marchesettii Wettst. ex Marches.

Euphrasia micrantha Rchb.

Euphrasia minima Jacq. ex DC.

E *Euphrasia nana* (Rouy) Prain

Euphrasia officinalis L. subsp. *keneri* (Wettst.) Eb.Fisch.

Euphrasia officinalis L. subsp. *picta* (Wimm.) Oborny

Euphrasia officinalis L. subsp. *rostkoviana* (Hayne) Towns.

Euphrasia portae Wettst.

Euphrasia salisburgensis Funck ex Hoppe

Euphrasia stricta D.Wolff ex J.F.Lehm.

E *Euphrasia tricuspida* L.

Lathraea clandestina L.

Lathraea squamaria L.

Melampyrum arvense L. subsp. *arvense*

Melampyrum barbatum Waldst. & Kit. subsp. *carstiense* Ronniger

Melampyrum catalaunicum Freyn

Melampyrum cristatum L. subsp. *cristatum*

Melampyrum fimbriatum Vandas

E *Melampyrum italicum* (Beauverd) Soó

Melampyrum nemorosum L.

T *Melampyrum pratense* L. subsp. *commutatum* (Tausch ex A.Kern.) C.E.Britton

Melampyrum pratense L. subsp. *pratense*

Melampyrum sylvaticum L. subsp. *sylvaticum*

E *Melampyrum variegatum* (Porta & Rigo) Huter

Melampyrum velebiticum Borbás

ET *Odontites bocconeii* (Guss.) Walp. subsp. *angustifolius* (Lojac.) Giardina & Raimondo

E *Odontites bocconeii* (Guss.) Walp. subsp. *bocconeii*

E *Odontites corsicus* (Loisel.) G.Don

Odontites luteus (L.) Clairv. subsp. *lanceolatus* (Gaudin) P.Fourn.

Odontites luteus (L.) Clairv. Subsp. *luteus*

E *Odontites rigidifolius* (Biv.) Benth.

E *Odontites sillettii* Brullo, V.Tomas. & Wagens. – Note: For the taxonomy and distribution of this species, see Brullo et al. (2015b).

Odontites vernus (Bellardi) Dumort. subsp. *serotinus* (Dumort.) Corb.

Odontites vernus (Bellardi) Dumort. subsp. *siculus* (Guss.) P.D.Sell

Odontites vernus (Bellardi) Dumort. subsp. *vernus*

Odontites viscosus (L.) Clairv. subsp. *viscosus*

Orobanche alba Stephan ex Willd.

Orobanche alsatica Kirschl.

Orobanche amethystea Thuill.

E *Orobanche apuana* Domina & Soldano

Orobanche artemisiae-campestris Gaudin

E *Orobanche australis* Moris ex Bertol.

Orobanche balsensis (J.A.Guim.) Carlón, M.Lainz, Moreno Mor. & Ó.Sánchez

Orobanche canescens C.Presl

Orobanche caryophyllacea Sm.

Orobanche cernua Loeffl.

E *Orobanche chironii* Lojac.

Orobanche crenata Forssk.

Orobanche crinita Viv.

Orobanche cumana Wallr.

E *Orobanche denudata* Moris

E *Orobanche ebuli* Huter & Rigo

Orobanche elatior Sutton

Orobanche flava Mart. ex F.W.Schultz

Orobanche foetida Poir.

Orobanche gracilis Sm.

Orobanche hederae Vaucher ex Duby

Orobanche kochii F.W.Schultz

Orobanche laserpitii-sileris Reut. ex Jord.

Orobanche litorea Guss.

- Orobanche lucorum*** A.Braun ex F.W.Schultz
Orobanche lutea Baumg.
Orobanche lycoctoni Rhiner
Orobanche minor Sm.
Orobanche pancicii Beck
Orobanche pubescens d'Urv.
Orobanche rapum-genistae Thuill.
E ***Orobanche reticulata*** Wallr. subsp. ***reticulata***
Orobanche rigens Loisel.
Orobanche salviae F.W.Schultz
Orobanche sanguinea C.Presl
E ***Orobanche teucrii*** Holandre
Orobanche thapsoides Lojac.
Orobanche variegata Wallr.
Parentucellia latifolia (L.) Caruel
Pedicularis acaulis Scop.
Pedicularis ascendens Schleich. ex Gaudin
Pedicularis aspleniifolia Flörke ex Willd.
Pedicularis cenisia Gaudin
E ***Pedicularis comosa*** L. subsp. ***comosa***
Pedicularis elegans Ten.
Pedicularis elongata A.Kern. subsp. ***elongata***
Pedicularis elongata A.Kern. subsp. ***julica*** (E.Mayer) Hartl
Pedicularis foliosa L.
Pedicularis friderici-augusti Tomm.
Pedicularis gyroflexa Vill.
Pedicularis hacquetii Graf
Pedicularis hoermanniana K.Malý
Pedicularis kernerii Dalla Torre
Pedicularis oederi Vahl
Pedicularis palustris L. subsp. ***palustris***
Pedicularis petiolaris Ten.
Pedicularis recutita L.
Pedicularis rosea Wulfen subsp. ***allionii*** (Rchb.f.) Arcang.
Pedicularis rosea Wulfen subsp. ***rosea***
Pedicularis rostratocapitata Crantz
Pedicularis rostratospicata Crantz subsp. ***helvetica*** (Steininger) O.Schwarz
Pedicularis rostratospicata Crantz subsp. ***rostratospicata***
Pedicularis sylvatica L. subsp. ***sylvatica***
Pedicularis tuberosa L.
Pedicularis verticillata L. subsp. ***verticillata***
Phelipanche arenaria (Borkh.) Pomel
Phelipanche lavandulacea (Rchb.) Pomel subsp. ***lavandulacea***
Phelipanche mutelii (F.W.Schultz) Reut.
Phelipanche nana (Reut.) Soják
Phelipanche oxyloba (Reut.) Soják
Phelipanche purpurea (Jacq.) Soják
Phelipanche ramosa (L.) Pomel
Phelipanche rosmarina (Welw. ex Beck) Banfi, Galasso & Soldano
Phelipanche schultzei (Mutel) Pomel
Rhinanthus alectorolophus (Scop.) Pollich subsp. ***alectorolophus***
Rhinanthus angustifolius C.C.Gmel. subsp. ***angustifolius***
Rhinanthus antiquus (Sterneck) Schinz & Thell.
E ***Rhinanthus apuanus*** Soldano
Rhinanthus burnatii (Chabert) Soó
Rhinanthus facchinii Chabert
Rhinanthus freynii (Sterneck) Fiori
Rhinanthus glacialis Personnat subsp. ***glacialis***
E ***Rhinanthus helenae*** Chabert
Rhinanthus minor L.
Rhinanthus ovifugus Chabert
Rhinanthus pampaninii Chabert subsp. ***pampaninii***
Rhinanthus pampaninii Chabert subsp. ***simplex*** Zirnich & Cohrs
Rhinanthus pumilus (Sterneck) Pau
Rhinanthus rumelicus Velen.
Rhinanthus songeonii Chabert
E ***Rhinanthus wettsteinii*** (Sterneck) Soó
Rhynchosocorys elephas (L.) Griseb.
Tozzia alpina L. subsp. ***alpina***

Verbenaceae

Verbena officinalis L.***Verbena supina*** L.

Linderniaceae

Lindernia procumbens (Krocker) Philcox

Acanthaceae

Acanthus mollis L. subsp. *mollis**Acanthus spinosus* L.

Lentibulariaceae

Taxonomic references: *Utricularia* L. (Astuti and Peruzzi, 2018).*Pinguicula alpina* L.E *Pinguicula apuana* Casper & AnsaldiE *Pinguicula christinae* Peruzzi & GestriE *Pinguicula fiorii* Tammaro & PaceC *Pinguicula grandiflora* Lam. subsp. *grandiflora**Pinguicula hirtiflora* Ten.E *Pinguicula lattanziae* Peruzzi & GestriET *Pinguicula lavalvae* Innangi & Izzo – Note: According to De Castro et al. (2016), this species falls within the infraspecific variability of *P. hirtiflora*.*Pinguicula leptoceras* Rchb. Note: The nomenclature and taxonomy of the name *P. arvetii* Genty require further studies (De Castro et al. 2016).*Pinguicula mariae* CasperE *Pinguicula poldinii* J.Steiger & Casper*Pinguicula reichenbachiana* Schindl.E *Pinguicula sehuensis* Bacch., Carras & PeruzziE *Pinguicula vallis-regiae* F.Conti & PeruzziE *Pinguicula vulgaris* L. subsp. *anzalonei* Peruzzi & F.ContiE *Pinguicula vulgaris* L. subsp. *ernica* Peruzzi & F.ContiE *Pinguicula vulgaris* L. subsp. *vestina* F.Conti & Peruzzi*Pinguicula vulgaris* L. subsp. *vulgaris**Utricularia australis* R.Br.T *Utricularia bremii* Heer ex Koell.*Utricularia minor* L.*Utricularia stygia* G.Thor*Utricularia vulgaris* L.

Aquifoliaceae

Ilex aquifolium L.

Campanulaceae

Adenophora liliifolia (L.) Ledeb. ex A.DC.E *Asyneuma limonifolium* (L.) Janch. subsp. *limonifolium**Asyneuma trichocalycinum* (Ten.) K.Malý*Campanula alpestris* All.*Campanula barbata* L.E *Campanula bertolae* Colla*Campanula bononiensis* L.*Campanula carnica* Schiede ex Mert. & W.D.J.Koch subsp. *carnica*E *Campanula carnica* Schiede ex Mert. & W.D.J.Koch subsp. *puberula* Podlech*Campanula cenisia* L.*Campanula cervicaria* L.*Campanula cespitosa* Scop.*Campanula cochleariifolia* Lam.*Campanula dichotoma* L.E *Campanula elatines* L.E *Campanula elatinoides* Moretti*Campanula erinus* L.*Campanula excisa* Schleich. ex Murith*Campanula foliosa* Ten.E *Campanula forsythii* (Arcang.) Bég.E *Campanula fragilis* Cirillo subsp. *cavolinii* (Ten.) DamboldtE *Campanula fragilis* Cirillo subsp. *fragilis**Campanula fritschii* WitasekE *Campanula garganica* Ten. subsp. *garganica**Campanula glomerata* L.E *Campanula isophylla* Moretti*Campanula latifolia* L.*Campanula lingulata* Waldst. & Kit.*Campanula macrorhiza* J.Gay ex A.DC.E *Campanula martinii* F.Fen., Pistarino, Peruzzi & Cellin. – Note: For the taxonomy and distribution of this species, see Fenaroli et al. (2013).*Campanula medium* L.E *Campanula micrantha* Bertol.E *Campanula morettiana* Rchb.*Campanula patula* L. subsp. *jahorinae* (K.Malý) Greuter & Burdet*Campanula patula* L. subsp. *patula**Campanula persicifolia* L. subsp. *persicifolia**Campanula persicifolia* L. subsp. *sessiliflora* (K.Koch) Velen.E *Campanula petraea* L.*Campanula pyramidalis* L.E *Campanula raineri* Perp.*Campanula ramosissima* Sm.*Campanula rapunculoides* L. subsp. *rapunculoides**Campanula rapunculus* L.

- E *Campanula reatina* Lucchese
Campanula rhomboidalis L.
Campanula rotundifolia L. subsp. **rotundifolia**
E *Campanula sabatia* De Not.
E *Campanula scheuchzeri* Vill. subsp. **pollinensis** (Podlech) Bernardo, Gargano & Peruzzi – Note: Giardina et al. (2007) consider *C. scheuchzeri* subsp. *marcenoi* (Brullo) Raimondo as a further subspecies, endemic to Sicily. However, these authors do not provide further experimental data to support their view, with respect to those presented by Bernardo et al. (2004). The latter authors, after a morphometric study, included *C. marcenoi* (Brullo 1993) within the variability of *C. scheuchzeri* subsp. *pollinensis*, and their proposal is supported here.
E *Campanula scheuchzeri* Vill. subsp. **pseudostenocodon** (Lacaita) Bernardo, Gargano & Peruzzi
Campanula scheuchzeri Vill. subsp. **scheuchzeri**
Campanula sibirica L. subsp. **divergentiformis** (Jáv.) Domin
Campanula sibirica L. subsp. **sibirica**
Campanula spicata L.
Campanula stenocodon Boiss. & Reut.
E *Campanula tanfanii* Podlech
Campanula thyrsoides L. subsp. **carniolica** (Sünd.) Podlech
Campanula thyrsoides L. subsp. **thyrsoides**
Campanula trachelium L. subsp. **trachelium**
Campanula versicolor Andrews
Campanula witasekiana Vierh.
Campanula zoysii Wulfen
E *Edraianthus graminifolius* (L.) A.DC. subsp. **graminifolius**
ET *Edraianthus graminifolius* (L.) A.DC. subsp. **siculus** (Strobl) Greuter & Burdet
Jasione laevis Lam. subsp. **laevis**
Jasione maritima (Duby) Merino
Jasione montana L.
Jasione orbiculata Griseb. ex Velen.
E *Jasione sphaerocephala* Brullo, Marcenò & Pavone
T *Legousia falcata* (Ten.) Janch. subsp. **castellana** (Lange) Jauzein
Legousia falcata (Ten.) Janch. subsp. **falcata**
Legousia hybrida (L.) Delarbre
Legousia speculum-veneri (L.) Chaix
Physoplexis comosa (L.) Schur
Phyteuma betonicifolium Vill.
Phyteuma charmelii Vill.
Phyteuma cordatum Balb.
Phyteuma globulariifolium Sternb. & Hoppe subsp. **globulariifolium**
Phyteuma globulariifolium Sternb. & Hoppe subsp. **pedemontanum** (Rich.Schulz) Becherer
Phyteuma hedraianthifolium Rich.Schulz
Phyteuma hemisphaericum L.
Phyteuma humile Schleich. ex Gaudin
Phyteuma italicum Arv.-Touv.
Phyteuma michelii All.
Phyteuma orbiculare L.
E *Phyteuma ovatum* Honck. subsp. **ovatum**
Phyteuma ovatum Honck. subsp. **pseudospicatum** Pignatti
Phyteuma scheuchzeri All. subsp. **columnae** (Gaudin) Bech.
Phyteuma scheuchzeri All. subsp. **scheuchzeri**
Phyteuma sieberi Spreng.
Phyteuma spicatum L. subsp. **occidentale** Rich.Schulz
Phyteuma spicatum L. subsp. **spicatum**
Phyteuma villarsii Rich.Schulz
Phyteuma zahlbruckneri Vest
E *Solenopsis bivonae* (Tineo) M.B.Crespo, Serra & Juan
Solenopsis corsica (Meikle) M.B.Crespo, Serra & Juan
E *Solenopsis laurentia* (L.) C.Presl
ET *Solenopsis mothiana* C.Brullo, Brullo & Giusso
E *Trachelium caeruleum* L. subsp. **lanceolatum** (Guss.) Arcang.
Wahlenbergia lobelioides (L.f.) Link subsp. **nutabunda** (Guss.) Murb.

Menyanthaceae

- Menyanthes trifoliata* L.
Nymphoides peltata (S.G.Gmel.) Kuntze

Asteraceae

Taxonomic references: *Centaurea* L. (Domina et al. 2016; 2017a); *Centaurea rupestris* L. group (Conti et al. 2011); *Jacobaea* Mill. (Nordenstam and Greuter 2006; Peruzzi et al. 2006; 2007; Passalacqua et al. 2008; Galasso and Bartolucci 2015); *Leontopodium* R.Br. ex Cass. (Blöch et al. 2010); *Omalotheca* Cass. (Nie et al. 2016; Bartolucci et al. 2017b); *Senecio* L. sect. *Crociseris* (Reich.) Boiss. (Calvo et al. 2015); *Taraxacum* F.H.Wigg. (Kirschner and Štěpánek 1998; Arrigoni et al. 2006; Arrigoni 2007, 2012; Kirschner et al. 2007 onwards; Uhlemann 2007, 2017; Aquaro et al. 2008; 2009; Peruzzi et al. 2009; Carlesi and Peruzzi 2012; Štěpánek and Kirschner 2012).

Achillea ageratum L.

- Achillea atrata* L.
E *Achillea barrelieri* (Ten.) Sch.Bip. subsp. **barrelieri**
E *Achillea barrelieri* (Ten.) Sch.Bip. subsp. **elegans** (Fiori) Bazzich.
E *Achillea barrelieri* (Ten.) Sch.Bip. subsp. **mucronulata** (Bertol.) Heimerl
Achillea barrelieri (Ten.) Sch.Bip. subsp. **oxyloba** (DC.) F.Conti & Soldano
Achillea clavennae L.

- Achillea collina* (Becker ex Wirtg.) Heimerl
Achillea distans Waldst. & Kit. ex Willd. subsp. ***distans***
Achillea distans Waldst. & Kit. ex Willd. subsp. ***stricta*** (Gremli) Janch.
Achillea distans Waldst. & Kit. ex Willd. subsp. ***tanacetifolia*** (Fiori) Janch.
Achillea erba-rotta All. subsp. ***erba-rotta***
Achillea erba-rotta All. subsp. ***moschata*** (Wulfen) I.Richardson
Achillea ligustica All.
Achillea macrophylla L.
Achillea maritima (L.) Ehrend. & Y.P.Guo subsp. ***maritima***
Achillea millefolium L. subsp. ***millefolium***
Achillea millefolium L. subsp. ***sudetica*** (Opiz) Oborny
Achillea nana L.
Achillea nobilis L. subsp. ***neilreichii*** (A.Kern.) Velen.
Achillea nobilis L. subsp. ***nobilis***
Achillea pannonica Scheele
Achillea pratensis Saukel & R.Länger
Achillea ptarmica L.
Achillea roseoalba Ehrend.
ET *Achillea rupestris* Huter, Porta & Rigo subsp. ***calcarea*** (Huter, Porta & Rigo) Greuter
E *Achillea rupestris* Huter, Porta & Rigo subsp. ***rupestris***
Achillea setacea Waldst. & Kit.
E *Achillea tenorei* Grande
Achillea tomentosa L.
Achillea virescens (Fenzl) Heimerl
Adenostyles alliariae (Gouan) A.Kern.
E *Adenostyles alpina* (L.) Bluff & Fingerh. subsp. ***alpina***
E *Adenostyles alpina* (L.) Bluff & Fingerh. subsp. ***macrocephala*** (Huter, Porta & Rigo) Dillenb. & Kadereit
E *Adenostyles alpina* (L.) Bluff & Fingerh. subsp. ***nebrodensis*** (Wagenitz & I.Müll.) Greuter
E *Adenostyles australis* (Ten.) Iamónico & Pignatti
Adenostyles leucophylla (Willd.) Rchb.
Ambrosia maritima L. – Note: The occurrence of this taxon in Italy is confirmed only in SAR (Orsenigo et al. 2017).
Anacyclus clavatus (Desf.) Pers.
Anacyclus radiatus Loisel. subsp. ***radiatus***
Andryala cossyrensis Guss.
Andryala dentata Sm.
Andryala integrifolia L.
Andryala rothia Pers.
E *Andryala tenuifolia* (Tineo) DC.
Antennaria carpatica (Wahlenb.) Bluff & Fingerh. subsp. ***helvetica*** (Chrték & Pouzar) Chrték & Pouzar
Antennaria dioica (L.) Gaertn.
E *Anthemis aeolica* Lojac.
E *Anthemis aetnensis* Spreng.
T *Anthemis arvensis* L. subsp. ***acrochordona*** Briq. & Cavill.
Anthemis arvensis L. subsp. ***arvensis***
T *Anthemis arvensis* L. subsp. ***incrassata*** (Loisel.) Nyman
ET *Anthemis arvensis* L. subsp. ***sphacelata*** (C.Presl) R.Fern.
Anthemis chia L.
Anthemis cotula L.
ET *Anthemis cretica* L. subsp. ***alpina*** (L.) R.Fern.
E *Anthemis cretica* L. subsp. ***calabrica*** (Arcang.) R.Fern.
Anthemis cretica L. subsp. ***columnae*** (Ten.) Franzén
E *Anthemis cretica* L. subsp. ***messanensis*** (Brullo) Giardina & Raimondo
E *Anthemis cretica* L. subsp. ***petraea*** (Ten.) Greuter
Anthemis cretica L. subsp. ***saxatilis*** (DC.) R.Fern.
E *Anthemis cupaniana* Tod. ex Nyman
E *Anthemis hydruntina* E.Groves subsp. ***hydruntina***
ET *Anthemis hydruntina* E.Groves subsp. ***silensis*** (Fiori) Brullo, Gangale & Uzunov
E *Anthemis ismelia* Lojac.
Anthemis maritima L. subsp. ***maritima***
E *Anthemis muricata* (DC.) Guss.
Anthemis peregrina L.
E *Anthemis pignattiorum* Guarino, Raimondo & Domina
Anthemis secundiramea Biv.
Aposeris foetida (L.) Less.
Arctium lappa L.
Arctium minus (Hill) Bernh.
Arctium nemorosum Lej.
Arctium tomentosum Mill.
Arnica montana L. subsp. ***montana***
Arnoseris minima (L.) Schweigg. & Körte
Artemisia absinthium L.
Artemisia alba Turra
Artemisia arborescens (Vaill.) L.
Artemisia atrata Lam.
Artemisia caerulescens L. subsp. ***caerulescens***
E *Artemisia caerulescens* L. subsp. ***cretacea*** (Fiori) Brilli-Catt. & Gubellini
E *Artemisia caerulescens* L. subsp. ***densiflora*** (Viv.) Kerguélen & Lambinon
Artemisia caerulescens L. subsp. ***gallica*** (Willd.) K.M.Perss.

- Artemisia campestris* L. subsp. **alpina** (DC.) Arcang.
Artemisia campestris L. subsp. **borealis** (Pall.) H.M.Hall & Clem.
Artemisia campestris L. subsp. **campestris**
Artemisia campestris L. subsp. **glutinosa** (J.Gay ex Besser) Batt.
E *Artemisia campestris* L. subsp. **variabilis** (Ten.) Greuter
Artemisia chamaemelifolia Vill. subsp. **chamaemelifolia**
Artemisia genipi Weber ex Stechm.
Artemisia glacialis L.
Artemisia nitida Bertol.
Artemisia pedemontana Balb.
Artemisia umbelliformis Lam. subsp. **eriantha** (Ten.) Vallès-Xirau & Oliva Brañas
Artemisia umbelliformis Lam. subsp. **umbelliformis**
Artemisia vallesiaca All.
Artemisia vulgaris L.
Aster alpinus L. subsp. **alpinus**
Aster amellus L.
Asteriscus aquaticus (L.) Less.
Atractylis cancellata L.
Bellidiastrum michelii Cass.
Bellis annua L. subsp. **annua**
T *Bellis annua* L. subsp. **minuta** (DC.) Meikle
E *Bellis margaritifolia* Huter, Porta & Rigo
Bellis perennis L.
Bellis sylvestris Cirillo
Bellium bellidioides L.
E *Bellium crassifolium* Moris
Bellium minutum (L.) L.
Berardia lanuginosa (Lam.) Fiori
Bidens cernua L.
Bidens tripartita L. subsp. **bullata** (L.) Rouy
Bidens tripartita L. subsp. **tripartita**
Bombycilaena discolor (Pers.) M.Laínz
Bombycilaena erecta (L.) Smoljan.
E *Buphthalmum inuloides* Moris
ET *Buphthalmum salicifolium* L. subsp. **flexile** (Bertol.) Garbari
Buphthalmum salicifolium L. subsp. **salicifolium**
Calendula arvensis (Vaill.) L.
Calendula stellata Cav.
E *Calendula suffruticosa* Vahl subsp. **fulgida** (Raf.) Guadagno
Calendula suffruticosa Vahl subsp. **maritima** (Guss.) Meikle
Calendula suffruticosa Vahl subsp. **suffruticosa**
Calendula tripterocarpa Rupr.
Cardopatum corymbosum (L.) Pers.
Carduus acanthoides L.
Carduus acicularis Bertol.
Carduus aemilii Briq. & Cavill.
E *Carduus affinis* Guss. subsp. **affinis**
E *Carduus affinis* Guss. subsp. **brutius** (Fiori) Kazmi – Note: For the taxonomy and distribution of this subspecies, see Peruzzi et al. (2015d).
Carduus argyrea Biv.
Carduus carduelis (L.) Gren.
Carduus cephalanthus Viv.
Carduus chrysacanthus Ten.
Carduus collinus Waldst. & Kit. subsp. **collinus**
Carduus collinus Waldst. & Kit. subsp. **cylindricus** (Borbás) Soó
E *Carduus corymbosus* Ten.
Carduus crispus L. subsp. **crispus**
Carduus defloratus L. subsp. **carlinifolius** (Lam.) Ces.
Carduus defloratus L. subsp. **defloratus**
Carduus defloratus L. subsp. **sumanus** (Pollini) Arcang.
E *Carduus defloratus* L. subsp. **tridentinus** (Evers) Ladurner
Carduus fasciculiflorus Viv.
E *Carduus litigiosus* Nocca & Balb. subsp. **litigiosus**
Carduus membranaceus Lojac.
E *Carduus nigrescens* Vill. subsp. **nigrescens**
T *Carduus nutans* L. subsp. **alpicola** (Gillot) Chass. & Arènes
T *Carduus nutans* L. subsp. **leiophyllus** (Petrović) Stoj. & Stef.
T *Carduus nutans* L. subsp. **micropterus** (Borbás) Hayek
Carduus nutans L. subsp. **nutans**
ET *Carduus nutans* L. subsp. **perspinosus** (Fiori) Arènes
T *Carduus nutans* L. subsp. **platylepis** (Rchb. & Saut.) Nyman
T *Carduus nutans* L. subsp. **scabrisquamus** Arènes
ET *Carduus nutans* L. subsp. **siculus** (Franco) Greuter
T *Carduus nutans* L. subsp. **taygeteus** (Boiss. & Heldr.) Hayek
Carduus personata (L.) Jacq. subsp. **albidus** (Adamović) Kazmi
Carduus personata (L.) Jacq. subsp. **personata**
ET *Carduus pycnocephalus* L. subsp. **intermedius** (Lojac.) Giardina & Raimondo
T *Carduus pycnocephalus* L. subsp. **marmoratus** (Boiss. & Heldr.) P.H.Davis
Carduus pycnocephalus L. subsp. **pycnocephalus**

- E *Carduus sardous* DC.
Carduus tenuiflorus Curtis
Carlina acanthifolia All. subsp. **acanthifolia**
Carlina acanthifolia All. subsp. **utzka** (Hacq.) Meusel & Kästner – Note: Extinct in Italy (Poldini et al. 2001).
Carlina acaulis L. subsp. **acaulis**
Carlina acaulis L. subsp. **caulescens** (Lam.) Schübl. & G.Martens
Carlina biebersteinii Bernh. ex Hornem. subsp. **biebersteinii**
Carlina biebersteinii Bernh. ex Hornem. subsp. **brevibracteata** (Andrae) K.Werner
Carlina corymbosa L.
Carlina gummifera (L.) Less.
E *Carlina hispanica* Lam. subsp. **globosa** (Arcang.) Meusel & Kästner
Carlina involucrata Poir.
Carlina lanata L.
Carlina macrocephala Moris
E *Carlina nebrodensis* Guss. ex DC.
Carlina racemosa L.
Carlina sicula Ten. subsp. **mareotica** (Asch. & Schweinf.) Greuter
E *Carlina sicula* Ten. subsp. **sicula**
Carlina vulgaris L. subsp. **spinosa** (Velen.) Vandas
Carlina vulgaris L. subsp. **vulgaris**
Carpesium abrotanoides L.
Carpesium cernuum L.
Carthamus caeruleus L.
Carthamus creticus L.
Carthamus dentatus (Forssk.) Vahl
Carthamus lanatus L.
Carthamus pinnatus Desf.
E *Castroviejoa frigida* (Labill.) Galbany, L.Sáez & Benedí – Note: Possibly extinct.
E *Castroviejoa montelinasana* (Em.Schmid) Galbany, L.Sáez & Benedí
Catananche caerulea L.
Catananche lutea L.
E *Centaurea aegusae* Domina, Greuter & Raimondo
E *Centaurea aeolica* Guss. ex Lojac. subsp. **aeolica**
E *Centaurea aeolica* Guss. ex Lojac. subsp. **pandataria** (Fiori & Bég.) Anzal.
E *Centaurea aetaliae* (Sommier) Bég.
E *Centaurea ambigua* Guss. subsp. **ambigua**
E *Centaurea ambigua* Guss. subsp. **laciniata** (Guss. ex DC.) Arcang.
E *Centaurea ambigua* Guss. subsp. **nigra** (Fiori) Pignatti
E *Centaurea apolelepa* Moretti subsp. **apolelepa**
E *Centaurea apolelepa* Moretti subsp. **bertolonii** (Arrigoni) Greuter
E *Centaurea apolelepa* Moretti subsp. **carueliana** (Micheletti) Dostál
E *Centaurea apolelepa* Moretti subsp. **cosana** (Fiori) Dostál
E *Centaurea apolelepa* Moretti subsp. **gallinariae** (Briq. & Cavill.) Dostál
E *Centaurea apolelepa* Moretti subsp. **levantina** (Arrigoni) Greuter
E *Centaurea apolelepa* Moretti subsp. **lunensis** (Fiori) Dostál
E *Centaurea apolelepa* Moretti subsp. **maremmana** (Fiori) Dostál
E *Centaurea apolelepa* Moretti subsp. **parvula** (Ces.) Arcang.
E *Centaurea apolelepa* Moretti subsp. **subciliata** (DC.) Arcang.
E *Centaurea arachnoidea* Viv. subsp. **adonidifolia** (Rchb.) F.Conti, Moraldo & Ricceri
E *Centaurea arachnoidea* Viv. subsp. **arachnoidea**
E *Centaurea arachnoidea* Viv. subsp. **montis-ferrati** Ricceri, Moraldo & F.Conti
E *Centaurea arrigonii* Greuter
Centaurea aspera L. subsp. **aspera**
ET *Centaurea aspromontana* Brullo, Scelsi & Spamp.
C *Centaurea benedicta* (L.) L.
ET *Centaurea brulla* Greuter
E *Centaurea bugellensis* (Soldano) Soldano
E *Centaurea busambarensis* Guss.
E *Centaurea calabra* G.Caruso, S.A.Giardina, Raimondo & Spadaro
Centaurea calcitrapa L.
E *Centaurea centauroides* L.
E *Centaurea ceratophylla* Ten. subsp. **ceratophylla**
E *Centaurea cineraria* L. subsp. **cineraria**
E *Centaurea cineraria* L. subsp. **circae** (Sommier) Cela Renz. & Viegí
Centaurea collina L. subsp. **collina**
E *Centaurea corensis* Vals. & Filigh.
Centaurea cristata Bartl.
Centaurea deusta Ten.
Centaurea dichroantha A.Kern.
E *Centaurea diomedeae* Gasp.
E *Centaurea erycina* Raimondo & Bancheva
E *Centaurea filiformis* Viv. subsp. **ferulacea** (Martelli) Arrigoni
E *Centaurea filiformis* Viv. subsp. **filiformis**
Centaurea flosculosa Willd.
E *Centaurea giardiniae* Raimondo & Spadaro
E *Centaurea gussonei* Raimondo & Spadaro
E *Centaurea gymnocarpa* Moris & De Not.
E *Centaurea horrida* Badarò

- E *Centaurea iapygica* (Lacaita) Brullo
E *Centaurea ilvensis* (Sommier) Arrigoni
ET *Centaurea ionica* Brullo
T *Centaurea jacea* L. subsp. *angustifolia* (DC.) Gremli
E *Centaurea jacea* L. subsp. *forojulensis* (Poldini) Greuter
E *Centaurea jacea* L. subsp. *gaudinii* (Boiss. & Reut.) Gremli
E *Centaurea jacea* L. subsp. *jacea*
E *Centaurea jacea* L. subsp. *julica* (Hayek) Greuter
E *Centaurea jacea* L. subsp. *weldeniana* (Rchb.) Greuter
E *Centaurea kartschiana* Scop. subsp. *kartschiana*
ET *Centaurea lacaitae* Peruzzi – Note: The nomenclature and taxonomy of *Centaurea tenorei* Guss. ex Lacaita group provisionally follow Peruzzi (2008), waiting for further byosystematic studies (Santangelo et al. 2017).
E *Centaurea leucadea* Lacaita
ET *Centaurea leucophaea* Jord. subsp. *brunnescens* (Briq.) Dostál
E *Centaurea leucophaea* Jord. subsp. *leucophaea*
E *Centaurea litigiosa* (Fiori) Arrigoni
E *Centaurea macroacantha* Guss.
E *Centaurea macroptilon* Borbás
E *Centaurea magistrorum* Arrigoni & Camarda
E *Centaurea melitensis* L.
ET *Centaurea montaltensis* (Fiori) Peruzzi
E *Centaurea montana* L.
E *Centaurea montis-borlae* Soldano
E *Centaurea napifolia* L.
E *Centaurea nervosa* Willd. subsp. *nervosa*
ET *Centaurea nigrescens* Willd. subsp. *neapolitana* (Boiss.) Dostál
E *Centaurea nigrescens* Willd. subsp. *nigrescens*
ET *Centaurea nigrescens* Willd. subsp. *pinnatifida* (Fiori) Dostál
T *Centaurea nigrescens* Willd. subsp. *transalpina* (Schleich. ex DC.) Nyman
ET *Centaurea nobilis* (E.Groves) Brullo
E *Centaurea paniculata* L. subsp. *paniculata*
E *Centaurea panormitana* Lojac.
E *Centaurea parlatoris* Heldr. subsp. *parlatoris*
E *Centaurea parlatoris* Heldr. subsp. *virescens* (Guss.) Raimondo & Bancheva
E *Centaurea pentadactyli* Brullo, Scelsi & Spamp.
E *Centaurea poeltiana* Puntillo
E *Centaurea pseudophrygia* C.A.Mey.
E *Centaurea pumilio* L.
E *Centaurea rhaetica* Moritzi
E *Centaurea rupestris* L.
E *Centaurea saccensis* Raimondo, Bancheva & Ilardi
E *Centaurea sarfattiana* Brullo, Gangale & Uzunov
E *Centaurea scabiosa* L. subsp. *alpestris* (Hegetschw.) Nyman
E *Centaurea scabiosa* L. subsp. *fritschii* (Hayek) Hayek
E *Centaurea scabiosa* L. subsp. *grinensis* (Reut.) Hayek
E *Centaurea scabiosa* L. subsp. *scabiosa*
E *Centaurea scannensis* Anzal., Soldano & F.Conti
ET *Centaurea scillae* Brullo
E *Centaurea seguenzae* (Lacaita) Domina, Greuter & Raimondo,
E *Centaurea seridis* L. subsp. *sonchifolia* (L.) Greuter
E *Centaurea sicana* Raimondo & Spadaro
E *Centaurea sicula* L.
T *Centaurea solstitialis* L. subsp. *adamii* (Willd.) Nyman
T *Centaurea solstitialis* L. subsp. *schouwii* (DC.) Gugler
E *Centaurea solstitialis* L. subsp. *solstitialis*
E *Centaurea sphaerocephala* L. subsp. *sphaerocephala*
E *Centaurea stenolepis* A.Kern. subsp. *stenolepis*
E *Centaurea stoebe* L. – Note: For the taxonomy of this species, see Španiel et al. (2008).
E *Centaurea subtilis* Bertol.
E *Centaurea tauromenitana* Guss.
ET *Centaurea tenacissima* (E.Groves) Brullo
E *Centaurea tenoreana* Willk.
E *Centaurea tenorei* Guss. ex Lacaita
E *Centaurea todaroi* Lacaita
E *Centaurea tommasinii* A.Kern.
E *Centaurea triumfettii* All. – Note: Several taxa belonging to *Centaurea triumfettii* group are recorded for Italy: *C. triumfettii* s.str., *C. adscendens* (Bartl.) Prodan, *C. axillaris* var. *nana* Ten. and *C. graminifolia* (Lam.) Muñoz Rodr. & Devesa. Further studies are needed to understand the taxonomic value of these taxa and their distribution.
E *Centaurea tyrrhena* C.Brullo, Brullo & Giusso
E *Centaurea uniflora* Turra
E *Centaurea valesiaca* (DC.) Jord.
E *Centaurea veneris* (Sommier) Bég.
E *Chamaemelum fuscatum* (Brot.) Vasc.
E *Cheirolophus sempervirens* (L.) Pomel
E *Chiliadenus lopadusanus* Brullo
E *Chondrilla chondrilloides* (Ard.) H.Karst.
E *Chondrilla juncea* L.

- Cicerbita alpina* (L.) Wallr.
Cichorium endivia L. subsp. **pumilum** (Jacq.) Cout.
Cichorium intybus L.
Cichorium spinosum L.
E *Cirsium acaulon* (L.) Scop. subsp. **acaulon**
E *Cirsium alpis-lunae* Brilli-Catt. & Gubellini
Cirsium alsophilum (Pollini) Soldano
E *Cirsium arvense* (L.) Scop.
E *Cirsium bertolonii* Spreng.
Cirsium canum (L.) All.
Cirsium carniolicum Scop. subsp. **carniolicum**
Cirsium creticum (Lam.) d'Urv. subsp. **creticum**
Cirsium creticum (Lam.) d'Urv. subsp. **triumfettii** (Lacaita) K.Werner
Cirsium echinatum (Desf.) DC.
Cirsium eriophorum (L.) Scop. subsp. **eriophorum**
Cirsium eriophorum (L.) Scop. subsp. **spathulatum** (Moretti) Ces.
Cirsium erisithales (Jacq.) Scop.
Cirsium ferox (L.) DC.
Cirsium heterophyllum (L.) Hill
Cirsium italicum DC.
E *Cirsium lacaitae* Petr.
E *Cirsium lobelii* Ten.
Cirsium monspessulanum (L.) Hill
Cirsium morisianum Rchb.f.
Cirsium oleraceum (L.) Scop.
Cirsium palustre (L.) Scop.
Cirsium pannonicum (L.f.) Link
Cirsium scabrum (Poir.) Bonnet & Barratte
Cirsium spinosissimum (L.) Scop.
E *Cirsium tenoreanum* Petr.
Cirsium tuberosum (L.) All.
E *Cirsium vallis-demonii* Lojac.
T *Cirsium vulgare* (Savi) Ten. subsp. **crinitum** (DC.) Arènes
T *Cirsium vulgare* (Savi) Ten. subsp. **silvaticum** (Tausch) Arènes
Cirsium vulgare (Savi) Ten. subsp. **vulgare**
Cladanthus mixtus (L.) Chevall.
Coleostephus myconis (L.) Cass. ex Rchb.f.
Cota altissima (L.) J.Gay
Cota austriaca (Jacq.) Sch.Bip.
Cota segetalis (Ten.) Holub
T *Cota tinctoria* (L.) J.Gay subsp. **australis** (R.Fern.) Oberpr. & Greuter
Cota tinctoria (L.) J.Gay subsp. **tinctoria**
Cota triumfettii (L.) J.Gay
Crepis albida Vill. subsp. **albida**
Crepis alpestris (Jacq.) Tausch
E *Crepis apula* (Fiori) Babc.
ET *Crepis aspromontana* Brullo, Scelsi & Spamp.
Crepis aurea (L.) Cass. subsp. **aurea**
Crepis aurea (L.) Cass. subsp. **glabrescens** (Caruel) Arcang.
Crepis bellidifolia Loisel.
Crepis biennis L.
Crepis bursifolia L.
Crepis capillaris (L.) Wallr.
Crepis chondrilloides Jacq.
Crepis conyzifolia (Gouan) A.Kern.
Crepis foetida L. subsp. **foetida**
Crepis froelichiana DC. ex Froel. subsp. **dinarica** (Beck) Gutermann
Crepis froelichiana DC. ex Froel. subsp. **froelichiana**
Crepis jacquini Tausch subsp. **kernerii** (Rech.f.) Merxm.
ET *Crepis lacera* Ten. subsp. **lacera**
ET *Crepis lacera* Ten. subsp. **titani** (Pamp.) Roma-Marzio, G.Astuti & Peruzzi – Note: For the taxonomy and distribution of this subspecies, see Roma-Marzio et al. (2015).
Crepis leontodontoides All.
E *Crepis magellensis* F.Conti & Uzunov – Note: For the taxonomy and distribution of this species, see Conti and Uzunov (2011).
Crepis mollis (Jacq.) Asch. subsp. **mollis**
Crepis mollis (Jacq.) Asch. subsp. **succisifolia** (All.) Dostál
Crepis neglecta L. subsp. **corymbosa** (Ten.) Nyman
Crepis neglecta L. subsp. **neglecta**
Crepis nicaeensis Balb.
Crepis paludosa (L.) Moench
Crepis pontana (L.) Dalla Torre
Crepis praemorsa (L.) Walthers
Crepis pulchra L. subsp. **pulchra**
Crepis pygmaea L.
Crepis pyrenaica (L.) Greuter
Crepis rhaetica Hegetschw.
Crepis rubra L.
Crepis setosa Haller f.

- E *Crepis sprengelii* Nicotra
Crepis suffreniana (DC.) Steud.
Crepis tectorum L.
Crepis terglouensis (Hacq.) A.Kern.
- ET *Crepis vesicaria* L. subsp. *bivonana* (Soldano & F.Conti) Giardina & Raimondo
- ET *Crepis vesicaria* L. subsp. *hyemalis* (Biv.) Babec.
- T *Crepis vesicaria* L. subsp. *taraxacifolia* (Thuill.) Thell.
Crepis vesicaria L. subsp. *vesicaria*
Crepis zacintha (L.) Loisel.
Crupina crupinastrum (Moris) Vis.
Crupina intermedia (Mutel) Walp.
Crupina vulgaris Cass.
- C *Cynara cardunculus* L. subsp. *cardunculus*
- ET *Cynara cardunculus* L. subsp. *flavescens* Wiklund – Note: This taxon may be a feral of the crop cardoon (*C. cardunculus* L. var. *altilis* DC.) (Gatto et al. 2013).
Cynara cardunculus L. subsp. *zingaroensis* (Raimondo & Domina) Raimondo & Domina
Dittrichia graveolens (L.) Greuter
Dittrichia viscosa (L.) Greuter subsp. *viscosa*
Doronicum austriacum Jacq. subsp. *austriacum*
Doronicum clusii (All.) Tausch
Doronicum columnae Ten. – Note: Hybrids among this species and *D. orientale* (*D. xminutilloii* Peruzzi) are known from the Aurunci Mts., LAZ (Peruzzi et al. 2012b).
Doronicum glaciale (Wulfen) Nyman subsp. *glaciale*
Doronicum grandiflorum Lam. subsp. *grandiflorum*
Doronicum orientale Hoffm.
Doronicum pardalianches L.
Doronicum plantagineum L.
Echinops exaltatus Schrad.
Echinops ritro L. – Note: *Echinops ritro* L. subsp. *ritro* and *E. ritro* subsp. *ruthenicus* (M.Bieb.) Nyman are both recorded for Italy. However, considering that the name *E. ritro* is not yet typified, we are not able to safely recognize any subspecies in Italy.
- E *Echinops siculus* Strobl
- T *Echinops sphaerocephalus* L. subsp. *albidus* (Boiss. & Spruner) Kožuharov
- T *Echinops sphaerocephalus* L. subsp. *sphaerocephalus*
Echinops spinosissimus Turra subsp. *neumayeri* (Vis.) Kožuharov
- T *Echinops spinosissimus* Turra subsp. *spinosissimus*
Echinops spinosissimus Turra subsp. *spinosus* Greuter
- T *Erigeron acris* L. subsp. *acris*
Erigeron acris L. subsp. *angulosus* (Gaudin) Vacc.
Erigeron acris L. subsp. *serotinus* (Weihe) Greuter
Erigeron alpinus L.
Erigeron atticus Vill.
Erigeron epiroticus (Vierh.) Halácsy
Erigeron glabratus Hoppe & Hornsch. ex Bluff & Fingerh.
Erigeron neglectus A.Kern.
Erigeron schleicheri Gremli
Erigeron uniflorus L.
- T *Eupatorium cannabinum* L. subsp. *cannabinum*
Eupatorium cannabinum L. subsp. *corsicum* (Req. ex Loisel.) P.Fourn.
Evacidium discolor (DC.) Maire
Filago arvensis L.
Filago asterisciflora (Lam.) Sweet
Filago congesta Guss. ex DC.
Filago eriocephala Guss.
Filago germanica (L.) Huds.
Filago lutescens Jord. subsp. *lutescens*
Filago neglecta (Soy.-Will.) DC.
Filago pygmaea L.
Filago pyramidata L.
- E *Filago tyrrhenica* Chrtek & Holub
Galactites tomentosus Moench
Galatella linosyris (L.) Rchb.f. subsp. *linosyris*
Galatella pannonica (Jacq.) Galasso, Bartolucci & Ardenghi subsp. *pannonica*
Galatella sedifolia (L.) Greuter subsp. *sedifolia*
Geropogon hybridus (L.) Sch.Bip.
Glebionis coronaria (L.) Spach
- T *Glebionis discolor* (d'Urv.) E.Cano, Musarella, Cano-Ortiz, Piñar Fuentes, Spamp. & Pinto Gomes
Glebionis segetum (L.) Fourr.
Gnaphalium uliginosum L.
Hedypnois rhagadioloides (L.) F.W.Schmidt
- E *Helichrysum errerae* Tineo
- E *Helichrysum italicum* (Roth) G.Don subsp. *italicum*
- E *Helichrysum italicum* (Roth) G.Don subsp. *pseudolitoreum* (Fiori) Bacch., Brullo & Mossa
Helichrysum italicum (Roth) G.Don subsp. *siculum* (Jord. & Fourr.) Galbany, L.Sáez & Benedí
Helichrysum italicum (Roth) G.Don subsp. *tyrrhenicum* (Bacch., Brullo & Giusso) Herrando, J.M.Blanco, L.Sáez Galbany
- E *Helichrysum litoreum* Guss.
Helichrysum luteoalbum (L.) Rchb.
Helichrysum pendulum (C.Presl) C.Presl – Note: According to Herrando-Moraira et al. (2017), *H. hyblaicum* Brullo, *H. nebrodensis* Heldr. and *H. panormitanum* Tineo ex Guss. are synonyms of *H. pendulum*. A different taxonomic setting, not followed here, was recently proposed by Iamonico et al. (2016b).
- E *Helichrysum saxatile* Moris subsp. *morisianum* Bacch., Brullo & Mossa

- E *Helichrysum saxatile* Moris subsp. **saxatile**
Helichrysum stoechas (L.) Moench subsp. **barrelieri** (Ten.) Nyman
Helichrysum stoechas (L.) Moench subsp. **stoechas**
Helminthotheca aculeata (Vahl) Lack subsp. **aculeata**
Helminthotheca echioides (L.) Holub
- E *Hieracium acanthodontoides* Arv.-Touv. & Belli
Hieracium adenophyton (Zahn) Zahn
Hieracium alpinum L. subsp. **alpinum**
Hieracium alpinum L. subsp. **halleri** (Vill.) Ces.
- E *Hieracium alpinum* L. subsp. **marcelli** Paléz. & Zahn
E *Hieracium alpinum* L. subsp. **ormeanum** Zahn
E *Hieracium amphiseriphorum* Zahn
Hieracium amplexicaule L. subsp. **amplexicaule**
- E *Hieracium amplexicaule* L. subsp. **berardianoides** Zahn
Hieracium amplexicaule L. subsp. **berardianum** (Arv.-Touv.) Zahn
Hieracium amplexicaule L. subsp. **cadinense** (Evers) Zahn
Hieracium amplexicaule L. subsp. **chenevardianum** Zahn
- E *Hieracium amplexicaule* L. subsp. **neopetraeum** Zahn
Hieracium amplexicaule L. subsp. **pseudocerinthoides** (Arv.-Touv.) Zahn
Hieracium amplexicaule L. subsp. **pseudoligusticum** (Gremli) Zahn
Hieracium amplexicaule L. subsp. **pulmonarioides** (Vill.) Ces.
Hieracium amplexicaule L. subsp. **spelaum** (Arv.-Touv.) Zahn
- E *Hieracium annae-toutoniae* Zahn subsp. **vilpianense** Gottschl.
E *Hieracium antholzense* Zahn
Hieracium aphyllum Nägeli & Peter subsp. **hololeucum** (Arv.-Touv. & A. Faure) Zahn
- E *Hieracium aphyllum* Nägeli & Peter subsp. **singulare** (Huter ex Zahn) Zahn
E *Hieracium apricorum* Wiesb. ex Dichtl subsp. **pseudolonganum** (Zahn) Greuter
Hieracium apricorum Wiesb. ex Dichtl subsp. **sublaevigatum** (Beck) Gottschl.
Hieracium apricorum Wiesb. ex Dichtl subsp. **subpallidum** (Beck) Gottschl.
- E *Hieracium apricorum* Wiesb. ex Dichtl subsp. **valdulcense** Gottschl.
E *Hieracium argothrix* Nägeli & Peter subsp. **anisodon** Nägeli & Peter
Hieracium argothrix Nägeli & Peter subsp. **argothrix**
- E *Hieracium argothrix* Nägeli & Peter subsp. **candidulum** Nägeli & Peter
E *Hieracium argothrix* Nägeli & Peter subsp. **pleiobrachion** Zahn
Hieracium armerioides Arv.-Touv. subsp. **absconditum** (Huter) Zahn
Hieracium armerioides Arv.-Touv. subsp. **anadenum** (Burnat & Gremli) Zahn
Hieracium armerioides Arv.-Touv. subsp. **armerioides**
- E *Hieracium armerioides* Arv.-Touv. subsp. **collae** Zahn
Hieracium armerioides Arv.-Touv. subsp. **crispulum** (Nägeli & Peter) Zahn
Hieracium armerioides Arv.-Touv. subsp. **favreanum** (Arv.-Touv.) Zahn
Hieracium armerioides Arv.-Touv. subsp. **leucochlorum** (Arv.-Touv.) Zahn
Hieracium armerioides Arv.-Touv. subsp. **nigritellum** (Arv.-Touv.) Zahn
- E *Hieracium armerioides* Arv.-Touv. subsp. **paucitrichum** Gottschl.
Hieracium armerioides Arv.-Touv. subsp. **phalacrophyllum** (Nägeli & Peter) Zahn
Hieracium armerioides Arv.-Touv. subsp. **rhombophyllum** (Nägeli & Peter) Zahn
- E *Hieracium armerioides* Arv.-Touv. subsp. **seirasicum** (Zahn) Zahn
E *Hieracium armerioides* Arv.-Touv. subsp. **siphonophorum** Wilczek & Zahn
Hieracium armerioides Arv.-Touv. subsp. **touvetii** (Nägeli & Peter) Greuter
Hieracium armerioides Arv.-Touv. subsp. **ustulatum** (Arv.-Touv.) Zahn
Hieracium arolae (Murr) Zahn subsp. **arolae**
- E *Hieracium arolae* (Murr) Zahn subsp. **macrocalathium** Zahn
E *Hieracium arolae* (Murr) Zahn subsp. **rhoeadifolioides** Hayek & Zahn
E *Hieracium arpadianum* Zahn subsp. **pugnaculum** Gottschl.
Hieracium arpadianum Zahn subsp. **sellanum** Zahn
Hieracium arpadianum Zahn subsp. **subscariolaceum** Zahn
- E *Hieracium aspromontanum* Brullo, Scelsi & Spamp.
Hieracium atratum Fr. subsp. **atratum**
Hieracium atratum Fr. subsp. **dolichaetoides** Zahn
- E *Hieracium atratum* Fr. subsp. **neohayekii** Zahn
Hieracium atratum Fr. subsp. **pseudoleicolor** Fen. & Zahn
Hieracium atratum Fr. subsp. **squalidiforme** (Murr & Zahn) Zahn
Hieracium atratum Fr. subsp. **subnigrescens** (Norrl.) Zahn
Hieracium atratum Fr. subsp. **tauriscorum** Zahn
- E *Hieracium atratum* Fr. subsp. **zermulae** Gottschl.
E *Hieracium atrocalyx* Gottschl.
E *Hieracium australe* Fr. subsp. **australe**
Hieracium australe Fr. subsp. **insuetum** (Jord. ex Boreau) Fen. & Zahn
Hieracium balbisianum Arv.-Touv. & Briq. subsp. **balbisianum**
Hieracium balbisianum Arv.-Touv. & Briq. subsp. **issense** (Murr & Zahn) Greuter
Hieracium balbisianum Arv.-Touv. & Briq. subsp. **kernerii** (Ausserd. ex Zahn) Greuter
Hieracium barbulare Zahn subsp. **barbulare**
- E *Hieracium barrelieri* Gottschl., Raimondo, Greuter & Di Grist.
Hieracium bastrerianum Zahn subsp. **bastrerianum**
- E *Hieracium bastrerianum* Zahn subsp. **pramoliticum** Zahn
Hieracium benzianum Murr & Zahn subsp. **benzianum**
Hieracium benzianum Murr & Zahn subsp. **ctenodontiforme** Zahn & Benz
Hieracium benzianum Murr & Zahn subsp. **ctenodontoides** (Zahn) Zahn
- E *Hieracium benzianum* Murr & Zahn subsp. **pseudobenzianum** (Dalla Torre & Sarnth.) Zahn

- Hieracium benzianum* Murr & Zahn subsp. *sciaphiloides* (Zahn) Greuter
Hieracium bernardii Rouy subsp. *bernardii*
E *Hieracium bernardii* Rouy subsp. *gallurensis* (Arrigoni) Greuter
E *Hieracium bernardii* Rouy subsp. *templare* (Arrigoni) Greuter
E *Hieracium beyeri* Zahn
Hieracium bicknellianum Belli & Arv.-Touv.
Hieracium bifidum Kit. ex Hornem. subsp. *amoenobium* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *basicuneatifolium* (Touton ex Dalla Torre & Sarnth.) Müll.Dornst.
Hieracium bifidum Kit. ex Hornem. subsp. *basicuneatum* (Zahn) Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *bifidipraecox* Fen. & Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *bolognese* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *caesiiflorum* (Norrl.) Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *caesioprasinum* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *canitosum* (Malme) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *cardiobasis* Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *condylisquamum* Gottschl.
Hieracium bifidum Kit. ex Hornem. subsp. *cordigenum* (Norrl.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *coriifolium* (Arv.-Touv.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *dolomiticum* (Willk.) Dalla Torre & Sarnth.
E *Hieracium bifidum* Kit. ex Hornem. subsp. *elvense* Gottschl. & Dunkel
Hieracium bifidum Kit. ex Hornem. subsp. *eriopodoides* (Zahn) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *eruroides* (Arv.-Touv.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *fenarolii* P.Rossi & Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *gardetanum* P.Rossi & Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *laceridens* (Zahn) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *laciniare* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *lepidum* (Arv.-Touv.) Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *megalocalathium* P.Rossi & Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *megalotomum* (Zahn) Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *mollinense* Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *nummulariifolium* Gottschl.
Hieracium bifidum Kit. ex Hornem. subsp. *obscurisquamum* (Zahn) Greuter
Hieracium bifidum Kit. ex Hornem. subsp. *oreites* (Arv.-Touv.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *oreitiforme* (Zahn) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *perlacerum* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *poliomelanum* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *pourriacense* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *prasinescens* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *psammogenes* (Zahn) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *pseudobasicuneatum* (Touton ex Dalla Torre & Sarnth.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *pseudodollineri* (Murr & Zahn) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *pseudoligocephalum* (Zahn) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *pseudopraecox* (Zahn) Dalla Torre & Sarnth.
Hieracium bifidum Kit. ex Hornem. subsp. *pseudopsammogenes* (Dalla Torre & Sarnth.) Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *pseudosemisilvaticum* (Dalla Torre & Sarnth.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *sagittibasis* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *scandinavium* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *scutatum* (Arv.-Touv.) Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *semipraecox* P.Rossi & Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *semitenuiflorum* Fen. & Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *senile* (Arv.-Touv.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *seniliforme* (Zahn) Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *serpentinicolor* Fen. & Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *sinuosifrons* (Dahlst.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *sivynense* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *stenolepis* (Lindeb.) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *subcaesiifloriforme* (Zahn) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *subcanescentiforme* Käser
E *Hieracium bifidum* Kit. ex Hornem. subsp. *subhastatum* Gottschl.
E *Hieracium bifidum* Kit. ex Hornem. subsp. *subimbricatum* Gottschl.
Hieracium bifidum Kit. ex Hornem. subsp. *submolliceps* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *subpapyraceum* Zahn ex Chiarugi
Hieracium bifidum Kit. ex Hornem. subsp. *subsagittatum* (Zahn) Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *subtenuiflorum* (Zahn) Greuter
Hieracium bifidum Kit. ex Hornem. subsp. *taraxacifolium* Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *toutonii* Zahn
E *Hieracium bifidum* Kit. ex Hornem. subsp. *vaccarii* Besse & Zahn
Hieracium bifidum Kit. ex Hornem. subsp. *venticum* Zahn
Hieracium bocconeii Griseb. subsp. *bocconeii*
Hieracium bocconeii Griseb. subsp. *devexicola* Zahn
Hieracium bocconeii Griseb. subsp. *engadinense* (Zahn) Zahn
Hieracium bocconeii Griseb. subsp. *ramiparum* Zahn
Hieracium borealiforme P.D.Sell & C.West
E *Hieracium boreoapenninum* Gottschl.
E *Hieracium bornetii* Burnat & Gremli
E *Hieracium brevifolium* Tausch subsp. *bergameum* Zahn
Hieracium brevifolium Tausch subsp. *brevifolium*
E *Hieracium brevifolium* Tausch subsp. *caruelii* Zahn

- Hieracium brevifolium* Tausch subsp. **cesatianum** (Zahn) Gottschl.
Hieracium brevifolium Tausch subsp. **halimifolium** (Froel.) Zahn
 E *Hieracium brevifolium* Tausch subsp. **hellwegeri** (Murr & Zahn) Zahn
 E *Hieracium brevifolium* Tausch subsp. **lombardense** Gottschl.
 E *Hieracium brevifolium* Tausch subsp. **muraltae** (Zahn) Greuter
 E *Hieracium brevifolium* Tausch subsp. **virgaureiforme** Zahn
 E *Hieracium brillii* Gottschl.
 E *Hieracium bugellense* Gottschl.
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **adenobupleuroides** Fen. & Zahn
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **aprutiorum** (Furrer & Zahn) Gottschl.
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **bupleuroides**
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **cassianum** Pamp. & Zahn
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **comophyllum** Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **crinifolium** Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **eriolepium** Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **laeviceps** Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **mnoolepium** Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **moenense** Zahn
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **phyllobracteam** Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **praetutiense** Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **romanorum** Korb & Zahn
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **scabriceps** Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **schenkii** (Griseb.) Nägeli & Peter
 E *Hieracium bupleuroides* C.C.Gmel. subsp. **tririvicola** Gottschl.
 E *Hieracium burnatii* Arv.-Touv. subsp. **burnatii**
 E *Hieracium burnatii* Arv.-Touv. subsp. **tomentellum** (Nägeli & Peter) Zahn
 E *Hieracium busambareense* Caldarella, Gianguzzi & Gottschl.
 E *Hieracium cabreranum* Arv.-Touv.
 E *Hieracium caesioides* Arv.-Touv. subsp. **aleuroclinum** Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **bordigherae** (Zahn) Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **caesioides**
 E *Hieracium caesioides* Arv.-Touv. subsp. **diamantense** Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **liguricola** Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **lobophorum** Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **lobophyton** Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **pectinatifrons** Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **prasinops** (Toutou & Zahn) Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **ripii** (Gremli) Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **supraglauciforme** Zahn
 E *Hieracium caesioides* Arv.-Touv. subsp. **supraglaucum** (C.Bicknell & Zahn) Zahn
 E *Hieracium caesium* (Fr.) Fr. subsp. **brennerianum** (Zahn) Gottschl.
 E *Hieracium caesium* (Fr.) Fr. subsp. **caesiopsis** Zahn
 E *Hieracium caesium* (Fr.) Fr. subsp. **laeticolor** Almq.
 E *Hieracium caesium* (Fr.) Fr. subsp. **lentiginosum** (Murr & Zahn) Zahn
 E *Hieracium caesium* (Fr.) Fr. subsp. **sendtneri** (Nägeli ex Gremli) Vollm.
 E *Hieracium caesium* (Fr.) Fr. subsp. **vennaevallis** Zahn
 E *Hieracium caesium* (Fr.) Fr. subsp. **virenticeps** (Dahlst.) Zahn
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **baldense** (Nägeli & Peter) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **baldensiforme** (Nägeli & Peter) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **calcareum**
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **carnicum** (Nägeli & Peter) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **crinopodium** (Nägeli & Peter) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **felicense** (Nägeli & Peter) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **glauciforme** (Nägeli & Peter) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **holleri** (Nägeli & Peter) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **illyricum** (Fr.) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **papperitzii** (Rchb.f.) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **pseudothyrsodes** (Zahn) Greuter
 E *Hieracium calcareum* Bernh. ex Hornem. subsp. **trilacense** (Murr) Greuter
 E *Hieracium calocymum* Zahn subsp. **calocymum**
 E *Hieracium calothyrsum* Zahn ex Murr
 E *Hieracium carpegnae* Gottschl.
 E *Hieracium cavallense* Gottschl.
 E *Hieracium cavillieri* Zahn subsp. **cavillieri**
 E *Hieracium cavillieri* Zahn subsp. **vesubiense** Zahn
 E *Hieracium cephalotes* Arv.-Touv. subsp. **cephalotes**
 E *Hieracium chiariglionei* Gottschl.
 E *Hieracium chlorelloides* Zahn
 E *Hieracium chlorifolium* Arv.-Touv. subsp. **chlorifolium**
 E *Hieracium chlorifolium* Arv.-Touv. subsp. **fulcratiforme** Zahn
 E *Hieracium chlorifolium* Arv.-Touv. subsp. **isoplates** (Nägeli & Peter) Zahn
 E *Hieracium chlorifolium* Arv.-Touv. subsp. **leoninum** (Nägeli & Peter) Zahn
 E *Hieracium chlorifolium* Arv.-Touv. subsp. **pseudopenninum** Zahn
 E *Hieracium chlorifolium* Arv.-Touv. subsp. **pulchrriforme** Murr & Zahn
 E *Hieracium chlorifolium* Arv.-Touv. subsp. **rendinaricum** Gottschl.
 E *Hieracium chlorophyton* Preissm. & Zahn ex Hayek subsp. **languidum** (Zahn) Greuter
 E *Hieracium chloropsis* Gren. & Godr. subsp. **apuanorum** Gottschl.

- Hieracium chloropsis** Gren. & Godr. subsp. **chloropsis**
 E **Hieracium chloropsis** Gren. & Godr. subsp. **erioleion** (Nägeli & Peter) Zahn
Hieracium chloropsis Gren. & Godr. subsp. **gerardii** (Arv.-Touv. ex Legrand) Zahn
Hieracium chloropsis Gren. & Godr. subsp. **gnaphalodes** (Nägeli & Peter) Zahn
Hieracium chondrillifolium Fr. subsp. **boissieri** (A.Huet & E.Huet ex Arv.-Touv.) Zahn
Hieracium chondrillifolium Fr. subsp. **calcicola** (Nägeli & Peter) Zahn
Hieracium chondrillifolium Fr. subsp. **casterinense** (Zahn) Zahn
 E **Hieracium chondrillifolium** Fr. subsp. **chiarugianum** Zahn ex Chiarugi
Hieracium chondrillifolium Fr. subsp. **chondrillifolium**
Hieracium chondrillifolium Fr. subsp. **comolepium** (Nägeli & Peter) Zahn
Hieracium chondrillifolium Fr. subsp. **delasoiei** (Lagger ex De la Soie) Zahn
Hieracium chondrillifolium Fr. subsp. **doliocephalum** (Nägeli & Peter) Zahn
Hieracium chondrillifolium Fr. subsp. **megalocladum** (Nägeli & Peter) Zahn
 E **Hieracium chondrillifolium** Fr. subsp. **morascanum** (Zahn) Zahn
 E **Hieracium chondrillifolium** Fr. subsp. **otenicum** Pamp. & Zahn
Hieracium chondrillifolium Fr. subsp. **patulum** (Nägeli & Peter) Zahn
Hieracium chondrillifolium Fr. subsp. **supracalvum** (Nägeli & Peter) Zahn
 E **Hieracium cirritogenes** Zahn
Hieracium cirritum Arv.-Touv. subsp. **amphiglaucum** Zahn
Hieracium cirritum Arv.-Touv. subsp. **biceps** (Zahn) Zahn
 E **Hieracium cirritum** Arv.-Touv. subsp. **brentanum** (Touton ex Dalla Torre & Sarnth.) Zahn
Hieracium cirritum Arv.-Touv. subsp. **cirritum**
Hieracium cirritum Arv.-Touv. subsp. **elisum** (Arv.-Touv.) Nägeli & Peter
Hieracium cirritum Arv.-Touv. subsp. **hypochaerideum** (Arv.-Touv.) Nägeli & Peter
Hieracium cirritum Arv.-Touv. subsp. **hypochaeridiforme** (Zahn) Zahn
Hieracium cirritum Arv.-Touv. subsp. **permirum** (Zahn) Zahn
Hieracium cirritum Arv.-Touv. subsp. **pravum** Zahn
Hieracium cirritum Arv.-Touv. subsp. **pseudocirritum** (Zahn & Touton ex Favre) Zahn
 E **Hieracium cirritum** Arv.-Touv. subsp. **pseudocochleare** Gottschl.
Hieracium cirritum Arv.-Touv. subsp. **tenellum** (Huter & Ausserd.) Dalla Torre & Sarnth.
 E **Hieracium cirsiopsis** Gottschl. & Dunkel
 E **Hieracium contii** Gottschl.
 E **Hieracium cophanense** Lojac.
 E **Hieracium cornuscalae** Gottschl.
Hieracium coronariifolium Arv.-Touv.
Hieracium cottetii Godet ex Christener subsp. **cottetii**
Hieracium crocatum Fr. subsp. **conicum** (Arv.-Touv.) Murr & Zahn
Hieracium cryptadenum Arv.-Touv. subsp. **cryptadenum**
Hieracium cryptadenum Arv.-Touv. subsp. **megalodon** (Nägeli & Peter) Zahn
Hieracium ctenodon Nägeli & Peter subsp. **ctenodon**
Hieracium ctenodon Nägeli & Peter subsp. **multiramum** Nägeli & Peter
Hieracium ctenodon Nägeli & Peter subsp. **zahnii** (Oborny) Murr & Zahn
Hieracium cydoniifolium Vill. subsp. **brassicoides** (Wilczek) Zahn
Hieracium cydoniifolium Vill. subsp. **cottianum** (Arv.-Touv.) Zahn
 E **Hieracium cydoniifolium** Vill. subsp. **isatidiforme** Zahn
Hieracium cydoniifolium Vill. subsp. **mespilifolium** (Arv.-Touv.) Zahn
Hieracium cydoniifolium Vill. subsp. **ochroleucomorphum** Zahn
Hieracium cydoniifolium Vill. subsp. **parcepilosum** (Arv.-Touv.) Zahn
Hieracium cydoniifolium Vill. subsp. **prenanthophyllum** (Nägeli & Peter) Zahn
Hieracium cydoniifolium Vill. subsp. **semiperfoliatum** Zahn
Hieracium cydoniifolium Vill. subsp. **subpanduratum** Zahn
Hieracium cydoniifolium Vill. subsp. **sulgeri** (Murr) Zahn
 E **Hieracium cydoniifolium** Vill. subsp. **trichodes** (Rchb.f.) Zahn
Hieracium cydoniifolium Vill. subsp. **trichojuvanum** (Zahn) Zahn
Hieracium dasytrichum Arv.-Touv. subsp. **capnoides** (Kern. ex Näg. & Peter) Zahn
Hieracium dasytrichum Arv.-Touv. subsp. **dasytrichum**
Hieracium dasytrichum Arv.-Touv. subsp. **mesomorphum** (Nägeli & Peter) Zahn
Hieracium dasytrichum Arv.-Touv. subsp. **neopolytrichum** (Arv.-Touv.) Greuter
Hieracium dasytrichum Arv.-Touv. subsp. **pseudopiliferum** (Nägeli & Peter) Zahn
Hieracium dasytrichum Arv.-Touv. subsp. **subpiliferum** (Arv.-Touv.) Zahn
Hieracium dentatum Hoppe subsp. **aechmetes** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **basifoliatum** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **carinthicola** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **cenisium** (Arv.-Touv.) Zahn
Hieracium dentatum Hoppe subsp. **dentatifolium** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **dentatiforme** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **dentatum**
 E **Hieracium dentatum** Hoppe subsp. **dentissimum** Gottschl.
Hieracium dentatum Hoppe subsp. **depressum** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **erigerontinum** (Arv.-Touv.) Zahn
Hieracium dentatum Hoppe subsp. **expallens** (Fr.) Nägeli & Peter
Hieracium dentatum Hoppe subsp. **gaudinii** (Christener) Nägeli & Peter
Hieracium dentatum Hoppe subsp. **ionchites** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **maculifolium** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **marmoratum** Nägeli & Peter
 E **Hieracium dentatum** Hoppe subsp. **montiscatriae** Gottschl.
Hieracium dentatum Hoppe subsp. **oblongifolium** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **ormontense** Nägeli & Peter

- Hieracium dentatum* Hoppe subsp. **prionodes** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **pseudoplantagineum** (Zahn) Zahn
Hieracium dentatum Hoppe subsp. **pseudoporrectum** (Gremli) Nägeli & Peter
E *Hieracium dentatum* Hoppe subsp. **pseudovillosum** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **setuligerum** Gottschl.
Hieracium dentatum Hoppe subsp. **subnudum** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **subruncinatum** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **subvillosum** Nägeli & Peter
E *Hieracium dentatum* Hoppe subsp. **tigrinum** Nägeli & Peter
E *Hieracium dentatum* Hoppe subsp. **trefferianiforme** Gottschl.
Hieracium dentatum Hoppe subsp. **trefferianum** (Nägeli & Peter) Zahn
Hieracium dentatum Hoppe subsp. **trentanum** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **tricephalum** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **turritiforme** Nägeli & Peter
Hieracium dentatum Hoppe subsp. **vaudense** (Arv.-Touv.) Zahn
E *Hieracium dentatum* Hoppe subsp. **villosiforme** Nägeli & Peter
E *Hieracium dentatum* Hoppe subsp. **xanthostylophorum** Furrer & Zahn
E *Hieracium dermatophyllum* Arv.-Touv. subsp. **acutidens** Gottschl.
Hieracium dermatophyllum Arv.-Touv. subsp. **dermatophyllum**
Hieracium dermatophyllum Arv.-Touv. subsp. **juraniforme** (Zahn) Greuter
Hieracium dermatophyllum Arv.-Touv. subsp. **juranigenum** (Zahn) Greuter
Hieracium dermatophyllum Arv.-Touv. subsp. **ortiganum** (Zahn) Greuter
Hieracium diaphanoides Lindeb. subsp. **cinerascensifolium** Besse & Zahn
Hieracium diaphanoides Lindeb. subsp. **deductiforme** Zahn
Hieracium diaphanoides Lindeb. subsp. **diaphanoides**
E *Hieracium diaphanoides* Lindeb. subsp. **dimonense** Gottschl.
E *Hieracium diaphanoides* Lindeb. subsp. **forojuliense** Gottschl.
Hieracium diaphanoides Lindeb. subsp. **haslibergense** Käser & Zahn
Hieracium diaphanoides Lindeb. subsp. **pseudumbrosum** Zahn
Hieracium diaphanoides Lindeb. subsp. **subelegans** (Murr & Zahn) Gottschl.
Hieracium diaphanoides Lindeb. subsp. **vogesorum** Zahn
Hieracium diaphanoides Lindeb. subsp. **vorarlbergense** (Murr & Zahn) Zahn
Hieracium digenum Burn. & Gremli
Hieracium dolichaetum Zahn
E *Hieracium dollineri* Sch.Bip. ex Neilr. subsp. **addanum** Zahn
E *Hieracium dollineri* Sch.Bip. ex Neilr. subsp. **crinibasis** Korb & Zahn
E *Hieracium dollineri* Sch.Bip. ex Neilr. subsp. **crinitellum** Murr & Zahn
Hieracium dollineri Sch.Bip. ex Neilr. subsp. **dollineri**
Hieracium dollineri Sch.Bip. ex Neilr. subsp. **gadensiforme** Murr & Zahn
Hieracium dollineri Sch.Bip. ex Neilr. subsp. **glaucogenes** Murr & Zahn
Hieracium dollineri Sch.Bip. ex Neilr. subsp. **hyoseriophyllum** Zahn
E *Hieracium dollineri* Sch.Bip. ex Neilr. subsp. **pseudobaldense** Murr & Zahn
Hieracium dollineri Sch.Bip. ex Neilr. subsp. **pseudofucatum** Zahn
Hieracium dollineri Sch.Bip. ex Neilr. subsp. **subcrinitellum** Murr & Zahn
Hieracium dollineri Sch.Bip. ex Neilr. subsp. **tephromelanum** Benz & Zahn
Hieracium dollineri Sch.Bip. ex Neilr. subsp. **tridentinum** (Evers) Murr
Hieracium doronicifolium Arv.-Touv. subsp. **doronicifolium**
Hieracium doronicifolium Arv.-Touv. subsp. **salevense** (Rapin ex Fr.) Gottschl.
Hieracium dragicola (Nägeli & Peter) Zahn subsp. **carstiense** (Nägeli & Peter) Zahn
Hieracium dragicola (Nägeli & Peter) Zahn subsp. **dragicola**
E *Hieracium dragicola* (Nägeli & Peter) Zahn subsp. **pseudodragicola** Zahn
E *Hieracium dragicola* (Nägeli & Peter) Zahn subsp. **rossianum** Zahn
E *Hieracium dunkelii* Gottschl.
E *Hieracium duronense* Gottschl.
ET *Hieracium elbanum* Belli ex Baroni
Hieracium erioleucum Zahn subsp. **albatum** (Nägeli & Peter) Zahn
Hieracium erioleucum Zahn subsp. **chionodes** (Nägeli & Peter) Zahn
Hieracium erioleucum Zahn subsp. **erioleucum**
Hieracium erioleucum Zahn subsp. **eriovillosum** (Nägeli & Peter) Zahn
E *Hieracium erioleucum* Zahn subsp. **stenopodium** Zahn
Hieracium erucophyllum Prain subsp. **erucophyllum**
Hieracium erucophyllum Prain subsp. **prinzii** (Käser ex Zahn) Greuter
E *Hieracium erucopsis* Gottschl.
E *Hieracium exilicaule* Gottschl.
Hieracium falcatum Arv.-Touv. subsp. **falcatum**
E *Hieracium fastuosum* Zahn
E *Hieracium faucisjovis* Gottschl.
Hieracium flagelliferum Ravaut
Hieracium froelichianum H.Buek subsp. **beauverdianum** (Besse & Zahn) Gottschl. & Greuter
E *Hieracium froelichianum* H.Buek subsp. **cavicola** Gottschl.
E *Hieracium froelichianum* H.Buek subsp. **crepidens** (Zahn) Gottschl. & Greuter
E *Hieracium froelichianum* H.Buek subsp. **epimediiforme** (Benz & Zahn) Gottschl. & Greuter
Hieracium froelichianum H.Buek subsp. **epimedium** (Fr.) Gottschl. & Greuter
Hieracium froelichianum H.Buek subsp. **exilentum** (Arv.-Touv.) Gottschl. & Greuter
Hieracium froelichianum H.Buek subsp. **froelichianum**
Hieracium froelichianum H.Buek subsp. **heterolobum** (Zahn) Gottschl. & Greuter
E *Hieracium froelichianum* H.Buek subsp. **laevipedunculum** (Zahn) Gottschl. & Greuter
Hieracium froelichianum H.Buek subsp. **laricicola** (C.Bicknell & Zahn) Gottschl. & Greuter

- Hieracium froelichianum* H.Buek subsp. **macilentum** (Fr.) Gottschl. & Greuter
 E *Hieracium froelichianum* H.Buek subsp. **punctiferum** Gottschl.
Hieracium froelichianum H.Buek subsp. **sparsipilum** (Zahn) Gottschl. & Greuter
Hieracium froelichianum H.Buek subsp. **subepimedium** (Murr & Zahn) Gottschl. & Greuter
Hieracium froelichianum H.Buek subsp. **subvulsum** (Zahn) Gottschl. & Greuter
Hieracium froelichianum H.Buek subsp. **wimmerioides** (Zahn) Gottschl. & Greuter
 E *Hieracium fulcratum* Arv.-Touv. subsp. **lillense** (Zahn) Zahn
 E *Hieracium galerooides* Gottschl. subsp. **aculeatisquamum** Gottschl.
 E *Hieracium galerooides* Gottschl. subsp. **galerooides**
 E *Hieracium geilingeri* Zahn subsp. **brembanae** Wilczek & Zahn
Hieracium geilingeri Zahn subsp. **geilingeri**
Hieracium glabratum Hoppe ex Willd. subsp. **doratolepium** Nägeli & Peter
Hieracium glabratum Hoppe ex Willd. subsp. **glabratum**
Hieracium glabratum Hoppe ex Willd. subsp. **gymnophyllum** Nägeli & Peter
Hieracium glabratum Hoppe ex Willd. subsp. **leontinum** Nägeli & Peter
Hieracium glabratum Hoppe ex Willd. subsp. **niphoneuron** Nägeli & Peter
Hieracium glabratum Hoppe ex Willd. subsp. **nudum** A.Kern. ex Nägeli & Peter
Hieracium glabratum Hoppe ex Willd. subsp. **pseudoflexuosum** Nägeli & Peter
Hieracium glabratum Hoppe ex Willd. subsp. **senecioides** (Arv.-Touv. & Gaut.) Zahn
Hieracium glanduliferum Hoppe subsp. **fuliginatum** Huter & Gander ex Nägeli & Peter
Hieracium glanduliferum Hoppe subsp. **glanduliferum**
Hieracium glanduliferum Hoppe subsp. **hololeptum** Nägeli & Peter
Hieracium glanduliferum Hoppe subsp. **leucopsis** Arv.-Touv. ex Nägeli & Peter
Hieracium glanduliferum Hoppe subsp. **piliferum** Hoppe ex Nägeli & Peter
Hieracium glanduliferum Hoppe subsp. **subnivale** (Gren. & Godr.) Nägeli & Peter
 E *Hieracium glanduliferum* Hoppe subsp. **subnivaliforme** Zahn
 E *Hieracium glaucinum* Jord. subsp. **acrocampylum** (Zahn) Greuter
Hieracium glaucinum Jord. subsp. **arnicoides** (Gren. & Godr.) O.Bolòs & Vigo
Hieracium glaucinum Jord. subsp. **bounophilum** (Jord. ex Boreau) O.Bolòs & Vigo
Hieracium glaucinum Jord. subsp. **cinerascens** (Jord.) Breistr. & Litard.
 E *Hieracium glaucinum* Jord. subsp. **cispadanum** (Fen. & Zahn) Greuter
Hieracium glaucinum Jord. subsp. **conjugatum** (Jord. ex Boreau) O.Bolòs & Vigo
Hieracium glaucinum Jord. subsp. **fallens** (Jord. ex Boreau) Gottschl.
Hieracium glaucinum Jord. subsp. **fragile** (Jord.) O.Bolòs & Vigo
Hieracium glaucinum Jord. subsp. **fraternum** (Sudre) Soó
Hieracium glaucinum Jord. subsp. **glaucinum**
Hieracium glaucinum Jord. subsp. **heteroschistum** (Zahn) Soó
Hieracium glaucinum Jord. subsp. **jaubertianum** (Timb.-Lagr. & Loret) O.Bolòs & Vigo
Hieracium glaucinum Jord. subsp. **oigocladum** (Jord. ex Boreau) Soó
Hieracium glaucinum Jord. subsp. **ottanense** (Zahn) Greuter
Hieracium glaucinum Jord. subsp. **ovalifolium** (Jord.) Soó
Hieracium glaucinum Jord. subsp. **pallidifrons** (Sudre) O.Bolòs & Vigo
Hieracium glaucinum Jord. subsp. **pallidulum** (Jord. ex Boreau) Soó
Hieracium glaucinum Jord. subsp. **petiolare** (Jord.) Greuter
Hieracium glaucinum Jord. subsp. **pinicola** (Sudre) Gottschl.
Hieracium glaucinum Jord. subsp. **prasinifolium** (Jord. ex Boreau) O.Bolòs & Vigo
Hieracium glaucinum Jord. subsp. **prasiophaeum** (Arv.-Touv. & Gaut.) Gottschl.
 E *Hieracium glaucinum* Jord. subsp. **pseudobasalticum** Gottschl.
Hieracium glaucinum Jord. subsp. **pseudobounophilum** (Zahn) Gottschl.
Hieracium glaucinum Jord. subsp. **pseudocyaneum** (Zahn) O.Bolòs & Vigo
Hieracium glaucinum Jord. subsp. **pulverosum** (Zahn) Greuter
Hieracium glaucinum Jord. subsp. **recensitum** (Jord. ex Boreau) Gottschl.
Hieracium glaucinum Jord. subsp. **similatum** (Jord. ex Boreau) Gottschl.
Hieracium glaucinum Jord. subsp. **subfraternum** (Zahn) Greuter
Hieracium glaucinum Jord. subsp. **subpubescens** (Zahn) Greuter
 E *Hieracium glaucinum* Jord. subsp. **tintiae** Gottschl.
Hieracium glaucinum Jord. subsp. **valdevestitum** (Besse & Zahn) Greuter
 E *Hieracium glaucinum* Jord. subsp. **valpergae** Gottschl.
Hieracium glaucopsis Gren. & Godr. subsp. **glaucopsis**
Hieracium glaucum All. subsp. **amaurodes** Nägeli & Peter
Hieracium glaucum All. subsp. **chiamuerae** Nägeli & Peter
Hieracium glaucum All. subsp. **chrysostylum** Nägeli & Peter
Hieracium glaucum All. subsp. **glaucum**
Hieracium glaucum All. subsp. **gymnolepium** Nägeli & Peter
Hieracium glaucum All. subsp. **isaricum** (Nägeli ex J.Hofm.) Prantl
Hieracium glaucum All. subsp. **limonense** (Burnat & Gremlí) Zahn
Hieracium glaucum All. subsp. **nipholepium** Nägeli & Peter
 E *Hieracium glaucum* All. subsp. **serenaiae** Gottschl.
Hieracium glaucum All. subsp. **stenobracteum** Nägeli & Peter
 E *Hieracium glaucum* All. subsp. **subglaucum** (Burnat & Gremlí) Zahn
 E *Hieracium glaucum* All. subsp. **subporrifolium** Nägeli & Peter
Hieracium glaucum All. subsp. **subturbinatum** Nägeli & Peter
Hieracium glaucum All. subsp. **tenerum** Nägeli & Peter
Hieracium glaucum All. subsp. **tephrolepium** Nägeli & Peter
Hieracium glaucum All. subsp. **turbinatum** Nägeli & Peter
Hieracium glaucum All. subsp. **willdenowii** (Monnier) Nägeli & Peter
Hieracium gombense Lagger ex Christener subsp. **praemontanum** (Benz & Zahn) Zahn
Hieracium gombense Lagger ex Christener subsp. **weitfeldense** (Murr) Zahn

- E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **grovesianum**
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **luteobarbatum** Gottschl.
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **nigrotectorum** Gottschl.
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **peracutum** Gottschl.
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **pseuditalicum** (Zahn) Gottschl.
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **rigoanum** (Zahn) Zahn
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **rivasolanum** Zahn
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **serratifolioides** Gottschl.
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **stenofolium** Gottschl.
E *Hieracium grovesianum* Arv.-Touv. ex Belli subsp. **varellanum** (Zahn) Zahn
Hieracium hayekii Murr
Hieracium hispidulum Arv.-Touv. subsp. **hispidulum**
Hieracium huetianum Arv.-Touv.
Hieracium humile Jacq. subsp. **brachycaule** Vuk. ex Zahn
Hieracium humile Jacq. subsp. **humile**
Hieracium humile Jacq. subsp. **lacerum** (Reut. ex Fr.) Zahn
Hieracium humile Jacq. subsp. **pseudocottetii** Zahn
Hieracium hypochoeroides S.Gibson subsp. **adesiforme** (Zahn) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **adesum** (Bernoulli & Zahn) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **bifidopsis** (Zahn) Greuter
Hieracium hypochoeroides S.Gibson subsp. **bridelianum** (Zahn) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **cilentanum** Di Grist., Gottschl. & Raimondo
Hieracium hypochoeroides S.Gibson subsp. **cinerascensiforme** (Zahn) Greuter
Hieracium hypochoeroides S.Gibson subsp. **dolichellum** (Arv.-Touv. & Gaut.) Greuter
Hieracium hypochoeroides S.Gibson subsp. **glaucibifidum** (Arv.-Touv. & Gaut.) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **grandisaxense** Gottschl.
Hieracium hypochoeroides S.Gibson subsp. **hemibifidum** (Zahn) Greuter
Hieracium hypochoeroides S.Gibson subsp. **lineatiforme** (Zahn) Greuter
Hieracium hypochoeroides S.Gibson subsp. **lineatoides** (Zahn) Greuter
Hieracium hypochoeroides S.Gibson subsp. **lithophilum** (Arv.-Touv.) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **lucanicum** (Arv.-Touv.) Di Grist., Gottschl. & Raimondo
E *Hieracium hypochoeroides* S.Gibson subsp. **montis-scuderii** Di Grist., Gottschl., Galesi, Raimondo & Cristaudo
Hieracium hypochoeroides S.Gibson subsp. **nervulosum** (Arv.-Touv. & Gaut.) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **pallidopsis** Gottschl.
E *Hieracium hypochoeroides* S.Gibson subsp. **peracutisquamum** Di Grist., Gottschl. & Raimondo
E *Hieracium hypochoeroides* S.Gibson subsp. **pinnatisissimum** (Zahn) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **potamogetifolium** Gottschl.
Hieracium hypochoeroides S.Gibson subsp. **prasinophyton** (Zahn) Greuter
Hieracium hypochoeroides S.Gibson subsp. **pseudograniticum** (Besse & Zahn) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **serinense** (Zahn) Greuter
Hieracium hypochoeroides S.Gibson subsp. **subcanens** (Arv.-Touv. & Gaut.) Greuter
Hieracium hypochoeroides S.Gibson subsp. **subcinereum** (Arv.-Touv. & Gaut.) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **sublanigerum** (Arv.-Touv. ex Belli) Gottschl. & Wagens.
Hieracium hypochoeroides S.Gibson subsp. **sublineolatum** (Zahn) Greuter
E *Hieracium hypochoeroides* S.Gibson subsp. **supramontanum** (Arrigoni) Greuter
Hieracium hypochoeroides S.Gibson subsp. **wiesbaurianum** (R.Uechtr.) Greuter
E *Hieracium illyricopsis* Gottschl.
E *Hieracium insubricum* Gottschl.
Hieracium intertextum Arv.-Touv.
Hieracium inuloides Tausch subsp. **lanceolatifolium** (Zahn) Zahn
Hieracium inuloides Tausch subsp. **poellianum** Zahn
Hieracium inuloides Tausch subsp. **subconicum** Zahn
Hieracium inuloides Tausch subsp. **subtridentatum** (Zahn) Zahn
E *Hieracium inuloides* Tausch subsp. **subvirens** (Arv.-Touv.) Greuter
E *Hieracium inuloides* Tausch subsp. **subvirentiforme** Zahn
E *Hieracium inuloides* Tausch subsp. **tridentatifolium** (Zahn) Zahn
E *Hieracium inuloides* Tausch subsp. **vetteri** Zahn
Hieracium isatidifolium Arv.-Touv. subsp. **isatidifolium**
Hieracium isolanum Zahn
Hieracium jordanii Arv.-Touv. subsp. **jordanii**
Hieracium jordanii Arv.-Touv. subsp. **lacistum** (Nägeli & Peter) Zahn
Hieracium jordanii Arv.-Touv. subsp. **pseudotomentosum** (Nägeli & Peter) Zahn
E *Hieracium jordanii* Arv.-Touv. subsp. **yvesianum** (Arv.-Touv.) Zahn
E *Hieracium juengeri* Gottschl.
Hieracium juranum Rapin subsp. **juranum**
Hieracium jurassicum Griseb. subsp. **adenocalathium** (Zahn) Greuter
Hieracium jurassicum Griseb. subsp. **aligerum** (Zahn) Greuter
Hieracium jurassicum Griseb. subsp. **amplexifolium** (Arv.-Touv.) Greuter
Hieracium jurassicum Griseb. subsp. **cichoriaceum** (Arv.-Touv.) Gottschl.
Hieracium jurassicum Griseb. subsp. **constrictiforme** (Zahn) Greuter
E *Hieracium jurassicum* Griseb. subsp. **decreascentifolium** (Murr & Zahn) Greuter
E *Hieracium jurassicum* Griseb. subsp. **decreascentifrons** (Zahn) Greuter
Hieracium jurassicum Griseb. subsp. **elegantissimum** (Zahn) Gottschl.
Hieracium jurassicum Griseb. subsp. **fontanalbae** (C.Bicknell & Zahn) Greuter
Hieracium jurassicum Griseb. subsp. **hemiplecoides** (Arv.-Touv. & Gaut.) Greuter
Hieracium jurassicum Griseb. subsp. **hemiplecum** (Arv.-Touv.) Greuter
Hieracium jurassicum Griseb. subsp. **jaceoides** (Arv.-Touv.) Gottschl.
Hieracium jurassicum Griseb. subsp. **jurassicum**

- Hieracium jurassicum* Griseb. subsp. **lancifrons** (Zahn) Greuter
Hieracium jurassicum Griseb. subsp. **prenanthopsis** (Murr & Zahn) Gottschl.
Hieracium jurassicum Griseb. subsp. **pseudohemiplexum** (Zahn) Gottschl.
Hieracium jurassicum Griseb. subsp. **pseudojuranum** (Arv.-Touv.) Greuter
Hieracium jurassicum Griseb. subsp. **stenoplecopsis** (Zahn) Greuter
Hieracium jurassicum Griseb. subsp. **subperfoliatum** (Arv.-Touv.) Greuter
Hieracium jurassicum Griseb. subsp. **translucens** (Arv.-Touv.) Greuter
Hieracium kalsianum Huter subsp. **kalsianum**
Hieracium kalsianum Huter subsp. **ochroleucopsis** Zahn
E *Hieracium kofelicum* Gottschl.
Hieracium lachenalii Suter subsp. **acidodontophyllum** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **acuminatum** (Jord.) Zahn
Hieracium lachenalii Suter subsp. **acutatifrons** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **alpestre** (R.Uechtr.) Greuter
Hieracium lachenalii Suter subsp. **amaurochlorum** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **anfractum** (Fr.) Zahn
Hieracium lachenalii Suter subsp. **argillaceum** (Jord.) Zahn
Hieracium lachenalii Suter subsp. **aspernatum** (Jord. ex Boreau) Zahn
Hieracium lachenalii Suter subsp. **asyngamicum** (Borbás) Zahn
Hieracium lachenalii Suter subsp. **aurulentum** (Jord. ex Boreau) Zahn
Hieracium lachenalii Suter subsp. **ausserdorferi** (Hausm. ex Zahn) Zahn
Hieracium lachenalii Suter subsp. **aviicola** (Jord. ex Boreau) Zahn
Hieracium lachenalii Suter subsp. **bathylepium** (Dahlst.) Zahn
Hieracium lachenalii Suter subsp. **brevidentatum** (Jord. ex Boreau) Zahn
E *Hieracium lachenalii* Suter subsp. **chlorophyllum** (Jord. ex Boreau) Zahn
Hieracium lachenalii Suter subsp. **chrysoglossoides** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **euchlorum** (Murr & Zahn) Zahn
Hieracium lachenalii Suter subsp. **fastigiatum** (Fr.) Zahn
Hieracium lachenalii Suter subsp. **festinum** (Jord. ex Boreau) Zahn
Hieracium lachenalii Suter subsp. **frondosiforme** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **garckeianum** (Asch.) Zahn
E *Hieracium lachenalii* Suter subsp. **haematochromum** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **interaquense** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **irriguum** (Fr.) Zahn
Hieracium lachenalii Suter subsp. **lachenalii**
Hieracium lachenalii Suter subsp. **lepiduloides** Zahn
E *Hieracium lachenalii* Suter subsp. **lupimontis** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **mutiense** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **obscuriceps** (Dahlst.) Greuter
Hieracium lachenalii Suter subsp. **paucifoliatum** (Jord. ex Boreau) Zahn
Hieracium lachenalii Suter subsp. **persicissum** (Jord. ex Boreau) Zahn
Hieracium lachenalii Suter subsp. **pinnatifidum** (Dahlst.) Zahn
Hieracium lachenalii Suter subsp. **purpureoviolascens** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **scanicum** (Dahlst.) Zahn
Hieracium lachenalii Suter subsp. **subampliatum** (Dahlst.) Zahn
Hieracium lachenalii Suter subsp. **subfastigiatum** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **subirriguifrons** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **subirriguum** (Dahlst.) Zahn
Hieracium lachenalii Suter subsp. **sublepiduliforme** Harz & Zahn
Hieracium lachenalii Suter subsp. **subpunctillatiforme** (Zahn) Zahn
Hieracium lachenalii Suter subsp. **subviriduliceps** (Zahn) Zahn
E *Hieracium lachenalii* Suter subsp. **tortifolium** (Jord. ex Boreau) Zahn
Hieracium laevigatum Willd. subsp. **albardanum** Zahn
Hieracium laevigatum Willd. subsp. **amaurolepis** Murr & Zahn
Hieracium laevigatum Willd. subsp. **gothiciforme** (Dahlst.) Zahn
E *Hieracium laevigatum* Willd. subsp. **grandidens** Zahn
Hieracium laevigatum Willd. subsp. **gsiesense** Zahn
Hieracium laevigatum Willd. subsp. **knafii** (Celak.) Zahn
Hieracium laevigatum Willd. subsp. **laevigans** Zahn
Hieracium laevigatum Willd. subsp. **laevigatum**
Hieracium laevigatum Willd. subsp. **lineatum** (Dahlst.) Zahn
Hieracium laevigatum Willd. subsp. **magistri** (Godr.) Zahn
Hieracium laevigatum Willd. subsp. **nivale** (Froel.) Zahn
E *Hieracium laevigatum* Willd. subsp. **pictaviense** (Sauzé & Maillard) Zahn
Hieracium laevigatum Willd. subsp. **pizzulicum** Gottschl.
Hieracium laevigatum Willd. subsp. **pseudogothicum** (Arv.-Touv.) Zahn
Hieracium laevigatum Willd. subsp. **retardatum** Zahn
Hieracium laevigatum Willd. subsp. **rigidum** (Hartm.) Zahn
E *Hieracium laevigatum* Willd. subsp. **stenogonium** Zahn
E *Hieracium laevigatum* Willd. subsp. **trichocalyx** Gottschl.
Hieracium laevigatum Willd. subsp. **tridentatum** (Fr.) Celak.
Hieracium lanseanum Arv.-Touv. subsp. **lanseanum**
E *Hieracium latilepidotum* Gottschl.
E *Hieracium lawsonii* Vill. subsp. **elvae** Gottschl. & Dunkel
Hieracium lawsonii Vill. subsp. **lawsonii**
E *Hieracium leiocephalum* Bartl. ex Griseb. subsp. **abortivum** (Nägeli & Peter) Zahn
Hieracium leiocephalum Bartl. ex Griseb. subsp. **besenellum** Zahn
Hieracium leiocephalum Bartl. ex Griseb. subsp. **leiocephalum**

- Hieracium leiocephalum* Bartl. ex Griseb. subsp. **melanocalyx** (Nägeli & Peter) Zahn
Hieracium leiocephalum Bartl. ex Griseb. subsp. **subumbellatum** (Nägeli & Peter) Gottschl.
E *Hieracium leiocephalum* Bartl. ex Griseb. subsp. **timaviense** (Nägeli & Peter) Zahn
Hieracium leiophaeum Arv.-Touv.
Hieracium leiopogon Gren. ex Verl. subsp. **hyposericum** Zahn
Hieracium leiopogon Gren. ex Verl. subsp. **iolai** (Arrigoni) Greuter
Hieracium leucophaeum Gren. & Godr. subsp. **asterinum** (Arv.-Touv. & Briq.) Zahn
Hieracium leucophaeum Gren. & Godr. subsp. **diabolinum** (Nägeli & Peter) Zahn
Hieracium leucophaeum Gren. & Godr. subsp. **gremlii** (Arv.-Touv.) Zahn
Hieracium leucophaeum Gren. & Godr. subsp. **leucophaeum**
Hieracium levicaule Jord. subsp. **acroleucum** (Dahlst.) Zahn
Hieracium levicaule Jord. subsp. **ausugum** (Murr & Zahn) Zahn
Hieracium levicaule Jord. subsp. **calcigenum** (Rehm.) Zahn
Hieracium levicaule Jord. subsp. **campylodon** (Zahn) Greuter
Hieracium levicaule Jord. subsp. **chloroviolaecum** F.Feurstein & Zahn
Hieracium levicaule Jord. subsp. **davallianum** (Zahn) Zahn
Hieracium levicaule Jord. subsp. **eurobremium** Zahn
Hieracium levicaule Jord. subsp. **euorum** (Murr & Zahn) Zahn
Hieracium levicaule Jord. subsp. **fissicladum** (Zahn) Zahn
Hieracium levicaule Jord. subsp. **lepidulum** (Dahlst.) Greuter
Hieracium levicaule Jord. subsp. **lonchodes** (Murr & Zahn) Zahn
Hieracium levicaule Jord. subsp. **psammogeton** (Zahn) Zahn
Hieracium levicaule Jord. subsp. **pseudosenile** (Zahn) Zahn
Hieracium levicaule Jord. subsp. **siderense** (Zahn) Zahn
Hieracium levicaule Jord. subsp. **triviale** (Norrl.) Zahn
Hieracium levicaule Jord. subsp. **vitulimontis** Zahn
Hieracium levicaule Jord. subsp. **vulgatiflorum** (Zahn) Zahn
Hieracium leptovense Borbás
Hieracium longifolium Schleich. ex Hornem. subsp. **longifolium**
Hieracium longifolium Schleich. ex Hornem. subsp. **neocerinthoides** (Arv.-Touv. & Briq.) Greuter
E *Hieracium lucidum* Guss.
Hieracium lychnioides Arv.-Touv.
Hieracium lycopifolium Froel. subsp. **bifrons** (Arv.-Touv.) Zahn
Hieracium lycopifolium Froel. subsp. **lycopifolioides** Zahn
Hieracium lycopifolium Froel. subsp. **lycopifolium**
E *Hieracium lycopifolium* Froel. subsp. **ocreanum** Gottschl.
Hieracium lycopifolium Froel. subsp. **pseudeminens** Zahn
Hieracium lycopifolium Froel. subsp. **sabaudifolium** Zahn
Hieracium lycopifolium Froel. subsp. **trichoprenanthes** (Zahn) Zahn
Hieracium lycopifolium Froel. subsp. **vallisiacum** (Fr.) Zahn
E *Hieracium macrogrovesianum* Gottschl. subsp. **colfloritense** Gottschl.
E *Hieracium macrogrovesianum* Gottschl. subsp. **macrogrovesianum**
Hieracium maculatum Schrank subsp. **arrectariicaule** (Sudre) Greuter
Hieracium maculatum Schrank subsp. **astictum** F.Feurstein & Zahn
Hieracium maculatum Schrank subsp. **commixtum** (Jord.) Zahn
Hieracium maculatum Schrank subsp. **cruentum** (Jord.) Zahn
Hieracium maculatum Schrank subsp. **divisum** (Jord.) Zahn
Hieracium maculatum Schrank subsp. **maculatum**
E *Hieracium marchesonii* Gottschl.
E *Hieracium marsorum* Gottschl.
Hieracium mattirolaanum Arv.-Touv. & Belli subsp. **farinulentiforme** (Zahn) Greuter
Hieracium mattirolaanum Arv.-Touv. & Belli subsp. **martellianum** (Zahn) Greuter
E *Hieracium medense* Gottschl. & Dunkel
Hieracium melanops Arv.-Touv. subsp. **mairanum** (Belli) Greuter
Hieracium melanops Arv.-Touv. subsp. **melanops**
Hieracium melanops Arv.-Touv. subsp. **subadusticeps** (Zahn) Greuter
Hieracium misaucinum Nägeli & Peter subsp. **misaucinum**
Hieracium misaucinum Nägeli & Peter subsp. **prionotum** (Arv.-Touv.) Zahn
Hieracium mollitum Arv.-Touv. subsp. **mollitum**
E *Hieracium monnieri* Arv.-Touv. subsp. **goderiense** (Zahn) Zahn
E *Hieracium monregalense* Burnat & Greml. subsp. **gibellianum** (Arv.-Touv. & Belli) Zahn
E *Hieracium monregalense* Burnat & Greml. subsp. **lanosum** (Nägeli & Peter) Zahn
E *Hieracium monregalense* Burnat & Greml. subsp. **monregalense**
E *Hieracium monregalense* Burnat & Greml. subsp. **villiferum** (Nägeli & Peter) Zahn
E *Hieracium montis-florum* Gottschl. subsp. **montis-florum**
E *Hieracium montis-florum* Gottschl. subsp. **soldanoi** Gottschl.
E *Hieracium montis-porraræ* Gottschl.
Hieracium murorum L. subsp. **adenobifidum** Wilczek & Zahn
Hieracium murorum L. subsp. **amaurocymum** (Touton & Zahn ex Dalla Torre & Sarnth.) Greuter
E *Hieracium murorum* L. subsp. **anisobasis** Gottschl.
Hieracium murorum L. subsp. **aspreticola** (Jord. ex Boreau) Zahn
Hieracium murorum L. subsp. **atropaniculatum** (Zahn) Zahn
E *Hieracium murorum* L. subsp. **atrovirens** (Froel.) Raimondo & Di Grist.
Hieracium murorum L. subsp. **basalticiforme** Korb & Zahn
Hieracium murorum L. subsp. **bifidiforme** (Zahn) Zahn
Hieracium murorum L. subsp. **boetzkesii** Zahn
Hieracium murorum L. subsp. **brachylobosum** J.Vetter & Zahn
Hieracium murorum L. subsp. **calvifrons** Zahn

- Hieracium murorum* L. subsp. *cardiophyllum* (Sudre) Zahn
Hieracium murorum L. subsp. *circumstellatum* (Zahn) Zahn
Hieracium murorum L. subsp. *cirritoides* (Zahn) Zahn
E *Hieracium murorum* L. subsp. *cirritoidiforme* Zahn
Hieracium murorum L. subsp. *crepidanthes* Zahn
Hieracium murorum L. subsp. *crepidiflorum* (Polák) Zahn
Hieracium murorum L. subsp. *denticulatifrons* J.Vetter & Zahn
Hieracium murorum L. subsp. *erucifolium* (Arv.-Touv.) Zahn
E *Hieracium murorum* L. subsp. *exotericum* (Jord. ex Boreau) Sudre
Hieracium murorum L. subsp. *flavescens* (Evers) Zahn
Hieracium murorum L. subsp. *fritschii* (Pernh.) Zahn
Hieracium murorum L. subsp. *gentile* (Jord. ex Boreau) Sudre
E *Hieracium murorum* L. subsp. *gigantolobum* Zahn
Hieracium murorum L. subsp. *glandellatum* Zahn
Hieracium murorum L. subsp. *graminicolor* (Zahn) Zahn
E *Hieracium murorum* L. subsp. *graminochlorum* Fen. & Zahn
E *Hieracium murorum* L. subsp. *grypharioides* Zahn
Hieracium murorum L. subsp. *hemigrypotes* Zahn
E *Hieracium murorum* L. subsp. *heteroserratum* Gottschl.
E *Hieracium murorum* L. subsp. *infralobatum* Zahn
Hieracium murorum L. subsp. *infrasericatum* Murr & Zahn
Hieracium murorum L. subsp. *integratum* (Dahlst.) Zahn
Hieracium murorum L. subsp. *kassanum* Zahn
Hieracium murorum L. subsp. *longilacerum* Murr & Zahn
Hieracium murorum L. subsp. *lorysicum* Krafft & Zahn
E *Hieracium murorum* L. subsp. *marmarolense* Pamp. & Zahn
E *Hieracium murorum* L. subsp. *megaleiobium* Pamp. & Zahn
E *Hieracium murorum* L. subsp. *melanopsiforme* Zahn
Hieracium murorum L. subsp. *melanosphaeroides* Romieux & Zahn
Hieracium murorum L. subsp. *microspilon* (Sudre) Zahn
Hieracium murorum L. subsp. *mundellum* Zahn
Hieracium murorum L. subsp. *nemorensis* (Jord.) Zahn
E *Hieracium murorum* L. subsp. *nivimarginatum* Gottschl.
Hieracium murorum L. subsp. *oblongum* (Jord.) Zahn
Hieracium murorum L. subsp. *odontobium* Zahn
Hieracium murorum L. subsp. *oxyodontopsis* (Touton & Zahn) Zahn
Hieracium murorum L. subsp. *persinuatum* Zahn
Hieracium murorum L. subsp. *perviride* Zahn
Hieracium murorum L. subsp. *pictoprasinum* Fen. & Zahn
Hieracium murorum L. subsp. *pleiotrichum* (Zahn) Zahn
Hieracium murorum L. subsp. *polygonium* Zahn
Hieracium murorum L. subsp. *psammogenoides* Zahn
Hieracium murorum L. subsp. *pseudobifidiforme* Pamp. & Zahn
Hieracium murorum L. subsp. *pseudodiaphanoides* Gerstl. & Zahn
E *Hieracium murorum* L. subsp. *pseudofritschii* Zahn
Hieracium murorum L. subsp. *pseudomedianum* Besse & Zahn
Hieracium murorum L. subsp. *pseudomerianum* P.Rossi & Zahn
Hieracium murorum L. subsp. *pseudosilvularum* Zahn
E *Hieracium murorum* L. subsp. *pseudosubulatidens* Pamp. & Zahn
Hieracium murorum L. subsp. *ramosiforme* (Zahn) Zahn
Hieracium murorum L. subsp. *samnaunicum* (Zahn) Gottschl.
E *Hieracium murorum* L. subsp. *semicontractum* P.Rossi & Zahn
Hieracium murorum L. subsp. *semisilvaticiforme* Zahn
Hieracium murorum L. subsp. *semisilvaticum* (Zahn) Zahn
Hieracium murorum L. subsp. *semisilvularum* Harz & Zahn
Hieracium murorum L. subsp. *serratifolium* (Jord. ex Boreau) Zahn
Hieracium murorum L. subsp. *sparsum* (Jord. ex Sudre) Zahn
Hieracium murorum L. subsp. *subbifidiforme* Zahn
E *Hieracium murorum* L. subsp. *subcoriifolium* Zahn
Hieracium murorum L. subsp. *subcrassum* (Dahlst.) Zahn
Hieracium murorum L. subsp. *subditivum* (Zahn) Zahn
E *Hieracium murorum* L. subsp. *subinfrasericatum* P.Rossi & Zahn
E *Hieracium murorum* L. subsp. *subintegerrimum* Gottschl.
Hieracium murorum L. subsp. *subnemorensis* (Zahn) Zahn
Hieracium murorum L. subsp. *subsemisilvularum* (Zahn) Zahn
Hieracium murorum L. subsp. *sylvivagum* (Jord. ex Boreau) Zahn
Hieracium murorum L. subsp. *sylvularum* (Jord. ex Boreau) Zahn
Hieracium murorum L. subsp. *tofianense* Pamp. & Zahn
Hieracium murorum L. subsp. *torticeps* (Dahlst.) Zahn
E *Hieracium murorum* L. subsp. *triangulilacerum* P.Rossi & Zahn
Hieracium murorum L. subsp. *valdefastigiatum* (Zahn ex Dalla Torre & Sarnth.) Zahn
Hieracium murorum L. subsp. *variilobum* Zahn
Hieracium murorum L. subsp. *wulfenii* Zahn
Hieracium naegelianum Pančić subsp. *andreae* (Degen & Zahn) Zahn
E *Hieracium nematopodum* (Zahn) P.D.Sell & C.West
Hieracium neomalyi Zahn
E *Hieracium neoplatyphyllum* Gottschl. subsp. *izzense* Gottschl.

- E *Hieracium neoplatyphyllum* Gottschl. subsp. **malacofloccosum** Gottschl.
Hieracium neoplatyphyllum Gottschl. subsp. **neoplatyphyllum**
E *Hieracium neoplatyphyllum* Gottschl. subsp. **trimontanum** Gottschl.
E *Hieracium neronense* Gottschl.
E *Hieracium neyranum* Arv.-Touv. subsp. **glaucocephalum** (Nägeli & Peter) Greuter
E *Hieracium neyranum* Arv.-Touv. subsp. **grausonicum** Besse & Zahn
Hieracium neyranum Arv.-Touv. subsp. **neyranum**
Hieracium nigrescens Willd. subsp. **cochleare** (Huter) Zahn
Hieracium nigrescens Willd. subsp. **leontodontoides** (Arv.-Touv. & Briq.) Zahn
Hieracium nigrescens Willd. subsp. **nigrescentiforme** Zahn
Hieracium nigrescens Willd. subsp. **pseudohalleri** Zahn
Hieracium nigrescens Willd. subsp. **pseudorhaeticum** Zahn
Hieracium nigrescens Willd. subsp. **rhaeticum** (Fr.) Zahn
Hieracium nigrescens Willd. subsp. **subneglectum** (Zahn) Zahn
Hieracium nigrescens Willd. subsp. **subpumulum** (Zahn) Zahn
E *Hieracium niveobarbatum* Arv.-Touv. ex Gottschl.
E *Hieracium nubitantens* Gottschl.
Hieracium obscuratum Murr subsp. **nigratum** (Murr & Zahn) Greuter
Hieracium obscuratum Murr subsp. **obscuratum**
E *Hieracium obscuratum* Murr subsp. **sampeyrense** Gottschl.
E *Hieracium obscuratum* Murr subsp. **violae** (Fen. & Zahn) Greuter
Hieracium oligodon Nägeli & Peter subsp. **oligodon**
Hieracium onosmoides Fr. subsp. **onosmoides**
Hieracium onosmoides Fr. subsp. **subrude** (Arv.-Touv.) Zahn
Hieracium oreiocephalum Zahn subsp. **oreiocephalum**
E *Hieracium orodoxum* Gottschl. subsp. **orodoxum**
E *Hieracium orodoxum* Gottschl. subsp. **pseudonaegelianum** Gottschl.
E *Hieracium orsiera* Gottschl.
Hieracium oxyodon Fr. subsp. **ganderi** (Zahn) Zahn
Hieracium oxyodon Fr. subsp. **incisiforme** (Murr) Zahn
Hieracium oxyodon Fr. subsp. **inclinatum** (Arv.-Touv.) Zahn
E *Hieracium oxyodon* Fr. subsp. **leucochaetopodum** Fen. & Zahn
Hieracium oxyodon Fr. subsp. **leucopodum** (Zahn) Zahn
E *Hieracium oxyodon* Fr. subsp. **longanum** (Arv.-Touv.) Zahn
Hieracium oxyodon Fr. subsp. **muretii** (Gremli) Zahn
Hieracium oxyodon Fr. subsp. **oxyodon**
Hieracium oxyodon Fr. subsp. **pseudoscabrellum** Zahn
Hieracium oxyodon Fr. subsp. **subcanescens** (Murr) Zahn
Hieracium oxyodon Fr. subsp. **tomense** (Zahn) Zahn
E *Hieracium pallescens* Waldst. & Kit. subsp. **ciliatifolium** (Zahn) Gottschl.
E *Hieracium pallescens* Waldst. & Kit. subsp. **gelmianum** (Sarnth.) Gottschl.
Hieracium pallescens Waldst. & Kit. subsp. **hittense** (Murr) Greuter
Hieracium pallescens Waldst. & Kit. subsp. **humiliforme** (Zahn) Gottschl.
Hieracium pallescens Waldst. & Kit. subsp. **incisum** (Hoppe) Greuter
Hieracium pallescens Waldst. & Kit. subsp. **macranthoides** (Zahn) Gottschl.
Hieracium pallescens Waldst. & Kit. subsp. **muroriforme** (Zahn) Gottschl.
Hieracium pallescens Waldst. & Kit. subsp. **murrianum** (Arv.-Touv. ex Murr) Gottschl.
Hieracium pallescens Waldst. & Kit. subsp. **naevulatum** (Zahn) Greuter
Hieracium pallescens Waldst. & Kit. subsp. **oligomeres** (Murr & Zahn) Greuter
Hieracium pallescens Waldst. & Kit. subsp. **ovale** (Zahn) Gottschl.
Hieracium pallescens Waldst. & Kit. subsp. **oxyodontiforme** (Zahn) Greuter
Hieracium pallescens Waldst. & Kit. subsp. **paicheanum** (Briq.) Greuter
Hieracium pallescens Waldst. & Kit. subsp. **pallescens**
Hieracium pallescens Waldst. & Kit. subsp. **pseudotrachelianum** (Zahn) Gottschl.
Hieracium pallescens Waldst. & Kit. subsp. **rhoeadiolium** (A.Kern. ex Willk.) Gottschl.
E *Hieracium pallescens* Waldst. & Kit. subsp. **subpatulum** (Zahn ex Benz) Greuter
Hieracium pallescens Waldst. & Kit. subsp. **tephrochlorum** (Zahn) Gottschl.
Hieracium pallescens Waldst. & Kit. subsp. **trachelianoides** (Zahn) Greuter
E *Hieracium pallidum* Biv. subsp. **aetnense** Gottschl., Raimondo & Di Grist.
E *Hieracium pallidum* Biv. subsp. **lanudae** (Gottschl.) Gottschl., Raimondo & Di Grist.
E *Hieracium pallidum* Biv. subsp. **pallidum**
Hieracium pamphili Arv.-Touv.
Hieracium pedemontanum Burnat & Gremli
E *Hieracium pellitum* Fr. subsp. **leuconeuron** Zahn
Hieracium pellitum Fr. subsp. **oligocephalum** (Arv.-Touv.) Zahn
Hieracium pellitum Fr. subsp. **pellitum**
Hieracium pellitum Fr. subsp. **pictifolium** Zahn
E *Hieracium pellitum* Fr. subsp. **praetenu** (Besse & Zahn) Zahn
Hieracium pellitum Fr. subsp. **prasinellum** (C.Bicknell & Zahn) Zahn
Hieracium pellitum Fr. subsp. **pseudolanatum** (Arv.-Touv.) Zahn
E *Hieracium pellitum* Fr. subsp. **quercifolioides** Zahn
E *Hieracium permaculatum* Gottschl. subsp. **cacuminicola** Gottschl.
E *Hieracium permaculatum* Gottschl. subsp. **permaculatum**
E *Hieracium picenorum* Gottschl. subsp. **falsobifidum** Gottschl.
E *Hieracium picenorum* Gottschl. subsp. **picenorum**
Hieracium picroides Vill. subsp. **christii** (Arv.-Touv.) Zahn
Hieracium picroides Vill. subsp. **grimsulanum** (Zahn) Zahn
Hieracium picroides Vill. subsp. **lutescens** (Huter ex Zahn) Greuter

- Hieracium picroides* Vill. subsp. ***ochroleucum*** (W.D.J.Koch) Zahn
Hieracium picroides Vill. subsp. ***picroides***
Hieracium picroides Vill. subsp. ***trichopictis*** (Zahn) Zahn
E *Hieracium pictum* Pers. subsp. ***farinulentum*** (Jord.) Zahn
E *Hieracium pictum* Pers. subsp. ***irginianum*** (Arrigoni) Greuter
E *Hieracium pictum* Pers. subsp. ***pictum***
E *Hieracium pietrae* Zahn
Hieracium pietroszense Degen & Zahn subsp. ***pietroszense***
Hieracium pilosum Schleich. ex Froel. subsp. ***comatulum*** (Nägeli & Peter) Gottschl.
Hieracium pilosum Schleich. ex Froel. subsp. ***favrei*** (Nägeli & Peter) Greuter
Hieracium pilosum Schleich. ex Froel. subsp. ***laniceps*** (Nägeli & Peter) Greuter
Hieracium pilosum Schleich. ex Froel. subsp. ***leucopogon*** (Zahn) Gottschl.
E *Hieracium pilosum* Schleich. ex Froel. subsp. ***mollipellis*** (Zahn) Gottschl.
E *Hieracium pilosum* Schleich. ex Froel. subsp. ***padolanum*** (Pamp. & Zahn) Gottschl.
Hieracium pilosum Schleich. ex Froel. subsp. ***pilosum***
Hieracium pilosum Schleich. ex Froel. subsp. ***portae*** (Nägeli & Peter) Gottschl.
Hieracium pilosum Schleich. ex Froel. subsp. ***schleicheri*** (Nägeli & Peter) Greuter
Hieracium pilosum Schleich. ex Froel. subsp. ***sericotrichum*** (Nägeli & Peter) Greuter
Hieracium pilosum Schleich. ex Froel. subsp. ***villosiceps*** Nägeli & Peter ex Gottschl.
Hieracium pilosum Schleich. ex Froel. subsp. ***villosifolium*** (Nägeli & Peter) Greuter
E *Hieracium pioracense* Gottschl.
E *Hieracium pizense* Zahn
Hieracium planchonianum Timb.-Lagr. & Loret
Hieracium plantagineum (Arv.-Touv.) Arv.-Touv. subsp. ***gapense*** Zahn
Hieracium polatschekii Gottschl.
E *Hieracium pollinense* Zahn
E *Hieracium pontiarnense* Gottschl.
Hieracium porrectum Fr. subsp. ***elongatiforme*** (Zahn) Zahn
Hieracium porrectum Fr. subsp. ***subelongatum*** (Nägeli & Peter) Zahn
Hieracium porrifolium L. subsp. ***longibracteum*** Nägeli & Peter
E *Hieracium porrifolium* L. subsp. ***niphanthum*** Nägeli & Peter
E *Hieracium porrifolium* L. subsp. ***porrifolium***
E *Hieracium porrifolium* L. subsp. ***pseudoporrifolium*** Nägeli & Peter
E *Hieracium porrifolium* L. subsp. ***sparsiglandulum*** Nägeli & Peter
E *Hieracium portanum* Belli
E *Hieracium pospichalii* Zahn subsp. ***camunorum*** Gottschl.
E *Hieracium pospichalii* Zahn subsp. ***pospichalii***
E *Hieracium pratorum-tivi* Gottschl.
Hieracium predilense (Nägeli & Peter) Zahn subsp. ***predilense***
Hieracium predilense (Nägeli & Peter) Zahn subsp. ***pseuderiopodium*** Zahn
Hieracium prenanthoides Vill. subsp. ***bupleurifolioides*** Zahn
Hieracium prenanthoides Vill. subsp. ***bupleurifolium*** (Tausch) Zahn
Hieracium prenanthoides Vill. subsp. ***cinereiceps*** (Zahn) Zahn
E *Hieracium prenanthoides* Vill. subsp. ***constrictum*** (Arv.-Touv.) Zahn
E *Hieracium prenanthoides* Vill. subsp. ***costae*** Zahn ex Gottschl.
Hieracium prenanthoides Vill. subsp. ***cynanchoides*** (Arv.-Touv. & Gaut.) Zahn
Hieracium prenanthoides Vill. subsp. ***jaquetianum*** (Zahn) Zahn
Hieracium prenanthoides Vill. subsp. ***juvonis*** (Murr) Zahn
E *Hieracium prenanthoides* Vill. subsp. ***lanceolatum*** (Vill.) Zahn
E *Hieracium prenanthoides* Vill. subsp. ***lissocorium*** Furrer & Zahn
Hieracium prenanthoides Vill. subsp. ***perfoliatum*** (Froel.) Fr.
Hieracium prenanthoides Vill. subsp. ***praeruptorum*** Nyman
Hieracium prenanthoides Vill. subsp. ***prenanthoides***
E *Hieracium prenanthoides* Vill. subsp. ***strictissimum*** (Froel.) Zahn
E *Hieracium prenanthoides* Vill. subsp. ***stuposifolium*** Gottschl.
Hieracium prenanthoides Vill. subsp. ***subelatifolium*** Zahn
Hieracium prenanthoides Vill. subsp. ***transalpinum*** (Arv.-Touv.) Zahn
E *Hieracium prenanthoides* Vill. subsp. ***valdegriseum*** Zahn
E *Hieracium profetanum* Belli
Hieracium pseudalpinum (Nägeli & Peter) Prain subsp. ***cochlearioides*** Greuter
E *Hieracium pseudalpinum* (Nägeli & Peter) Prain subsp. ***pseudalpinum***
E *Hieracium pseudalpinum* (Nägeli & Peter) Prain subsp. ***pseudoschraderi*** (Dalla Torre & Sarth.) Greuter
E *Hieracium pseudalpinum* (Nägeli & Peter) Prain subsp. ***tissierei*** (Zahn) Greuter
E *Hieracium pseudaustrale* Gottschl.
Hieracium pseudocerinthae (Gaudin) W.D.J.Koch subsp. ***pseudocerinthae***
Hieracium pseudocorymbosum Gremli
E *Hieracium pseudofritzei* Benz & Zahn
E *Hieracium pseudogrovesianum* Gottschl. subsp. ***amictum*** Gottschl.
E *Hieracium pseudogrovesianum* Gottschl. subsp. ***circinans*** Gottschl.
E *Hieracium pseudogrovesianum* Gottschl. subsp. ***leonense*** Gottschl.
E *Hieracium pseudogrovesianum* Gottschl. subsp. ***opertum*** Gottschl.
E *Hieracium pseudogrovesianum* Gottschl. subsp. ***pseudogrovesianum***
E *Hieracium pseudopallidum* Gottschl.
Hieracium pseudoprasinops Zahn subsp. ***pseudoprasinops***
E *Hieracium pseudorionii* (Zahn) Prain subsp. ***pictiforme*** (Zahn) Greuter
E *Hieracium pseudostenoplectum* Zahn subsp. ***ochroleuciforme*** Murr & Zahn
E *Hieracium pseudostenoplectum* Zahn subsp. ***pseudostenoplectum***
E *Hieracium pteropogon* Arv.-Touv. subsp. ***pogonites*** (Nägeli & Peter) Zahn

- Hieracium pteropogon* Arv.-Touv. subsp. **pteropogon**
E *Hieracium pujattii* Gottschl.
E *Hieracium pulchellum* Gren. ex Griseb. subsp. **pleioscapum** Zahn
E *Hieracium pulchellum* Gren. ex Griseb. subsp. **pulchellum**
E *Hieracium racemosiforme* (Zahn) Zahn
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **alismatifolium** (Posp.) Zahn
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **apenninum** (Levier ex Huter) Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **barbatum** (Tausch ex Froel.) Zahn
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **caramanicum** (Zahn) Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **crinitum** (Sm.) Rouy
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **heterospermum** (Arv.-Touv.) Zahn
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **italicum** Fr. ex Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **leiopsis** Murr & Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **limbarae** (Arrigoni) Greuter
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **moesiacum** A.Kern. ex Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **oliastrae** (Arrigoni) Greuter
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **pignattianum** (Raimondo & Di Grist.) Greuter
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **provinciale** (Jord.) Rouy
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **pulmonariifolium** Gottschl.
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **racemosum**
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **restonicanum** Zahn
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **stiriacum** (A.Kern. ex Willk.) Zahn
Hieracium racemosum Waldst. & Kit. ex Willd. subsp. **subhirsutum** (Jord. ex Boreau) Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **sublateriflorum** Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **substramineum** Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **tenuifolium** (Host) Zahn
E *Hieracium racemosum* Waldst. & Kit. ex Willd. subsp. **virgaurea** (Coss.) Zahn
E *Hieracium ragognae* Gottschl.
Hieracium ramosissimum Schleich. ex Hegetschw. subsp. **adenoclinum** (Arv.-Touv.) Zahn
E *Hieracium ramosissimum* Schleich. ex Hegetschw. subsp. **conringiifolium** (Arv.-Touv.) Zahn
E *Hieracium ramosissimum* Schleich. ex Hegetschw. subsp. **cryptadenophyllum** Zahn
E *Hieracium ramosissimum* Schleich. ex Hegetschw. subsp. **garibaldianum** (Fr.) Zahn
E *Hieracium ramosissimum* Schleich. ex Hegetschw. subsp. **lactucifolium** (Arv.-Touv.) Rouy
E *Hieracium ramosissimum* Schleich. ex Hegetschw. subsp. **ramosissimum**
E *Hieracium ramosissimum* Schleich. ex Hegetschw. subsp. **scariolaceum** (Arv.-Touv.) Zahn
E *Hieracium rapunculoides* Arv.-Touv. subsp. **contractum** (Arv.-Touv.) Zahn
E *Hieracium rapunculoides* Arv.-Touv. subsp. **rapunculoides**
E *Hieracium rapunculoides* Arv.-Touv. subsp. **tridentatiflorum** Zahn
E *Hieracium rohacsense* Kit. subsp. **bifidellum** (Zahn) Zahn
E *Hieracium rohacsense* Kit. subsp. **furculaceum** Zahn
E *Hieracium rohacsense* Kit. subsp. **pseudarolae** (Zahn) Zahn
E *Hieracium rohacsense* Kit. subsp. **rauzense** (Murr) Gottschl.
E *Hieracium rohacsense* Kit. subsp. **semiatratum** (Zahn) Zahn
E *Hieracium rohacsense* Kit. subsp. **subsenile** (Zahn) Zahn
E *Hieracium rostanii* Nägeli & Peter subsp. **bedolense** Zahn
E *Hieracium rostanii* Nägeli & Peter subsp. **centroalpinum** Gottschl. & Brandst.
E *Hieracium rottii* Gottschl.
E *Hieracium rupestre* All.
E *Hieracium rupicola* Jord.
E *Hieracium rupicoliforme* Zahn subsp. **curunense** Gottschl.
E *Hieracium sabaudum* L. subsp. **concinnum** (Jord.) Zahn
E *Hieracium sabaudum* L. subsp. **cumuliflorum** (Zahn) Gottschl.
E *Hieracium sabaudum* L. subsp. **curvidens** (Jord.) Zahn
E *Hieracium sabaudum* L. subsp. **dumosum** (Jord.) Zahn
E *Hieracium sabaudum* L. subsp. **eminens** (Jord. ex Sudre) Zahn
E *Hieracium sabaudum* L. subsp. **fruticetorum** (Jord. ex Boreau) Zahn
E *Hieracium sabaudum* L. subsp. **grandidentatum** (Jord. ex Boreau) Zahn
E *Hieracium sabaudum* L. subsp. **nemorivagum** (Jord. ex Boreau) Zahn
E *Hieracium sabaudum* L. subsp. **obliquum** (Jord.) Zahn
E *Hieracium sabaudum* L. subsp. **occitanicum** (Jord.) Zahn
E *Hieracium sabaudum* L. subsp. **propinquum** (Sudre) Greuter
E *Hieracium sabaudum* L. subsp. **quercetorum** (Jord. ex Boreau) Zahn
E *Hieracium sabaudum* L. subsp. **rigens** (Jord.) Zahn
E *Hieracium sabaudum* L. subsp. **rigidicaule** (Jord. ex Sudre) Zahn
E *Hieracium sabaudum* L. subsp. **roffavieri** (Jord. ex Sudre) Zahn
E *Hieracium sabaudum* L. subsp. **sabaudiforme** Zahn
E *Hieracium sabaudum* L. subsp. **sabaudum**
E *Hieracium sabaudum* L. subsp. **salicetorum** (Sudre) Zahn
E *Hieracium sabaudum* L. subsp. **scabiosum** (Sudre) Zahn
E *Hieracium sabaudum* L. subsp. **sedunense** Gremlin ex Zahn
E *Hieracium sabaudum* L. subsp. **sublactucaceum** Zahn
E *Hieracium sabaudum* L. subsp. **vagum** (Jord.) Zahn
E *Hieracium sabaudum* L. subsp. **virescens** (Sond.) Zahn
E *Hieracium sabaudum* L. subsp. **virgultorum** (Jord.) Zahn
E *Hieracium saxatile* Jacq. subsp. **saxatile**
E *Hieracium saxifragum* Fr. subsp. **sempronianum** (Favrat) Zahn
E *Hieracium saxifragum* Fr. subsp. **vulpis** Zahn
E *Hieracium schmidtii* Tausch subsp. **brunelliforme** (Arv.-Touv.) O.Bolòs & Vigo

- E *Hieracium schmidtii* Tausch subsp. ***catriae*** Gottschl.
Hieracium schmidtii Tausch subsp. ***ceratodon*** (Arv.-Touv.) O. Bolòs & Vigo
- E *Hieracium schmidtii* Tausch subsp. ***cochleariforme*** Gottschl.
- E *Hieracium schmidtii* Tausch subsp. ***comatulum*** (Jord. ex Boreau) O. Bolòs & Vigo
- E *Hieracium schmidtii* Tausch subsp. ***comosulum*** (Arv.-Touv. & Gaut.) O. Bolòs & Vigo
- E *Hieracium schmidtii* Tausch subsp. ***crinitisquamum*** Gottschl.
Hieracium schmidtii Tausch subsp. ***cyaneum*** (Arv.-Touv.) Zahn
Hieracium schmidtii Tausch subsp. ***didymum*** Zahn
Hieracium schmidtii Tausch subsp. ***glaucopallens*** (Zahn) O. Bolòs & Vigo
Hieracium schmidtii Tausch subsp. ***lasiophyllum*** (W.D.J.Koch) O. Bolòs & Vigo
- E *Hieracium schmidtii* Tausch subsp. ***madoniense*** (Raimondo & Di Grist.) Greuter
- E *Hieracium schmidtii* Tausch subsp. ***marchettii*** Gottschl.
- E *Hieracium schmidtii* Tausch subsp. ***nebrodense*** (Tineo ex Lojac.) Di Grist., Gottschl. & Raimondo
Hieracium schmidtii Tausch subsp. ***rupicola*** Fr. ex Zahn
Hieracium schmidtii Tausch subsp. ***schmidtii***
Hieracium schmidtii Tausch subsp. ***schmidtiiforme*** (Zahn) O. Bolòs & Vigo
Hieracium schmidtii Tausch subsp. ***subcomatulum*** (Zahn) O. Bolòs & Vigo
Hieracium schmidtii Tausch subsp. ***subrupicola*** Zahn
- E *Hieracium scorzonerifolium* Vill. subsp. ***antelaonis*** Pamp. & Zahn
- E *Hieracium scorzonerifolium* Vill. subsp. ***divaricatum*** Huter, Porta & Rigo ex Nägeli & Peter
Hieracium scorzonerifolium Vill. subsp. ***flexuosum*** Waldst. & Kit. ex Nägeli & Peter
Hieracium scorzonerifolium Vill. subsp. ***heterocephalum*** Nägeli & Peter
Hieracium scorzonerifolium Vill. subsp. ***lonchophylloides*** Zahn ex Dalla Torre & Sarnth.
Hieracium scorzonerifolium Vill. subsp. ***myocomum*** Nägeli & Peter
- E *Hieracium scorzonerifolium* Vill. subsp. ***nudissimum*** Gottschl.
Hieracium scorzonerifolium Vill. subsp. ***pantotrichum*** Nägeli & Peter
Hieracium scorzonerifolium Vill. subsp. ***polybracteum*** Nägeli & Peter
Hieracium scorzonerifolium Vill. subsp. ***scorzonerifolium***
Hieracium scorzonerifolium Vill. subsp. ***speciosiforme*** Nägeli & Peter
- E *Hieracium segureum* Arv.-Touv. subsp. ***cirritiforme*** Zahn
- E *Hieracium segureum* Arv.-Touv. subsp. ***exilentoides*** Zahn
- E *Hieracium segureum* Arv.-Touv. subsp. ***rivifrigidi*** Zahn
Hieracium segureum Arv.-Touv. subsp. ***salassorum*** (Besse) Zahn
- E *Hieracium segusianum* Gottschl.
- E *Hieracium semicanescens* Gottschl.
- E *Hieracium semipallescens* Gottschl.
- E *Hieracium serratum* Nägeli & Peter subsp. ***serratum***
- E *Hieracium silsinum* Nägeli & Peter subsp. ***subsilsinum*** (Zahn) Zahn
- E *Hieracium simbruicum* Gottschl.
Hieracium simia (Huter ex Zahn) Zahn subsp. ***simia***
Hieracium simia (Huter ex Zahn) Zahn subsp. ***subincertum*** Zahn
- E *Hieracium sparsiramum* Nägeli & Peter subsp. ***ampezzanum*** (Nägeli & Peter) Gottschl.
- E *Hieracium sparsivestitum* Gottschl.
Hieracium sparsum Friv. subsp. ***vierhapperi*** Zahn
Hieracium speciosum Willd. ex Hornem.
Hieracium spectabile Fr. ex Arv.-Touv.
- E *Hieracium squarrosufurcatum* Gottschl.
- E *Hieracium stauii* Belli
Hieracium stenoplectum Arv.-Touv. & Huter subsp. ***stenoplectum***
Hieracium sterzingense Zahn
- E *Hieracium strafforelloanum* Zahn
Hieracium subcaesiiforme (Zahn) Prain subsp. ***subcaesiiforme***
Hieracium subpamphilei Zahn
Hieracium substellatum Arv.-Touv. & Gaut.
Hieracium subtilissimum Zahn subsp. ***subtilissimum***
Hieracium subtomentosum (Burnat & Gremli) Zahn
Hieracium symphytaceum Arv.-Touv. subsp. ***elocatum*** (Huter ex Gottschl.) Gottschl.
Hieracium symphytaceum Arv.-Touv. subsp. ***neoprenanthes*** (Arv.-Touv.) Zahn
- E *Hieracium symphytaceum* Arv.-Touv. subsp. ***odontinum*** (Arv.-Touv. ex Belli) Zahn
Hieracium symphytaceum Arv.-Touv. subsp. ***pseudoleiopsis*** (Murr) Gottschl. & Brandst.
Hieracium symphytaceum Arv.-Touv. subsp. ***rotgesianum*** (Arv.-Touv. & Gaut.) Zahn
- E *Hieracium symphytaceum* Arv.-Touv. subsp. ***sarracenicum*** (Arv.-Touv. & Belli) Zahn
Hieracium symphytaceum Arv.-Touv. subsp. ***symphytaceum***
- E *Hieracium symphytifolium* Froel.
Hieracium taurinense Jord. subsp. ***taurinense***
- E *Hieracium taurinense* Jord. subsp. ***taurinorum*** (Zahn) Zahn
Hieracium tenuiflorum Arv.-Touv. subsp. ***austrosilvularum*** (P.Rossi & Zahn) Gottschl.
Hieracium tenuiflorum Arv.-Touv. subsp. ***glaucoviolascens*** (Bornm. & Zahn) Gottschl.
- E *Hieracium tenuiflorum* Arv.-Touv. subsp. ***pictoprasinum*** (Fen. & Zahn) Gottschl.
Hieracium tenuiflorum Arv.-Touv. subsp. ***pseudomerianum*** (P.Rossi & Zahn) Gottschl.
- E *Hieracium tenuiflorum* Arv.-Touv. subsp. ***sebini*** (Fen. & Zahn) Gottschl.
Hieracium tenuiflorum Arv.-Touv. subsp. ***tenuiflorum***
Hieracium tephrodermum Zahn subsp. ***subexpansum*** (Zahn) Zahn
- E *Hieracium tephropogon* Zahn subsp. ***gortanianum*** (Arv.-Touv. & Belli) Gottschl.
Hieracium tephropogon Zahn subsp. ***subintermedium*** Zahn
Hieracium tephropogon Zahn subsp. ***tephropogon***
Hieracium tephrosoma (Nägeli & Peter) Zahn subsp. ***brachypogon*** (Zahn) Zahn
Hieracium tephrosoma (Nägeli & Peter) Zahn subsp. ***kuekenthalianum*** (Zahn) Zahn

- Hieracium tephrosoma* (Nägeli & Peter) Zahn subsp. **tephrosoma**
Hieracium tephrosoma (Nägeli & Peter) Zahn subsp. **trichothecum** (Zahn ex Dalla Torre & Sarnth.) Zahn
Hieracium tephrosoma (Nägeli & Peter) Zahn subsp. **trivialisforme** Zahn
E *Hieracium terraccianoii* Di Grist., Gottschl. & Raimondo
E *Hieracium thesauranum* Gottschl.
E *Hieracium thesioides* Gottschl.
E *Hieracium tolstoii* Fen. & Zahn
Hieracium tomentosum L. subsp. **andryaloides** (Vill.) Nägeli & Peter
Hieracium tomentosum L. subsp. **gnaphalodes** (Arv.-Touv.) Greuter
Hieracium tomentosum L. subsp. **liotardii** (Vill.) Zahn
Hieracium tomentosum L. subsp. **phlomidifolium** (Arv.-Touv.) Nägeli & Peter
Hieracium tomentosum L. subsp. **tomentosum**
E *Hieracium tonalense* Gottschl.
E *Hieracium torrigliense* Gottschl.
E *Hieracium toscoemilianum* Gottschl.
Hieracium toutonianum (Zahn) Zahn
E *Hieracium truttiae* Gottschl.
Hieracium umbellatum L. subsp. **brevifolioides** Zahn
Hieracium umbellatum L. subsp. **umbellatum**
E *Hieracium umbrosoides* Gottschl.
Hieracium umbrosum Jord. subsp. **abietinum** (Boiss. & Heldr.) Greuter
Hieracium umbrosum Jord. subsp. **acrotephrophorum** (Zahn) Zahn
Hieracium umbrosum Jord. subsp. **crepidifolium** (Arv.-Touv.) Zahn
E *Hieracium umbrosum* Jord. subsp. **mindinoicum** Zahn
E *Hieracium umbrosum* Jord. subsp. **oleicolor** (Zahn) Greuter
Hieracium umbrosum Jord. subsp. **pseudofastigiatum** (Degen & Zahn) Zahn
Hieracium umbrosum Jord. subsp. **subexilentum** Zahn
Hieracium umbrosum Jord. subsp. **umbrosum**
E *Hieracium umbrosum* Jord. subsp. **vippetinum** (Huter) Zahn
E *Hieracium umbrosum* Jord. subsp. **visailense** Paléz. & Zahn
Hieracium urticaceum Arv.-Touv. & Ravaud subsp. **amplexicauliforme** Zahn
Hieracium urticaceum Arv.-Touv. & Ravaud subsp. **urticaceum**
Hieracium valdepilosum Vill. subsp. **calvulum** (Nägeli & Peter) Zahn
Hieracium valdepilosum Vill. subsp. **christeneri** (Nägeli & Peter) Zahn
Hieracium valdepilosum Vill. subsp. **elongatum** Willd. ex Zahn
Hieracium valdepilosum Vill. subsp. **interjectum** (Beck) Zahn
Hieracium valdepilosum Vill. subsp. **oligophyllum** (Nägeli & Peter) Zahn
Hieracium valdepilosum Vill. subsp. **pseudelongatum** (Nägeli & Peter) Zahn
Hieracium valdepilosum Vill. subsp. **raphiolepium** (Nägeli & Peter) Zahn
Hieracium valdepilosum Vill. subsp. **subalpinum** (Nägeli & Peter) Greuter
Hieracium valdepilosum Vill. subsp. **subsinuatum** (Nägeli & Peter) Zahn
Hieracium valdepilosum Vill. subsp. **valdepilosum**
E *Hieracium valoddae* (Zahn) Prain subsp. **austroritalicum** (Zahn) Zahn
Hieracium valoddae (Zahn) Prain subsp. **knautiifolium** (Arv.-Touv.) Gottschl.
Hieracium valoddae (Zahn) Prain subsp. **raccolanae** (Zahn) Zahn
E *Hieracium vasconicum* Martrin-Donos subsp. **dolosum** (Burnat & Gremli) Greuter
Hieracium vasconicum Martrin-Donos subsp. **laureolum** (Arv.-Touv.) Greuter
Hieracium vasconicum Martrin-Donos subsp. **vasconicum**
E *Hieracium venostorum* (Zahn) Gottschl.
E *Hieracium venticaesum* Gottschl.
E *Hieracium verbascifolium* Vill. subsp. **capreifolium** (Nägeli & Peter) Zahn
E *Hieracium verbascifolium* Vill. subsp. **linguiforme** (Nägeli & Peter) Zahn
Hieracium verbascifolium Vill. subsp. **mallobrachion** Zahn
E *Hieracium verbascifolium* Vill. subsp. **mallophorum** (Nägeli & Peter) Zahn
Hieracium verbascifolium Vill. subsp. **melandrifolium** (Arv.-Touv.) Zahn
Hieracium verbascifolium Vill. subsp. **menthifolium** (Arv.-Touv.) Zahn
Hieracium verbascifolium Vill. subsp. **thapsoides** (Arv.-Touv.) Zahn
Hieracium verbascifolium Vill. subsp. **verbascifolium**
Hieracium vetteri Ronniger
Hieracium villosum Jacq. subsp. **albolanatum** Nägeli & Peter
Hieracium villosum Jacq. subsp. **calvifolium** Nägeli & Peter
E *Hieracium villosum* Jacq. subsp. **doratophyllum** Nägeli & Peter
Hieracium villosum Jacq. subsp. **eurybasis** Nägeli & Peter
Hieracium villosum Jacq. subsp. **glaucofrons** Nägeli & Peter
Hieracium villosum Jacq. subsp. **heterophyllum** Nägeli & Peter
Hieracium villosum Jacq. subsp. **ovalifolium** Nägeli & Peter
Hieracium villosum Jacq. subsp. **undulifolium** Nägeli & Peter
Hieracium villosum Jacq. subsp. **villosissimum** (Nägeli) Nägeli & Peter
Hieracium villosum Jacq. subsp. **villosum**
Hieracium viride Arv.-Touv. subsp. **caerulaceum** (Arv.-Touv.) Zahn
Hieracium viride Arv.-Touv. subsp. **intricatum** (Arv.-Touv.) Zahn
E *Hieracium viride* Arv.-Touv. subsp. **pennincola** (Besse & Zahn) Zahn
Hieracium viride Arv.-Touv. subsp. **viride**
E *Hieracium viscosum* Arv.-Touv. subsp. **lactuoides** Zahn
E *Hieracium viscosum* Arv.-Touv. subsp. **viscosiforme** Zahn
Hieracium viscosum Arv.-Touv. subsp. **viscosum**
E *Hieracium volaiense* Gottschl.
Hieracium vollmannii Zahn subsp. **grimsulicola** Zahn

- Hieracium vollmannii* Zahn subsp. **vollmannii**
Hieracium wilczekianum Arv.-Touv. subsp. **bagnense** (Zahn) Zahn
Hieracium wilczekianum Arv.-Touv. subsp. **matajurense** (Zahn) Zahn
E *Hieracium wilczekianum* Arv.-Touv. subsp. **trigonolepium** Zahn
Homogyne alpina (L.) Cass.
Homogyne discolor (Jacq.) Cass.
Homogyne sylvestris Cass.
Hyoseris lucida L. subsp. **taurina** (Martinoli) Peruzzi & Vangelisti
Hyoseris radiata L.
Hyoseris scabra L.
Hypochaeris achyrophorus L.
Hypochaeris cretensis (L.) Bory & Chaub.
E *Hypochaeris facchiniana* Ambrosi
Hypochaeris glabra L.
Hypochaeris laevigata (L.) Ces., Pass. & Gibelli
Hypochaeris maculata L.
Hypochaeris radicata L.
ET *Hypochaeris sardoa* Bacch., Brullo & Terrasi
Hypochaeris uniflora Vill.
Inula bifrons L.
Inula britannica L. subsp. **britannica**
Inula conyzae (Griess.) DC.
Inula ensifolia L.
Inula helenium L. subsp. **helenium**
Inula helvetica Weber
Inula hirta L.
Inula montana L.
Inula salicina L.
Inula spiraeifolia L.
Inula verbascifolia (Willd.) Hausskn.
Jacobaea abrotanifolia (L.) Moench subsp. **abrotanifolia**
Jacobaea abrotanifolia (L.) Moench subsp. **tirolensis** (A.Kern. ex Dalla Torre) B.Nord. & Greuter
Jacobaea alpina (L.) Moench subsp. **alpina**
E *Jacobaea alpina* (L.) Moench subsp. **samnitum** (Nyman) Peruzzi
E *Jacobaea ambigua* (Biv.) Pelsler & Veldkamp subsp. **ambigua**
E *Jacobaea ambigua* (Biv.) Pelsler & Veldkamp subsp. **nebrodensis** (Guss.) Peruzzi & N.G.Passal. & C.E.Jarvis
Jacobaea aquatica (Hill) G.Gaertn., B.Mey. & Scherb.
Jacobaea carniolica (Willd.) Schrank
Jacobaea delphiniifolia (Vahl) Pelsler & Veldkamp
Jacobaea disjuncta (Flatscher, Schneew. & Schönsw.) Galasso & Bartolucci
Jacobaea erratica (Bertol.) Fourr.
Jacobaea erucifolia (L.) G.Gaertn., B.Mey. & Scherb. subsp. **erucifolia**
Jacobaea erucifolia (L.) G.Gaertn., B.Mey. & Scherb. subsp. **praealta** (Bertol.) Greuter & B.Nord.
Jacobaea erucifolia (L.) G.Gaertn., B.Mey. & Scherb. subsp. **tenuifolia** (J.Presl & C.Presl) B.Nord. & Greuter
Jacobaea incana (L.) Veldkamp
Jacobaea insubrica (Chenevard) Galasso & Bartolucci
E *Jacobaea lycopifolia* (Desf. ex Poir.) Greuter & B.Nord.
E *Jacobaea maritima* (L.) Pelsler & Meijden subsp. **bicolor** (Willd.) B.Nord. & Greuter
E *Jacobaea maritima* (L.) Pelsler & Meijden subsp. **gibbosa** (Guss.) Peruzzi & N.G.Passal. & C.E.Jarvis
Jacobaea maritima (L.) Pelsler & Meijden subsp. **maritima**
Jacobaea maritima (L.) Pelsler & Meijden subsp. **sicula** N.G.Passal., Peruzzi & Pellegrino
Jacobaea paludosa (L.) G.Gaertn., B.Mey. & Scherb. subsp. **paludosa**
Jacobaea persoonii (De Not.) Pelsler
Jacobaea uniflora (All.) Veldkamp
Jacobaea vulgaris Gaertn. subsp. **gotlandica** (Neuman) B.Nord. – Note: For the Italian distribution of this taxon, see Conti et al. (2012).
Jacobaea vulgaris Gaertn. subsp. **vulgaris**
E *Jurinea bocconeii* (Guss.) Guss.
Jurinea mollis (L.) Rchb. subsp. **mollis**
E *Klasea flavescens* (L.) Holub subsp. **cichoracea** (L.) Greuter & Wagenitz
Klasea flavescens (L.) Holub subsp. **mucronata** (Desf.) Cantó & Rivas Mart.
Klasea lycopifolia (Vill.) Á.Löve & D.Löve
Klasea nudicaulis (L.) Fourr.
Klasea radiata (Waldst. & Kit.) Á.Löve & D.Löve subsp. **radiata**
E *Lactuca longidentata* Moris
Lactuca perennis L.
Lactuca quercina L. subsp. **quercina**
Lactuca saligna L.
Lactuca sativa L. subsp. **serriola** (L.) Galasso, Banfi, Bartolucci & Ardenghi
Lactuca tenerrima Pourr.
T *Lactuca viminea* (L.) J.Presl & C.Presl subsp. **chondrilliflora** (Boreau) St.-Lag.
T *Lactuca viminea* (L.) J.Presl & C.Presl subsp. **ramosissima** (All.) Arcang.
Lactuca viminea (L.) J.Presl & C.Presl subsp. **viminea**
Lactuca virosa L.
E *Lamyropsis microcephala* (Moris) Dittrich & Greuter
Lapsana communis L. subsp. **communis**
Launaea fragilis (Asso) Pau
Launaea nudicaulis (L.) Hook.f. – Note : Possibly extinct in Italy.
E *Leontodon anomalus* Ball

- E *Leontodon apulus* (Fiori) Brullo
Leontodon berinii (Bartl.) Roth
Leontodon crispus Vill.
Leontodon hispidus L. subsp. **dubius** (Hoppe) Pawłowska
Leontodon hispidus L. subsp. **hispidus**
Leontodon hispidus L. subsp. **hyoseroides** (Welw. ex Rchb.) Murr
Leontodon incanus (L.) Schrank
- E *Leontodon intermedius* (Fiori) Huter, Porta & Rigo ex Rigo
Leontodon rosanoi (Ten.) DC.
Leontodon saxatilis Lam. subsp. **rothii** Maire
Leontodon saxatilis Lam. subsp. **saxatilis**
- E *Leontodon siculus* (Guss.) Nyman
Leontodon tenuiflorus (Gaudin) Rchb.
Leontodon tuberosus L.
Leontopodium alpinum Cass.
Leontopodium nivale (Ten.) Hand.-Mazz.
Leucanthemopsis alpina (L.) Heywood subsp. **alpina**
Leucanthemopsis alpina (L.) Heywood subsp. **minima** (Vill.) Holub
Leucanthemum adustum (W.D.J.Koch) Gremlı subsp. **adustum**
Leucanthemum coronopifolium Vill. subsp. **ceratophylloides** (All.) Vogt & Greuter
Leucanthemum coronopifolium Vill. subsp. **coronopifolium**
- E *Leucanthemum coronopifolium* Vill. subsp. **tenuifolium** (Guss.) Vogt & Greuter
Leucanthemum gaudinii Dalla Torre
Leucanthemum heterophyllum (Willd.) DC.
- T *Leucanthemum ircutianum* DC. subsp. **asperulum** (N.Terracc.) Vogt & Greuter
Leucanthemum ircutianum DC. subsp. **ircutianum**
- T *Leucanthemum ircutianum* DC. subsp. **leucolepis** (Briq. & Cavill.) Vogt & Greuter
- E *Leucanthemum laciniatum* Huter, Porta & Rigo
- E *Leucanthemum ligusticum* Marchetti, R.Bernardello, Melai & Peruzzi – Note: The records of *L. legraeum* (Rouy) B.Bock & J.-M.Tison from LIG and EMR should be referred to *L. xaramisii* Florian Wagner, Vogt & Oberpr. [*L. ligusticum* × *L. vulgare*] (Wagner et al. 2017).
- T *Leucanthemum pachyphyllum* Marchi & Illuminati
Leucanthemum pallens (J.Gay ex Perreym.) DC.
Leucanthemum platylepis Borbás
Leucanthemum subglaucum De Laramb.
- E *Leucanthemum tridactylites* (A.Kern. & Huter ex Porta & Rigo) Huter, Porta & Rigo
Leucanthemum virgatum (Desr.) Clos
Leucanthemum vulgare (Vaill.) Lam. subsp. **vulgare**
Limbarda crithmoides (L.) Dumort. subsp. **longifolia** (Arcang.) Greuter
Logfia gallica (L.) Cosson & Germ.
Logfia heterantha (Raf.) J.Holub
Logfia lojaconoi (Brullo) C.Brullo & Brullo
Logfia minima (Sm.) Dumort.
Lonas annua (L.) Vines & Druce
Mantisalca duriaei (Spach) Briq. & Cavill.
Mantisalca salmantica (L.) Briq. & Cavill.
Matricaria aurea (Loefl.) Sch.Bip.
Matricaria chamomilla L.
Mycelis muralis (L.) Dumort. subsp. **muralis**
- E *Nananthea perpusilla* (Loisel.) DC.
Notobasis syriaca (L.) Cass.
Omalotheca diminuta (Braun-Blanq.) Bartolucci & Galasso
Omalotheca hoppeana (W.D.J.Koch) Sch.Bip. & F.W.Schultz
Omalotheca norvegica (Gunnerus) Sch.Bip. & F.W.Schultz
Omalotheca supina (L.) DC.
Omalotheca sylvatica (L.) Sch.Bip. & F.W.Schultz
Onopordum acanthium L. subsp. **acanthium**
Onopordum horridum Viv.
Onopordum illyricum L. subsp. **cardunculus** (Boiss.) Arènes
Onopordum illyricum L. subsp. **illyricum**
Onopordum macracanthum Schousb.
Onopordum tauricum Willd.
Pallenis maritima (L.) Greuter
Pallenis spinosa (L.) Cass. subsp. **spinosa**
Petasites albus (L.) Gaertn.
Petasites hybridus (L.) G.Gaertn., B.Mey. & Scherb. subsp. **hybridus**
Petasites paradoxus (Retz.) Baumg.
Petasites pyrenaicus (L.) G.López
Phagnalon rupestre (L.) DC. subsp. **illyricum** (H.Lindb.) Ginzb.
- E *Phagnalon rupestre* (L.) DC. subsp. **morisianum** (Ces., Pass. & Gibelli) Arcang.
Phagnalon rupestre (L.) DC. subsp. **rupestre**
Phagnalon saxatile (L.) Cass.
Phagnalon sordidum (L.) Rchb.
Picnomon acarna (L.) Cass.
Picris hieracioides L. subsp. **hieracioides**
Picris hieracioides L. subsp. **umbellata** (Schrank) Ces.
Picris hispidissima (Bartl.) W.D.J.Koch
- E *Picris scaberrima* Guss. – Note: For the taxonomy and distribution of this species, see Astuti et al. (2015).

- Pilosella acutifolia* (Vill.) Arv.-Touv.
Pilosella aletschensis (Zahn) Soják
Pilosella alpicola (Schleich. ex Steud. & Hochst.) F.W.Schultz & Sch.Bip.
Pilosella amphipolia (Nägeli & Peter) Gottschl.
Pilosella anchusoides Arv.-Touv.
Pilosella anobrachia (Arv.-Touv. & Gaut.) S.Bräut. & Greuter
Pilosella arida (Frey) Soják
Pilosella arnoserioides (Nägeli & Peter) Soják
Pilosella aurantella (Nägeli & Peter) Soják
Pilosella aurantiaca (L.) F.W.Schultz & Sch.Bip. subsp. **aurantiaca**
Pilosella aurantiaca (L.) F.W.Schultz & Sch.Bip. subsp. **auropurpurea** (Peter) Soják
Pilosella aurantiaca (L.) F.W.Schultz & Sch.Bip. subsp. **decolorans** (Fr.) T.Tyler
Pilosella auriculiformis (Fr.) F.W.Schultz & Sch.Bip.
Pilosella basifurca (Peter) Soják
Pilosella bauhini (Schult.) Arv.-Touv. subsp. **magyarica** (Peter) S.Bräut.
Pilosella blyttiana (Fr.) F.W.Schultz & Sch.Bip.
Pilosella brachycoma (Nägeli & Peter) H.P.Fuchs
Pilosella caespitosa (Dumort.) P.D.Sell & C.West
E *Pilosella calabra* (Nägeli & Peter) Soják
E *Pilosella calodon* (Tausch ex Peter) Soják
Pilosella cepitina (Gottschl.) Gottschl.
E *Pilosella cinerosiformis* (Nägeli & Peter) Gottschl.
Pilosella corvigena (Gottschl.) Gottschl.
Pilosella corymbuloides (Arv.-Touv.) S.Bräut. & Greuter
Pilosella cymiflora (Nägeli & Peter) S.Bräut. & Greuter
Pilosella cymosa (L.) F.W.Schultz & Sch.Bip. subsp. **cymosa**
Pilosella cymosa (L.) F.W.Schultz & Sch.Bip. subsp. **sabina** (Sebast.) H.P.Fuchs
Pilosella cymosa (L.) F.W.Schultz & Sch.Bip. subsp. **vallantii** (Tausch) S. Bräut. & Greuter
Pilosella densiflora (Tausch) Soják
Pilosella fainensis Soest ex Gottschl.
Pilosella fallacina (F.W.Schultz) F.W.Schultz
Pilosella faurei Arv.-Touv.
Pilosella frigidaria (Nägeli & Peter) Soják
Pilosella fulviseta (Bertol.) Soják
Pilosella fusca (Vill.) Arv.-Touv.
Pilosella glacialis (Reyn. ex Lachen.) F.W.Schultz & Sch.Bip.
Pilosella glaciella (Nägeli & Peter) Soják
Pilosella guthnikiana (Hegetschw.) Soják
Pilosella hoppeana (Schult.) F.W.Schultz & Sch.Bip. subsp. **hoppeana**
E *Pilosella hoppeana* (Schult.) F.W.Schultz & Sch.Bip. subsp. **macrantha** (Ten.) S.Bräut. & Greuter
E *Pilosella hoppeana* (Schult.) F.W.Schultz & Sch.Bip. subsp. **sicula** Di Grist., Gottschl. & Raimondo
Pilosella huberi (Zahn) Gottschl.
Pilosella hybrida (Chaix) F.W.Schultz & Sch.Bip.
Pilosella hypeurya (Peter) Soják
Pilosella hypoleuca Arv.-Touv.
E *Pilosella kalksburgensis* (Wiesb.) Soják
Pilosella kralikii (Rouy) J.-M.Tison
Pilosella lactucella (Wallr.) P.D.Sell & C.West subsp. **lactucella**
Pilosella lactucella (Wallr.) P.D.Sell & C.West subsp. **nana** (Scheele) M.Laínz
E *Pilosella laggeri* (Sch.Bip. ex Rchb.f.) F.W.Schultz & Sch.Bip.
E *Pilosella lathraea* (Peter) Soják
Pilosella leptophyton (Nägeli & Peter) S.Bräut. & Greuter
Pilosella leucopsilon (Arv.-Touv.) Gottschl.
Pilosella litardiereana (Zahn) Soják
E *Pilosella longisquama* (Peter) Holub
E *Pilosella macranthiformis* (Zahn) S.Bräut. & Greuter
E *Pilosella macristolona* (Nägeli & Peter) Gottschl.
E *Pilosella medioposita* (Gottschl.) Gottschl.
E *Pilosella neogelmii* (Gottschl.) Gottschl.
Pilosella nigricarina (Nägeli & Peter) Soják
Pilosella notha (Huter) S.Bräut. & Greuter
Pilosella officinarum Vaill.
E *Pilosella pachycymigera* (Gottschl.) Gottschl.
Pilosella pachypila (Peter) Soják
Pilosella peleteriana (Mérat) F.W.Schultz & Sch.Bip. subsp. **peleteriana**
Pilosella peleteriana (Mérat) F.W.Schultz & Sch.Bip. subsp. **subpeleteriana** (Nägeli & Peter) P.D.Sell
Pilosella permutata (Nägeli & Peter) Soják
Pilosella peteriana (Käser) Holub
Pilosella piloselloides (Vill.) Soják subsp. **floccosa** (Nägeli & Peter) S.Bräut. & Greuter
Pilosella piloselloides (Vill.) Soják subsp. **litorale** (Nägeli & Peter) Zahn
Pilosella piloselloides (Vill.) Soják subsp. **piloselloides**
Pilosella piloselloides (Vill.) Soják subsp. **praealta** (Vill. ex Gochnat) S.Bräut. & Greuter
Pilosella plaicensis (Wol.) Soják
Pilosella portae (Willk. ex T.Durand & B.D.Jacks.) Mateo & Greuter
E *Pilosella promeces* (Peter) Holub
Pilosella pseudolactucella Gottschl.
Pilosella pseudopilosella (Ten.) Soják
Pilosella pseudotrichodes (Zahn) Soják

- Pilosella rubra* (Peter) Soják
E *Pilosella salernicola* (J.Vetter & Zahn) Soják
Pilosella saussureoides Arv.-Touv.
E *Pilosella schizosciadia* Gottschl.
Pilosella schultesii (F.W.Schultz) F.W.Schultz & Sch.Bip.
E *Pilosella sciadogena* Gottschl.
Pilosella sciadophora (Nägeli & Peter) Soják
Pilosella sphaerocephala (Froel. ex Rchb.) F.W.Schultz & Sch.Bip.
Pilosella stoloniflora (Waldst. & Kit.) F.W.Schultz & Sch.Bip.
Pilosella subrubens Arv.-Touv.
Pilosella substoloniflora (Peter) Soják
Pilosella subtardans (Nägeli & Peter) Soják
Pilosella sulphurea (Döll) F.W.Schultz & Sch.Bip.
Pilosella tardiuscula (Peter) Soják
Pilosella tendina (Nägeli & Peter) Soják
Pilosella tephrodes (Nägeli & Peter) S.Bräut. & Greuter
Pilosella tinctilingua (Zahn) Soják
Pilosella triplex (Peter) Soják
Pilosella velutina (Hegetschw.) F.W.Schultz & Sch.Bip.
Pilosella viridifolia (Peter) Holub
Pilosella visianii F.W.Schultz & Sch.Bip.
Pilosella ziziana (Tausch) F.W.Schultz & Sch.Bip.
E *Plagius flosculosus* (L.) Alavi & Heywood
Podospermum canum C.A.Mey.
Podospermum laciniatum (L.) DC. subsp. **decumbens** (Guss.) Gemeinholzer & Greuter
Podospermum laciniatum (L.) DC. subsp. **laciniatum**
Podospermum purpureum (L.) W.D.J.Koch & Ziz
Podospermum roseum (Waldst. & Kit.) Gemeinholzer & Greuter
Prenanthes purpurea L.
Ptilostemon casabonae (L.) Greuter
E *Ptilostemon gnaphaloides* (Cirillo) Soják subsp. **gnaphaloides**
E *Ptilostemon greuteri* Raimondo & Domina
E *Ptilostemon niveus* (C.Presl) Greuter
Ptilostemon stellatus (L.) Greuter
Ptilostemon strictus (Ten.) Greuter
Pulicaria dysenterica (L.) Bernh.
Pulicaria odora (L.) Rchb.
Pulicaria sicula (L.) Moris
Pulicaria vulgaris Gaertn.
Reichardia intermedia (Sch.Bip.) Samp.
Reichardia picroides (L.) Roth
Reichardia tingitana (L.) Roth
Rhagadiolus edulis Gaertn.
Rhagadiolus stellatus (L.) Gaertn.
Rhaponticoides africana (Lam.) M.V.Agab. & Greuter
E *Rhaponticoides alpina* (L.) M.V.Agab. & Greuter
E *Rhaponticoides centaurium* (L.) M.V.Agab. & Greuter – Note: According to Bartolucci et al. (2017a), *R. calabrica* Puntillo & Peruzzi is considered here as a heterotypic synonym of this species.
Rhaponticum bicknellii (Briq.) Banfi, Galasso & Soldano
Rhaponticum coniferum (L.) Greuter
E *Rhaponticum hemeralpion* Banfi, Galasso & Soldano – Note: According to Banfi et al. (2011), *R. heleniifolium* Godr. & Gren. should be excluded from the Italian flora.
Rhaponticum scariosum Lam.
E *Robertia taraxacoides* (Loisel.) DC.
E *Santolina corsica* Jord. & Fourr.
E *Santolina etrusca* (Lacaita) Marchi & D'Amato
E *Santolina insularis* (Gennari ex Fiori) Arrigoni
E *Santolina ligustica* Arrigoni
E *Santolina neapolitana* Jord. & Fourr.
E *Santolina pinnata* Viv.
Saussurea alpina (L.) DC. subsp. **alpina**
Saussurea alpina (L.) DC. subsp. **depressa** (Gren.) Nyman
Saussurea discolor (Willd.) DC.
Saussurea pygmaea (Jacq.) Spreng.
Schlagintweitia huteri (Hausm. ex Bamb.) Gottschl. & Greuter subsp. **huteri**
Schlagintweitia huteri (Hausm. ex Bamb.) Gottschl. & Greuter subsp. **lantoscana** (Burnat & Gremli) Gottschl.
Schlagintweitia intybacea (All.) Griseb.
Scolymus grandiflorus Desf.
Scolymus hispanicus L. subsp. **hispanicus**
Scolymus hispanicus L. subsp. **occidentalis** F.M.Vásquez
Scolymus maculatus L.
Scorzonera aristata Ramond ex DC.
E *Scorzonera austriaca* Willd.
E *Scorzonera callosa* Moris
Scorzonera hirsuta (Gouan) L.
Scorzonera hispanica L. subsp. **asphodeloides** (Wallr.) Arcang.
E *Scorzonera hispanica* L. subsp. **hispanica**
E *Scorzonera hispanica* L. subsp. **neapolitana** (Grande) Greuter

- Scorzonera humilis* L.
Scorzonera undulata Vahl subsp. *deliciosa* (Guss. ex DC.) Maire
E *Scorzonera villosa* Scop. subsp. *columnae* (Guss.) Nyman
Scorzonera villosa Scop. subsp. *villosa*
Scorzoneroides autumnalis (L.) Moench
Scorzoneroides cichoriacea (Ten.) Greuter
Scorzoneroides helvetica (Mérat) Holub
E *Scorzoneroides montana* (Lam.) Holub subsp. *breviscapa* (DC.) Greuter
Scorzoneroides montana (Lam.) Holub subsp. *melanotricha* (Vierh.) Gutermann
Scorzoneroides montana (Lam.) Holub subsp. *montana*
Scorzoneroides muelleri (Sch.Bip.) Greuter & Talavera
Senecio altissimus Mill.
Senecio cacaliaster Lam.
Senecio doronicum (L.) L. subsp. *doronicum*
Senecio doronicum (L.) L. subsp. *orientalis* J.Calvo
Senecio fontanicola Grulich & Hodálová
Senecio gallicus Vill.
Senecio glaucus L. subsp. *coronopifolius* (Maire) C.Alexander
E *Senecio glaucus* L. subsp. *hyblaeus* Brullo
Senecio hercynicus Herborg subsp. *hercynicus*
Senecio leucanthemifolius Poir. subsp. *leucanthemifolius*
Senecio leucanthemifolius Poir. subsp. *mauritanicus* (Pomel) Greuter
Senecio lividus L.
E *Senecio morisii* J.Calvo & Bacch.
E *Senecio nemorensis* L. subsp. *apuanus* (Tausch) Greuter
Senecio nemorensis L. subsp. *glabratus* (Herborg) Oberpr.
Senecio nemorensis L. subsp. *jacquinianus* (Rchb.) Čelak.
Senecio ovatus (G.Gaertn., B.Mey. & Scherb.) Willd. subsp. *alpestris* (Gaudin) Herborg
E *Senecio ovatus* (G.Gaertn., B.Mey. & Scherb.) Willd. subsp. *ovatus*
Senecio ovatus (G.Gaertn., B.Mey. & Scherb.) Willd. subsp. *stebianus* (Lacaita) Greuter
Senecio petraeus Boiss. & Reut.
Senecio provincialis (L.) Druce
E *Senecio scopolii* Hoppe & Hornsch. subsp. *floccosus* (Bertol.) Greuter
Senecio scopolii Hoppe & Hornsch. subsp. *scopolii*
E *Senecio squalidus* L. subsp. *aethnensis* (Jan ex DC.) Greuter
Senecio squalidus L. subsp. *aurasicus* (Batt.) C.Alexander
E *Senecio squalidus* L. subsp. *calabrus* (Fiori) Peruzzi & Bernardo
E *Senecio squalidus* L. subsp. *chrysanthemifolius* (Poir.) Greuter
E *Senecio squalidus* L. subsp. *microglossus* (Guss.) Arcang.
Senecio squalidus L. subsp. *rupestris* (Waldst. & Kit.) Greuter
E *Senecio squalidus* L. subsp. *sardous* (Fiori) Greuter
E *Senecio squalidus* L. subsp. *squalidus*
Senecio sylvaticus L.
E *Senecio transiens* (Rouy) Jeanm.
Senecio viscosus L.
T *Senecio vulgaris* L. subsp. *denticulatus* (O.F.Müll.) P.D.Sell
Senecio vulgaris L. subsp. *vulgaris*
Serratula tinctoria L. subsp. *monticola* (Boreau) Berher
Serratula tinctoria L. subsp. *tinctoria*
Silybum marianum (L.) Gaertn.
E *Solidago litoralis* Savi
Solidago virgaurea L. subsp. *minuta* (L.) Arcang.
Solidago virgaurea L. subsp. *virgaurea*
Sonchus arvensis L. subsp. *arvensis*
Sonchus arvensis L. subsp. *uliginosus* (M.Bieb.) Nyman
Sonchus asper (L.) Hill subsp. *asper*
Sonchus asper (L.) Hill subsp. *glaucescens* (Jord.) Ball
Sonchus bulbosus (L.) N.Kilian & Greuter subsp. *bulbosus*
Sonchus maritimus L.
Sonchus oleraceus L.
Sonchus palustris L. – Note: Possibly extinct in Italy.
Sonchus tenerrimus L.
Staezelina dubia L.
E *Tanacetum audibertii* (Req.) DC.
Tanacetum corymbosum (L.) Sch.Bip. subsp. *achilleae* (L.) Greuter
Tanacetum corymbosum (L.) Sch.Bip. subsp. *corymbosum*
Tanacetum corymbosum (L.) Sch.Bip. subsp. *subcorymbosum* (Schur) Pawl.
Tanacetum parthenium (L.) Sch.Bip.
ET *Tanacetum vulgare* L. subsp. *siculum* (Guss.) Raimondo & Spadaro
Tanacetum vulgare L. subsp. *vulgare*
Taraxacum (Fontana) *absurdum* Soest
Taraxacum (Erythrosperma) *acrocuspdatum* Sonck
E *Taraxacum* (Alpestris) *aemilianum* Foggi & Ricceri
Taraxacum (Alpestris) *aequilobiforme* Soest
Taraxacum (Alpestris) *aestivum* Soest
Taraxacum (Palustria) *aginnense* Hofstra
Taraxacum (Alpestris) *albulense* Soest
E *Taraxacum* (Palustria) *amplexum* Sonck

- Taraxacum* (*Taraxacum*) **ancistrolobum** Dahlst.
E *Taraxacum* (*Palustria*) **annalisae** Carlesi & Peruzzi
E *Taraxacum* (*Alpina*) **apenninum** (Ten.) DC.
E *Taraxacum* (*Erythrocarpa*) **apulicum** Soest
Taraxacum (*Erythrocarpa*) **aquilonare** Hand.-Mazz.
Taraxacum (*Palustria*) **arachnoideum** Kirschner & Štěpánek
Taraxacum (*Fontana*) **aurantellum** Soest
Taraxacum (*Cucullata*) **aureocucullatum** Soest
Taraxacum (*Taraxacum*) **aurosuloides** Soest
E *Taraxacum* (*Erythrosperma*) **barbaricinum** Arrigoni
E *Taraxacum* (*Taraxacum*) **bidentilobum** Sonck
Taraxacum (*Erythrosperma*) **botanicorum** Sonck
Taraxacum (*Erythrosperma*) **brachyglossum** (Dahlst.) Raunk.
Taraxacum (*Obliqua*) **caespitosum** Soest
E *Taraxacum* (*Erythrocarpa*) **calabricum** Aquaro, Caparelli & Peruzzi
Taraxacum (*Palustria*) **candrianii** Soest
Taraxacum (*Erythrocarpa*) **capricum** Soest
E *Taraxacum* (*Scariosa*) **caramanicae** Lojac.
E *Taraxacum* (*Palustria*) **carthusianorum** Aquaro, Caparelli & Peruzzi
E *Taraxacum* (*Erythrocarpa*) **cescae** Aquaro, Caparelli & Peruzzi
Taraxacum (*Palustria*) **ciliare** Soest
Taraxacum (*Alpestris*) **cordatifolium** Soest
Taraxacum (*Fontana*) **croceicarpum** Soest
Taraxacum (*Alpestris*) **crocellum** Soest
Taraxacum (*Cucullata*) **cucullatum** Dahlst.
Taraxacum (*Taraxacum*) **debrayi** Hagend., Soest & Zevenb.
Taraxacum (*Palustria*) **delanghei** Soest
Taraxacum (*Palustria*) **divulsifolium** Soest
E *Taraxacum* (*Palustria*) **dolomiticum** Soest
Taraxacum (*Erythrosperma*) **dunensiforme** Sonck
Taraxacum (*Erythrosperma*) **edessicoides** Uhlemann
DD *Taraxacum* (*Taraxacum*) **ekmanii** Dahlst.
Taraxacum (*Erythrosperma*) **epirense** Soest
Taraxacum (*Erythrosperma*) **erythrospermum** Andr. ex Besser
Taraxacum (*Taraxacum*) **fasciatiforme** Soest
Taraxacum (*Fontana*) **fontanicola** Soest
Taraxacum (*Fontana*) **fontanum** Hand.-Mazz.
Taraxacum (*Taraxacum*) **formosum** Soest
Taraxacum (*Palustria*) **friscum** Soest
Taraxacum (*Erythrosperma*) **fulvum** Raunk.
E *Taraxacum* (*Erythrocarpa*) **garbarianum** Peruzzi, Aquaro, Caparelli & Raimondo
Taraxacum (*Erythrosperma*) **gasparrinii** Tineo ex Lojac.
E *Taraxacum* (*Erythrosperma*) **genargenteum** Arrigoni
Taraxacum (*Taraxacum*) **gentile** Rail.
ET *Taraxacum* (*Taraxacum*) **gianninii** Arrigoni, Ferretti & Padula
E *Taraxacum* (*Glacialia*) **glaciale** É.Huet & A.Huet ex Hand.-Mazz.
Taraxacum (*Erythrosperma*) **gracillimum** Soest
Taraxacum (*Taraxacum*) **grossum** Soest
Taraxacum (*Arctica*) **handelii** Murr
Taraxacum (*Alpina*) **helveticum** Soest
Taraxacum (*Palustria*) **huterianum** Soest
E *Taraxacum* (*Erythrocarpa*) **kirschneri** Aquaro, Caparelli & Peruzzi
Taraxacum (*Erythrosperma*) **lacistophylloides** Dahlst.
Taraxacum (*Erythrosperma*) **lacistophyllum** (Dahlst.) Raunk.
E *Taraxacum* (*Palustria*) **lacustre** Soest
Taraxacum (*Obliqua*) **lambinonii** Soest
Taraxacum (*Alpestris*) **lanjouwii** Soest
E *Taraxacum* (*Palustria*) **liliana** Aquaro, Caparelli & Peruzzi
Taraxacum (*Palustria*) **limosicola** Kirschner & Štěpánek
Taraxacum (*Taraxacum*) **linearisquameum** Soest
ET *Taraxacum* (*Erythrosperma*) **lucense** Arrigoni, Ferretti & Padula
Taraxacum (*Taraxacum*) **lucescens** Dahlst.
Taraxacum (*Palustria*) **madidum** Kirschner & Štěpánek – Note: Kirschner and Štěpánek (1998) report a specimen from "Tyrol, Barda", very likely referring to Lago di Garda.
Taraxacum (*Fontana*) **magnopyramidophorum** Soest
E *Taraxacum* (*Palustria*) **mannoccii** Carlesi & Peruzzi
Taraxacum (*Alpestris*) **martellense** Soest
Taraxacum (*Alpina*) **mattmarkense** Soest
Taraxacum (*Scariosa*) **minimum** (V.Brig.) N.Terracc.
Taraxacum (*Erythrosperma*) **montesignum** Soest
Taraxacum (*Erythrosperma*) **multidentatum** Soest
Taraxacum (*Palustria*) **multisinuatum** Kirschner, Sonck & Štěpánek
Taraxacum (*Celtica*) **nordstedtii** Dahlst.
Taraxacum (*Palustria*) **noterophilum** Kirschner, Sonck & Štěpánek
Taraxacum (*Obovata*) **obovatum** (Willd.) DC.
Taraxacum (*Palustria*) **odiosum** Kirschner & Štěpánek
Taraxacum (*Palustria*) **olivaceum** Soest
E *Taraxacum* (*Erythrocarpa*) **optimae** Aquaro, Caparelli & Peruzzi

- Taraxacum* (*Taraxacum*) **oreincola** Soest
Taraxacum (*Alpina*) **oreophilum** C.E.Haglund
Taraxacum (*Borea*) **ostenfeldii** Raunk.
Taraxacum (*Alpina*) **pacheri** Sch.Bip.
DD *Taraxacum* (*Taraxacum*) **pallescentiforme** Soest
Taraxacum (*Alpestrina*) **pallidisquameum** Soest – Note: This species was recorded for Italy by Polatschek (1999).
Taraxacum (*Alpina*) **panalpinum** Soest
Taraxacum (*Alpestrina*) **parnassicum** Dahlst.
Taraxacum (*Palustria*) **pauckertianum** Hudziok
Taraxacum (*Taraxacum*) **pedemontanum** Soest
Taraxacum (*Alpina*) **pedrottii** Soest
Taraxacum (*Fontana*) **peralatum** Soest
Taraxacum (*Alpestrina*) **perfixsum** Soest
E *Taraxacum* (*Erythrosperma*) **perincisum** (Murr) Murr
Taraxacum (*Taraxacum*) **perrigidum** Sonck
Taraxacum (*Alpina*) **petiolulatum** Huter
Taraxacum (*Taraxacum*) **piceatum** Dahlst.
Taraxacum (*Taraxacum*) **piluliferum** G.E.Haglund
Taraxacum (*Erythrosperma*) **plumbeum** Dahlst.
Taraxacum (*Fontana*) **pohlII** Soest
E *Taraxacum* (*Erythrocarpa*) **pollinense** Aquaro, Caparelli & Peruzzi
Taraxacum (*Alpestrina*) **praeticum** Soest
DD *Taraxacum* (*Erythrosperma*) **proximum** (Dahlst.) Raunk. – Note: This species is recorded from N and C Italy by Doll (1973), without precise localities.
Taraxacum (*Taraxacum*) **pseudelongatum** Soest
Taraxacum (*Erythrosperma*) **pseudocastaneum** Soest
Taraxacum (*Alpina*) **pseudofontanum** Soest
Taraxacum (*Erythrocarpa*) **pseudohoppeanum** Kirschner & Štěpánek
Taraxacum (*Palustria*) **refectum** Sonck
Taraxacum (*Arctica*) **reichenbachii** (Huter) Dahlst.
Taraxacum (*Alpestrina*) **reophilum** Soest
DD *Taraxacum* (*Erythrosperma*) **retzii** Soest – Note: This species is recorded from NW and C Italy by Doll (1973), without precise localities.
Taraxacum (*Taraxacum*) **rhaeticum** Soest
E *Taraxacum* (*Taraxacum*) **rigidipes** Sonck
Taraxacum (*Taraxacum*) **rigidum** Soest
DD *Taraxacum* (*Erythrosperma*) **roseocarpum** Soest – Note: This species is recorded from NW and C Italy (Soest 1969; Doll 1973), without precise localities.
Taraxacum (*Erythrosperma*) **rubicundum** (Dahlst.) Dahlst.
Taraxacum (*Fontana*) **rufocarpum** Soest
Taraxacum (*Taraxacum*) **sabaudum** Soest
E *Taraxacum* (*Erythrosperma*) **sarcidanum** Arrigoni
ET *Taraxacum* (*Erythrosperma*) **sardomontanum** Arrigoni
Taraxacum (*Erythrosperma*) **scanicum** Dahlst.
Taraxacum (*Palustria*) **scaturiginosum** G.E.Haglund
Taraxacum (*Rhodocarpa*) **schroeterianum** Hand.-Mazz.
Taraxacum (*Fontana*) **senile** Soest
E *Taraxacum* (*Palustria*) **siculum** Soest
Taraxacum (*Fontana*) **silvicola** Soest
Taraxacum (*Alpestrina*) **simpliciusculum** Soest
Taraxacum (*Alpestrina*) **stylosum** Soest
Taraxacum (*Erythrosperma*) **subdissimile** Dahlst.
Taraxacum (*Palustria*) **subolivaceum** Sonck
Taraxacum (*Taraxacum*) **subsaxenii** Sahlin
Taraxacum (*Erythrosperma*) **taraxacoides** (Hoppe & Hornsch.) Willk.
Taraxacum (*Palustria*) **tenuifolium** (Hoppe & Hornsch.) W.D.J.Koch
Taraxacum (*Cucullata*) **tirolense** Dahlst.
E *Taraxacum* (*Alpina*) **tortilobiforme** Soest
Taraxacum (*Erythrosperma*) **tortilobum** Florstr.
Taraxacum (*Palustria*) **trilobifolium** Hudziok
Taraxacum (*Palustria*) **turfosum** (Sch.Bip.) Soest
E *Taraxacum* (*Erythrosperma*) **vaccarii** Soest
Taraxacum (*Erythrosperma*) **veglanum** Uhlemann
Taraxacum (*Taraxacum*) **valesiacum** Soest
ET *Taraxacum* (*Taraxacum*) **vallis-nibulae** Arrigoni
Taraxacum (*Alpina*) **venustum** Dahlst.
Taraxacum (*Alpina*) **vernelense** Soest
Taraxacum (*Alpina*) **vetteri** Soest
Taraxacum (*Palustria*) **vindobonense** Soest
E *Taraxacum* (*Erythrosperma*) **xantholigulatum** Sonck
Taraxacum sect. **Borealia** Hand.-Mazz. – Note: The record of *T. ceratophorum* group for Udine province (FVG) by Aeschiman et al. (2014) is referred here.
Taraxacum F.H.Wigg. sect. **Taraxacum** – Note: In addition to the 25 apomictic taxa listed above (see also Kirschner et al. 2007 onwards), there are certainly further, yet unidentified, taxa occurring in Italy, which are collectively referred here.
Tephroses **balbisiana** (DC.) Holub
Tephroses **integrifolia** (L.) Holub subsp. **capitata** (Wahlenb.) B.Nord.
Tephroses **integrifolia** (L.) Holub subsp. **integrifolia**
E *Tephroses* **italica** Holub
Tephroses **longifolia** (Jacq.) Griseb. & Schenk subsp. **gudini** (Gremli) Kerguelén
Tephroses **longifolia** (Jacq.) Griseb. & Schenk subsp. **longifolia**
Tephroses **longifolia** (Jacq.) Griseb. & Schenk subsp. **pseudocrispa** (Fiori) Greuter
Tolpis **staticifolia** (All.) Sch.Bip.

- Tolpis umbellata* Bertol.
 E *Tolpis virgata* (Desf.) Bertol. subsp. **grandiflora** (Ten.) Arcang.
Tolpis virgata (Desf.) Bertol. subsp. **virgata**
Tragopogon crocifolius L. subsp. **crocifolius**
 E *Tragopogon crocifolius* L. subsp. **nebrodensis** (Guss.) Raimondo
 E *Tragopogon cupanii* Guss. ex DC.
Tragopogon dubius Scop.
Tragopogon eriospermus Ten.
Tragopogon minor Mill.
Tragopogon orientalis L.
Tragopogon porrifolius L.
Tragopogon pratensis L.
Tragopogon samaritanii Heldr. & Sartori ex Boiss.
Tragopogon tommasinii Sch.Bip.
Tripleurospermum inodorum (L.) Sch.Bip.
 E *Tripolium sorrentinoi* (Tod.) Raimondo & Greuter
Tussilago farfara L.
Tyrinnus leucographus (L.) Cass.
Urospermum dalechampii (L.) F.W.Schmidt
Urospermum picroides (L.) Scop. ex F.W.Schmidt
Volutaria tubuliflora (Murb.) Sennen
Willemetia stipitata (Jacq.) Dalla Torre subsp. **stipitata**
Xanthium strumarium L. subsp. **brasilicum** (Vell.) O.Bolòs & Vigo
Xanthium strumarium L. subsp. **strumarium**
Xeranthemum cylindraceum Sm.
Xeranthemum inapertum (L.) Mill.
 E *Xerolekia speciosissima* (L.) Anderb.
- Viburnaceae
 E *Adoxa moschatellina* L. subsp. **cescae** Peruzzi & N.G.Passal.
Adoxa moschatellina L. subsp. **moschatellina**
Sambucus ebulus L.
Sambucus nigra L.
Sambucus racemosa L. subsp. **racemosa**
Viburnum lantana L.
Viburnum opulus L.
Viburnum tinus L. subsp. **tinus**
- Caprifoliaceae
Lonicera alpigena L. subsp. **alpigena**
Lonicera caerulea L. subsp. **caerulea**
Lonicera caprifolium L.
Lonicera cyrenaica Viv.
Lonicera etrusca Santi
Lonicera implexa Aiton subsp. **implexa**
Lonicera nigra L.
Lonicera periclymenum L.
 E *Lonicera stabiana* Guss. ex Pasq.
Lonicera xylosteum L. – Note: *Lonicera xylosteum* L. var. *nigra* Loisel. was recorded for central and southern Italy (Conti et al. 2005).
- Linnaeaceae
Linnaea borealis L.
- Dipsacaceae
Cephalaria alpina (L.) Roem. & Schult.
Cephalaria joppensis (Rchb.) Coult.
Cephalaria leucantha (L.) Roem. & Schult.
 E *Cephalaria mediterranea* (Viv.) Szabó
 E *Cephalaria squamiflora* (Sieber) Greuter subsp. **bigazzii** (Bacch., Brullo & Giusso) Domina
Cephalaria transsylvanica (L.) Roem. & Schult.
 E *Dipsacus ferox* Loisel.
Dipsacus fullonum L. subsp. **fullonum**
Dipsacus pilosus L.
 E *Dipsacus valsecchiae* Camarda
Knautia arvensis (L.) Coult.
 E *Knautia baldensis* A.Kern. ex Borbás
 E *Knautia calycina* (C.Presl) Guss.
Knautia collina Jord.
 E *Knautia dinarica* (Murb.) Borbás subsp. **silana** (Grande) Ehrend. – Note: For the taxonomy and distribution of this unit, see Peruzzi et al. (2013a).
 T *Knautia drymeja* Heuff. subsp. **centrifrons** (Borbás) Ehrend. – Note: Recently, *K. drymeja* was regarded as a morphologically and genetically variable species without infraspecific taxa, also including *K. gussonei* (Rešetnik et al. 2016). The authors based their morphometric analyses on single specimens for 43 populations of the complex. Only a single voucher specimen of *K. gussonei* was studied. Furthermore, some characters useful for identification in morphometric analyses (i.e., presence of glandular hairs, see Bartolucci and Conti 2014) were not considered at all. Waiting for further studies, we are provisionally maintaining here the taxonomic treatment proposed by Conti et al. (2005).
Knautia drymeja Heuff. subsp. **drymeja**
 T *Knautia drymeja* Heuff. subsp. **intermedia** (Pernh. & Wettst.) Ehrend.

- T *Knautia drymeja* Heuff. subsp. **tergestina** (Beck) Ehrend.
Knautia fleischmannii (Hladnik ex Rchb.) Pacher – Note: Possibly extinct in Italy.
- ET *Knautia gussonei* Szabó
Knautia illyrica Beck
Knautia integrifolia (L.) Bertol. subsp. **integrifolia**
Knautia longifolia (Waldst. & Kit.) W.D.J.Koch
- E *Knautia lucana* Lacaíta & Szabó
Knautia maxima (Opiz) J.Ortmann subsp. **maxima** – Note: The record of *K. maxima* from MOL (Lucchese 1996; under the name *K. dipsacifolia*) probably refers to *K. gussonei* Szabó.
Knautia maxima (Opiz) J.Ortmann subsp. **sixtina** (Briq.) Bartolucci & Galasso
Knautia mollis Jord.
- E *Knautia persicina* A.Kern.
Knautia ressmannii (Pacher) Briq.
Knautia subcanescens Jord.
Knautia transalpina (Christ) Briq.
Knautia velutina Briq.
Lomelosia argentea (L.) Greuter & Burdet
Lomelosia brachiata (Sm.) Greuter & Burdet
Lomelosia crenata (Cirillo) Greuter & Burdet subsp. **crenata**
- T *Lomelosia crenata* (Cirillo) Greuter & Burdet subsp. **dallaportae** (Boiss.) Greuter & Burdet
- ET *Lomelosia crenata* (Cirillo) Greuter & Burdet subsp. **pseudisetensis** (Lacaíta) Greuter & Burdet
Lomelosia cretica (L.) Greuter & Burdet
Lomelosia divaricata (Jacq.) Greuter & Burdet
Lomelosia graminifolia (L.) Greuter & Burdet subsp. **graminifolia**
Lomelosia rutifolia (Vahl) Avino & P.Caputo
Lomelosia simplex (Desf.) Raf. subsp. **simplex**
Lomelosia stellata (L.) Raf.
- E *Pseudoscabiosa limonifolia* (Vahl) Devesa
Scabiosa columbaria L. subsp. **columbaria**
Scabiosa columbaria L. subsp. **portae** (A.Kern. ex Huter) Hayek
- E *Scabiosa holosericea* Bertol.
Scabiosa lucida Vill. subsp. **lucida**
Scabiosa mollissima Viv.
Scabiosa ochroleuca L.
- E *Scabiosa parviflora* Desf.
Scabiosa pyrenaica All.
Scabiosa silenifolia Waldst. & Kit.
Scabiosa taygetea Boiss. & Heldr. subsp. **garganica** (Porta & Rigo) Hayek
Scabiosa triandra L.
- ET *Scabiosa unisetata* Savi
Scabiosa velenovskiyana Bobrov
- E *Scabiosa vestina* Facchini ex W.D.J.Koch
Sixalix atropurpurea (L.) Greuter & Burdet
Succisa pratensis Moench
Succisella inflexa (Kluk) Beck

Valerianaceae

Taxonomic references: *Valeriana officinalis* L. group (Kirschner and Raab-Straube 2017).

- E *Centranthus amazonum* Fridl. & A.Raynal
Centranthus angustifolius (Mill.) DC. subsp. **angustifolius**
Centranthus calcitrapae (L.) DuRoi. subsp. **calcitrapae**
Centranthus ruber (L.) DC. subsp. **ruber**
Fedia graciliflora Fisch. & C.A.Mey.
Valeriana celtica L. subsp. **celtica**
Valeriana celtica L. subsp. **norica** Vierh.
Valeriana dioica L.
Valeriana elongata Jacq.
Valeriana excelsa Poir. subsp. **sambucifolia** (J.C.Mikan ex Pohl) Holub
Valeriana excelsa Poir. subsp. **versifolia** (Brügger) Buttler, Hand & Kirschner
Valeriana montana L.
- T *Valeriana officinalis* L. subsp. **nemorensis** (B.Turk) F.Martini & Soldano
Valeriana officinalis L. subsp. **officinalis**
Valeriana salianca All.
Valeriana saxatilis L.
Valeriana stolonifera Czern. subsp. **angustifolia** Soó
Valeriana supina Ard.
Valeriana tripteris L. subsp. **austriaca** E.Walther
Valeriana tripteris L. subsp. **tomentella** E.Walther
Valeriana tripteris L. subsp. **tripertis**
Valeriana tuberosa L.
Valerianella carinata Loisel.
Valerianella coronata (L.) DC.
Valerianella costata (Stev.) Betcke
Valerianella dentata (L.) Pollich
Valerianella discoidea (L.) Loisel.
Valerianella echinata (L.) DC.
Valerianella eriocarpa Desv.

Valerianella locusta (L.) Laterr.
Valerianella microcarpa Loisel.
Valerianella muricata (Stev. ex M.Bieb.) J.W.Loudon
Valerianella puberula (Bertol. ex Guss.) DC.
Valerianella pumila (L.) DC.
Valerianella rimosa Bastard
Valerianella turgida (Stev.) Betcke
Valerianella vesicaria (L.) Moench

Araliaceae

Hedera helix L. subsp. **helix**
Hydrocotyle vulgaris L.

Apiaceae

Taxonomic references: *Laserpitium* L., *Siler* Mill., *Silphiodaucus* (Koso-Pol.) Spalik, Wojew., Banasiak, Piwczyński & Reduron and *Thapsia* L. (Banasiak et al. 2016; Iamónico et al. 2016a).

Aegopodium podagraria L.
Aethusa cynapium L. subsp. **cynapium**
Aethusa cynapium L. subsp. **elata** (Friedl.) Schübl. & G.Martens
Ammi majus L.
Ammoides pusilla (Brot.) Breistr.
Angelica sylvestris L. subsp. **sylvestris**
Anthriscus caucalis M.Bieb.
Anthriscus nemorosa (M.Bieb.) Spreng.
Anthriscus nitida (Wahlenb.) Hazsl.
Anthriscus sylvestris (L.) Hoffm. subsp. **alpina** (Vill.) Gremli
Anthriscus sylvestris (L.) Hoffm. subsp. **sylvestris**
Apium graveolens L.
Astrantia bavarica F.W.Schultz
Astrantia carniolica Jacq.
Astrantia major L. subsp. **involucrata** (W.D.J.Koch) Ces.
Astrantia major L. subsp. **major**
Astrantia minor L.
E *Astrantia pauciflora* Bertol. subsp. **pauciflora**
E *Astrantia pauciflora* Bertol. subsp. **tenorei** (Mariotti) Bechi & Garbari
E *Athamanta cortiana* Ferrarini
Athamanta cretensis L.
Athamanta ramosissima Port.
Athamanta sicula L.
Athamanta turbith (L.) Brot. subsp. **turbith**
Berula erecta (Huds.) Coville
Bifora radians M.Bieb.
Bifora testiculata (L.) Spreng.
Bonannia graeca (L.) Halácsy
Bubon macedonicum L.
E *Bunium bulbocastanum* L.
E *Bunium corydalinum* DC.
Bunium macuca Boiss.
E *Bunium petraeum* Ten.
Bupleurum affine Sadler
Bupleurum baldense Turra
E *Bupleurum dianthifolium* Guss.
E *Bupleurum elatum* Guss.
Bupleurum falcatum L. subsp. **cernuum** (Ten.) Arcang.
E *Bupleurum falcatum* L. subsp. **corsicum** (Coss. & Kralik) Rouy & E.G.Camus
Bupleurum fruticosum L.
Bupleurum gerardi All.
Bupleurum gracile d'Urv.
E *Bupleurum gussonei* (Arcang.) Snogerup & B.Snogerup
Bupleurum lancifolium Hornem.
Bupleurum longifolium L.
Bupleurum odontites L.
Bupleurum petraeum L.
Bupleurum praealtum L.
Bupleurum ranunculoides L. subsp. **ranunculoides**
Bupleurum ranunculoides L. subsp. **telonense** (Gren. ex Timb.-Lagr.) Coste
Bupleurum rigidum L. subsp. **rigidum**
E *Bupleurum rollii* (Montel.) Moraldo – For the taxonomy and distribution of this species and related taxa, see Iberite et al. (2015).
Bupleurum semicompositum L.
Bupleurum stellatum L.
Bupleurum subovatum Link ex Spreng.
Bupleurum tenuissimum L.
C *Bupleurum trichopodium* Boiss. & Spruner
Bupleurum veronense Turra
Cachrys cristata DC.
Cachrys libanotis L.
Cachrys pungens Jan ex Guss.

- Cachrys sicula* L.
E *Carum appuanum* (Viv.) Grande subsp. ***appuanum***
Carum carvi L.
Carum heldreichii Boiss.
Caucalis platycarpus L.
Cervaria rivini Gaertn.
Chaerophyllum aromaticum L.
Chaerophyllum aureum L.
Chaerophyllum elegans Gaudin
E *Chaerophyllum hirsutum* L.
Chaerophyllum magellense Ten.
Chaerophyllum nodosum (L.) Crantz
Chaerophyllum temulum L.
Chaerophyllum villarsii W.D.J.Koch
Cicuta virosa L.
Conium maculatum L. subsp. ***maculatum***
E *Conopodium majus* (Gouan) Loret subsp. ***majus***
Coristospermum cuneifolium (Guss.) Bertol.
Coristospermum ferulaceum (All.) Reduron, Charpin & Pimenov
Coristospermum seguieri (Jacq.) Banfi, Galasso & Soldano
Crithmum maritimum L.
E *Cryptotaenia thomasii* (Ten.) DC.
Daucus aureus Desf.
E *Daucus broteroi* Ten.
Daucus carota L. subsp. ***carota***
T *Daucus carota* L. subsp. ***commutatus*** (Paol.) Thell.
T *Daucus carota* L. subsp. ***drepanensis*** (Tod. ex Lojac.) Heywood
T *Daucus carota* L. subsp. ***gummifer*** (Syme) Hook.f.
T *Daucus carota* L. subsp. ***hispanicus*** (Gouan) Thell.
T *Daucus carota* L. subsp. ***maritimus*** (Lam.) Batt.
T *Daucus carota* L. subsp. ***maximus*** (Desf.) Ball
ET *Daucus carota* L. subsp. ***rupestris*** (Guss.) Heywood
Daucus guttatus Sm.
Daucus minusculus Pau ex Font Quer
Daucus muricatus (L.) L.
E *Daucus nebrodensis* Strobl
Daucus pumilus (L.) Hoffmanns. & Link
Daucus rouyi Spalik & Reduron
Dichoropetalum carvifolium-chabraei (Crantz) Soldano, Galasso & Banfi
Dichoropetalum schottii (Bess. ex DC.) Pimenov & Kljuykov
Echinophora spinosa L.
Echinophora tenuifolia L. subsp. ***tenuifolia***
Eryngium alpinum L.
Eryngium amethystinum L.
Eryngium campestre L.
E *Eryngium corniculatum* Lam.
Eryngium crinitum C.Presl
Eryngium dichotomum Desf.
Eryngium maritimum L.
Eryngium pusillum L.
E *Eryngium siculum* Lojac.
Eryngium spinalba Vill.
E *Eryngium tricuspdatum* L. subsp. ***bocconei*** (Lam.) Wörz
Eryngium tricuspdatum L. subsp. ***tricuspdatum***
Eryngium triquetrum Vahl
E *Falcaria vulgaris* Bernh.
Ferula arrigonii Bocchieri
Ferula communis L. subsp. ***communis***
Ferula glauca L.
Ferulago campestris (Besser) Grecescu
E *Ferulago nodosa* (L.) Boiss. subsp. ***geniculata*** (Guss.) Troia & Raimondo – Note: For the nomenclature of this subspecies, see Peruzzi et al. (2015b).
Ferulago sylvatica (Besser) Rchb.
T *Foeniculum vulgare* Mill. subsp. ***piperitum*** (Ucria) Bég.
Foeniculum vulgare Mill. subsp. ***vulgare***
Geocaryum capillifolium (Guss.) Coss.
Geocaryum cynapioides (Guss.) Engstrand
Grafia golaka (Hacq.) Rchb.
Hacquetia epipactis (Scop.) DC.
Hellenocarum multiflorum (Sm.) H. Wolff
Helosciadium crassipes W.D.J.Koch ex Rchb.
Helosciadium inundatum (L.) W.D.J.Koch
Helosciadium nodiflorum (L.) W.D.J.Koch subsp. ***nodiflorum***
Helosciadium repens (Jacq.) W.D.J.Koch – Note: Possibly extinct in Italy (Rossi et al. 2013).
E *Heptaptera angustifolia* (Bertol.) Tutin
Heracleum austriacum L.
Heracleum orsinii Guss.
Heracleum pyrenaicum Lam. subsp. ***pollinianum*** (Bertol.) F.Pedrotti & Pignatti
Heracleum sibiricum L. subsp. ***sibiricum***

- Heracleum sibiricum* L. subsp. **ternatum** (Velen.) Briq.
Heracleum sphondylium L. subsp. **elegans** (Crantz) Schübl. & G.Martens
Heracleum sphondylium L. subsp. **sphondylium**
Imperatoria ostruthium L.
Katapsuxis silaifolia (Jacq.) Reduron, Charpin & Pimenov
Kruberia peregrina (L.) Hoffm.
Kundmannia sicula (L.) DC.
Lagoecia cuminoides L.
Laserpitium gallicum L. subsp. **gallicum**
Laserpitium halleri Crantz subsp. **halleri**
Laserpitium krapfi Crantz subsp. **gaudinii** (Moretti) Thell.
Laserpitium latifolium L.
Laserpitium nestleri Soy.-Will.
E *Laserpitium nitidum* Zanted.
Laserpitium peucedanoides L.
Magydaris pastinacea (Lam.) Paol.
Meum athamanticum Jacq.
Molopospermum peloponnesiacum (L.) W.D.J.Koch subsp. **bauhiniif** I.Ullmann
Molopospermum peloponnesiacum (L.) W.D.J.Koch subsp. **peloponnesiacum**
Mutellina adonidifolia (J.Gay) Gutermann
Myrrhis odorata (L.) Scop.
Oenanthe aquatica (L.) Poir.
Oenanthe crocata L.
Oenanthe fistulosa L.
Oenanthe globulosa L.
E *Oenanthe lachenalii* C.C.Gmel.
Oenanthe lisae Moris
Oenanthe peucedanifolia Pollich
Oenanthe pimpinelloides L.
Oenanthe silaifolia M.Bieb.
Opopanax chironium (L.) W.D.J.Koch
Opopanax hispidus (Friv.) Griseb.
Oreoselinum nigrum Delarbre
Orlaya daucorlaya Murb.
Orlaya grandiflora (L.) Hoffm.
Orlaya platycarpus W.D.J.Koch
Pachypleurum mutellinoides (Crantz) Holub
E *Pastinaca kochii* Duby
Pastinaca sativa L. subsp. **sativa**
Pastinaca sativa L. subsp. **urens** (Req. ex Godr.) Čelak.
E *Petagnaëa gussonei* (Spreng.) Rauschert
Peucedanum coriaceum Rchb.
Peucedanum officinale L. subsp. **officinale**
C *Peucedanum paniculatum* Loisel. – Note: This species is considered as a narrow endemic to Corse by Tison and de Foucault (2014). In addition, Arrigoni (2013) recorded it as doubtfully native in SAR.
Physospermum cornubiense (L.) DC.
Physospermum verticillatum (Waldst. & Kit.) Vis.
E *Pimpinella anisoides* V.Brig.
E *Pimpinella gussonei* Bertol.
Pimpinella lutea Desf.
Pimpinella major (L.) Huds.
Pimpinella peregrina L.
Pimpinella saxifraga L. subsp. **alpina** Nyman
Pimpinella saxifraga L. subsp. **nigra** (Mill.) Ces.
Pimpinella saxifraga L. subsp. **saxifraga**
Pimpinella tragium Vill.
Pleurospermum austriacum (L.) Hoffm.
Prangos ferulacea (L.) Lindl.
Prangos trifida Herrnst. & Heyn
E *Pteroselinum austriacum* (Jacq.) Rchb.
Ptychotis sardoa Pignatti & Metlesics
Ptychotis saxifraga (L.) Loret & Barrandon
Ridolfia segetum (Guss.) Moris
Sanicula europaea L.
Scandix australis L. subsp. **australis**
Scandix australis L. subsp. **grandiflora** (L.) Thell.
Scandix macrorhyncha C.A.Mey.
Scandix pecten-veneris L. subsp. **brachycarpa** (Guss.) Thell.
Scandix pecten-veneris L. subsp. **pecten-veneris**
Selinum carvifolia (L.) L.
Seseli annuum L. subsp. **annuum**
Seseli annuum L. subsp. **carvifolium** (Vill.) P.Fourn.
Seseli austriacum (G.Beck) Wohlf.
E *Seseli bocconeii* Guss.
Seseli galloprovinciale Reduron
Seseli kochii Breistr.
Seseli libanotis (L.) W.D.J.Koch
Seseli montanum L. subsp. **montanum**

- Seseli pallasii* Besser
Seseli peucedanoides (M.Bieb.) Koso-Pol.
E *Seseli polyphyllum* Ten.
Seseli praecox (Gamisans) Gamisans
Seseli tommasinii Rchb.f.
ET *Seseli tortuosum* L. subsp. *maritimum* (Guss.) C.Brullo, Brullo, Giusso & Sciandr.
Seseli tortuosum L. subsp. *tortuosum*
E *Siculosciadium nebrodense* (Guss.) C.Brullo, Brullo, S.R.Downie & Giusso
Silaum silaus (L.) Schinz & Thell.
Siler montanum Crantz subsp. *garganicum* (Ten.) Iamónico, Bartolucci & F.Conti
Siler montanum Crantz subsp. *montanum*
E *Siler montanum* Crantz subsp. *siculum* (Spreng.) Iamónico, Bartolucci & F.Conti *Silphiodaucus prutenicus* (L.) Spalik, Wojew., Banasiak, Piwczyński & Reduron
Sison amomum L.
Sison segetum L.
Sium latifolium L.
Smyrniolum olusatrum L.
T *Smyrniolum perfoliatum* L. subsp. *dimartinoi* (Raimondo, Mazzola & Spadaro) Stinca & Pignatti
Smyrniolum perfoliatum L. subsp. *perfoliatum*
Smyrniolum perfoliatum L. subsp. *rotundifolium* (Mill.) Bonnier & Layens
Thapsia asclepium L.
Thapsia garganica L. subsp. *garganica*
E *Thapsia garganica* L. subsp. *messanensis* (Guss.) Brullo, Guglielmo, Pasta, Pavone & Salmeri
Thapsia meoides (Desf.) Guss.
E *Thapsia pelagica* Brullo, Guglielmo, Pasta, Pavone & Salmeri
Thysseelinum palustre (L.) Hoffm.
Tommasinia altissima (Mill.) Reduron
Tordylium apulum L.
Tordylium maximum L.
Tordylium officinale L.
Torilis africana Spreng.
Torilis arvensis (Huds.) Link subsp. *arvensis*
Torilis arvensis (Huds.) Link subsp. *neglecta* Thell.
Torilis elongata (Hoffmanns. & Link) Samp.
Torilis japonica (Houtt.) DC.
Torilis leptophylla (L.) Rchb.f.
E *Torilis nemoralis* (Brullo) Brullo & Giusso
Torilis nodosa (L.) Gaertn. subsp. *nodosa*
Torilis nodosa (L.) Gaertn. subsp. *webbii* (Jury) Kerguélen
Trinia dalechampii (Ten.) Janch.
Trinia glauca (L.) Dumort. subsp. *carniolica* (A.Kern. ex Janch.) H.Wolff
Trinia glauca (L.) Dumort. subsp. *glauca*
Trochiscanthes nodiflora (All.) W.D.J.Koch
Turgenia latifolia (L.) Hoffm.
E *Visnaga crinita* (Guss.) Giardina & Raimondo – Note: Possibly extinct in CAL (Peruzzi 2014).
Visnaga daucooides Gaertn.
Xanthoselinum venetum (Spreng.) Soldano & Banfi

Discussion

The native flora of Italy include 8195 specific and subspecific taxa. It is the highest number in Europe and, at the Mediterranean region level, only Turkey hosts a higher number of native plant taxa (Boulos 1995; Güner et al. 2000; Valdés et al. 2002; Lauber and Wagner 2007; Buttler and Hand 2008; Danihelka et al. 2012; Güner et al. 2012; Aedo et al. 2013; Dimopoulos et al. 2013; Tison and de Foucault 2014; Vangjeli 2015; Dimopoulos et al. 2016; Raab-Straube et al. 2016; Aedo et al. 2017; Özhatay et al. 2017). The Italian endemics (1708) correspond to 20,8% of the total flora. The degree of endemism for Italy is comparable with most of the European and Mediterranean floras, with the exception of the Turkish flora, in which 34% of endemism is reported (Aedo et al. 2013; Özhatay et al. 2013; Rankou et al. 2013). Recently, Peruzzi et al. (2014a) reported for Italy 1371 endemic taxa, then updated to 1400 by Peruzzi et al. (2015b), but these authors deliberately excluded the numerous subspecies within the taxonomically critical genera *Hieracium* and *Pilosella*.

Although in recent years field explorations, regional floras and taxonomic reviews regarding the Italian flora have been increasingly published, for many taxa the distribution data are

lacking and/or show significant gaps of knowledge. In fact, 568 taxa have not been confirmed in recent times, 99 are doubtfully occurring in Italy, 19 are data deficient and 430 are taxonomically doubtful (not to mention hundreds of *Hieracium* subspecies). There is clearly a need for further field and biosystematic investigations to fill these gaps. Accordingly, the number of taxa reported here is certainly not final and the taxonomic circumscription of some critical genera will also require further in-depth analyses. In particular, taxonomic studies should pay a special attention to the correct interpretation and management of the taxonomic rank of subspecies (Peruzzi and Bartolucci 2016). For instance, there are several cases in the mostly apomictic genus *Hieracium*, where field observation suggests the co-occurrence in the same place of more than one putative “subspecies”. Similar situations could apply to many other taxa where “subspecies” lack a clear geographical (or at least ecological) structure. The classical subspecies concept provided by Wilson and Brown (1953), i.e. “the subspecies were conceived of as genetically distinct, geographically isolated population belonging to the same species and therefore interbreeding freely at the zones of contact”, is difficult to apply when two or more subspecies share the same native

range, show geographical and ecological overlap or are not sexually reproducing. These problems will need further research of experimental taxonomy and more consistency in using the subspecies rank among taxonomists (Hamilton and Reichard 1992).

Despite these problems, an updated checklist is a fundamental tool in floristic, taxonomic and particularly in conservation research (Lomolino 2004; Whittaker et al. 2005).

Acknowledgements

We gratefully acknowledge colleagues and friends who provided distribution, nomenclatural and taxonomic advices: Michele Adorni, Aldo Antonietti, Loris Bagli, Fausto Bonafede, Giovanna Bosi, Eugenia Bugni, Mario Calbi, Antonio Croce, Roberto Dellavedova, Marco D'Antraccoli, Giorgio Faggi, Germano Federici, Umberto Ferrando, Giulio Ferretti, Filiberto Fiandri, Helmut Freitag, Bruno Gallino, Giovanni Gestri, Luigi Ghillani, Matteo Gualmini, Laura Guglielmone, Sigurd E. Fröhner, Cesare Lasen, Wolfgang Licht, Umberto Lodesani, Fabrizio Martini, Marta Bandini Mazzanti, Anna Maria Mercuri, Nicola Merloni, Sergio Montanari, Villiam Morelli, Sergei L. Mosyakin, Franco Orsino, Konrad Pagitz, Guglielmo Pandolfo, Roberto Pascalt, Marziano Pascale, Mauro Pellizzari, Enrico V. Perrino, Franco Picco, Filippo Piccoli, Annalaura Pistorino, Enrico Romani, Daniele Saiani, Claudio Santini, Fabio Semprini, Consolata Siniscalco, Giancarlo Tondi and Michele Vignodelli.

Disclosure statement

No potential conflict of interest was reported by the authors.

ORCID

F. Bartolucci  <http://orcid.org/0000-0001-8199-6003>
 L. Peruzzi  <http://orcid.org/0000-0001-9008-273X>
 G. Galasso  <http://orcid.org/0000-0002-2501-456X>
 A. Albano  <http://orcid.org/0000-0002-0874-320X>
 N. M. G. Ardenghi  <http://orcid.org/0000-0002-4366-5729>
 G. Astuti  <http://orcid.org/0000-0001-5790-3516>
 G. Bacchetta  <http://orcid.org/0000-0002-1714-3978>
 L. Cecchi  <http://orcid.org/0000-0001-9706-0947>
 G. Domina  <http://orcid.org/0000-0003-4184-398X>
 G. Fenu  <http://orcid.org/0000-0003-4762-5043>
 B. Foggi  <http://orcid.org/0000-0001-6451-4025>
 D. Iamónico  <http://orcid.org/0000-0001-5491-7568>
 E. Martinetto  <http://orcid.org/0000-0002-9131-0877>
 R. Pennesi  <http://orcid.org/0000-0002-6145-5581>
 F. Roma-Marzio  <http://orcid.org/0000-0002-2184-0311>
 A. Santangelo  <http://orcid.org/0000-0001-5560-1725>
 A. Scoppola  <http://orcid.org/0000-0001-7389-5608>
 F. Selvi  <http://orcid.org/0000-0002-3820-125X>
 A. Stinca  <http://orcid.org/0000-0002-8275-0184>
 R. P. Wagensommer  <http://orcid.org/0000-0002-1614-4821>
 F. Conti  <http://orcid.org/0000-0001-7391-6691>

References

- Accorsi CA, Bandini Mazzanti M, Forlani L, Meneghel M, Rigoni A, Sorbini L. 1989. Primi dati stratigrafici e palinologici sulla sequenza di Bernascone (Verona), datata alla base 18.870 ± 300 B.P. *Inform Bot Ital.* 21: 240–245.
- Aedo C, Buiara A, Medina L, Fernández-Albert M. 2017. The Iberian vascular flora richness, endemism and distribution patterns. In: Loidi J, editor. *The vegetation of the Iberian Peninsula*. Vol. 1, Cham: Springer. p. 101–130. doi: 10.1007/978-3-319-54784-8.
- Aedo C, Medina L, Fernández-Albert M. 2013. Species richness and endemism in the Spanish vascular flora. *Nord J Bot.* 31: 478–488. doi:10.1111/j.1756-1051.2012.00009.x.
- Aeschmann D, Lauber K, Moser DM, Theurillat J-P. 2004. *Flora alpina*, Vol. 2. Bern: Haupt Verlag.
- Akhani H, Edwards G, Roalson EH. 2007. Diversification of the old world *Salsola* s.l. (Chenopodiaceae): molecular phylogenetic analysis of nuclear and chloroplast data sets and a revised classification. *Int J Plant Sci.* 168: 931–956. doi:10.1086/518263.
- Alessandrini A, Buono V, Longo D, Magni C, Manni QG, Nicoletta G, editors. 2017. *Acta Plantarum Notes 5, Le raccolte di Acta Plantarum*. Boves (Cuneo): Araba Fenice.
- Al-Shehbaz IA, German DA, Mummenhoff K, Moazzeni H. 2014. Systematics, tribal placements, and synopses of the *Malcolmia* s.l. segregates (Brassicaceae). *Harvard Pap Bot.* 19: 53–71. doi:10.3100/hpib.v19iss1.2014.n4.
- APG IV. 2016. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV. *Bot J Linn Soc.* 181: 1–20. doi:10.1111/j.1095-8339.2009.00996.x.
- Aquaro G, Caparelli KF, Peruzzi L. 2008. The genus *Taraxacum* (Asteraceae) in Italy. I. A systematic study of *Taraxacum* sect. *Palustria*. *Phytol Balcan.* 14: 61–67.
- Aquaro G, Caparelli KF, Peruzzi L. 2009. The genus *Taraxacum* (Asteraceae) in Italy. II. Five new species of *Taraxacum* sect. *Erythrocarpa*. In: Ivanova D, editor. *Plant, fungal and habitat diversity investigation and conservation*. Proceedings of IV Balcan Botanical Congress, Sofia, June 20–26, 2006. Sofia: Institute of Botany, p. 160–168.
- Ardenghi NMG, Foggi B. 2015. Lectotypification and combination of *Festuca apennina* (Poaceae). *Taxon.* 64: 1038–1041. doi:10.12705/645.14.
- Arrigoni PV. 2006. *Flora dell'Isola di Sardegna 1 [Flora of Sardinia 1]*. Sassari: Carlo Delfino Editore. Italian.
- Arrigoni PV. 2007. Contributo alla conoscenza della flora della Sardegna: nuove specie di *Taraxacum* e altri reperti [Contribution to the knowledge of the flora of Sardinia: new species of *Taraxacum* and other specimens]. *Parlatorea.* 9: 87–94. Italian.
- Arrigoni PV. 2012. Miscellaneous notes about some taxa of the Italian flora. *Webbia.* 67: 37–46. doi:10.1080/00837792.2012.10670907.
- Arrigoni PV, Ferretti G, Padula M. 2006. Due nuove specie di *Taraxacum* dell'Appennino Lucchese (Toscana settentrionale) [Two new species of *Taraxacum* of the Lucchese Apennine (Northern Tuscany)]. *Parlatorea.* 8: 5–9. Italian.
- Arrigoni PV. 2013. *Flora dell'Isola di Sardegna 4 [Flora of Sardinia 4]*. Sassari: Carlo Delfino Editore. Italian.
- Arrigoni PV. 2014. Revisione tassonomica e corologica del genere *Polygala* in Italia [Taxonomic revision of the genus *Polygala* in Italy]. *Inform Bot Ital.* 46: 235–263. Italian.
- Arrigoni PV. 2015. Contribution to the study of the genus *Armeria* (Plumbaginaceae) in the Italian peninsula. *Flora Medit.* 25(Special issue): 7–32.
- Astuti G, Bedini G, Carta A, Roma-Marzio F, Trinco A, Peruzzi L. 2018. Comparative assessment of reproductive traits across different habitats in the endangered Webb's hyacinth (*Bellevalia webbiana* Parl.). *Nat Cons.* 24: 81–92. doi:10.3897/natureconservation.24.20650.
- Astuti G, Brullo S, Domina G, El Mokni R, Giordani T, Peruzzi L. 2017a. Phylogenetic relationships among tetraploid species of *Bellevalia* (Asparagaceae) endemic to South-Central Mediterranean. *Plant Biosyst.* 151: 1120–1128. doi:10.1080/11263504.2017.1320308.
- Astuti G, Cristofolini G, Peruzzi L, Pupillo P. 2014. A new subspecies of *Pulmonaria officinalis* (Boraginaceae) from the Southern Alps. *Phytotaxa.* 186: 148–157. doi:10.11646/phytotaxa.186.3.3.
- Astuti G, Peruzzi L. 2018. Are shoots of diagnostic value in Central European bladderworts (*Utricularia* L., Lentibulariaceae)? *Plant Biosyst.*
- Astuti G, Roma-Marzio F, D'Antraccoli M, Bedini G, Carta A, Sebastiani F, Bruschi P, Peruzzi L. 2017b. Conservation biology of the last Italian population of *Cistus laurifolius* (Cistaceae): demographic structure, genetics and reproductive success. *Nat Cons.* 22: 169–190. doi:10.3897/natureconservation.22.19809.
- Astuti G, Roma-Marzio F, Peruzzi L. 2015. The genus *Picris* (Asteraceae) in southern Italy: contribution to its systematic knowledge. *Phytotaxa.* 207: 106–114. doi:10.11646/phytotaxa.207.1.5.
- Bacchetta G, Brullo S, Congiu A, Fenu G, Garrido JL, Mattana E. 2012a. A new species of *Aquilegia* (Ranunculaceae) from Sardinia (Italy). *Phytotaxa.* 56: 59–64. doi:10.11646/phytotaxa.56.1.9.
- Bacchetta G, Brullo S, D'Emérico S, Pontecorvo C, Salmeri C. 2012b. *Charybdis glaucophylla* (Asparagaceae), a new species from Sardinia. *Phytotaxa.* 69: 16–26. doi:10.11646/phytotaxa.69.1.4.

- Bacchetta G, Carta A, Paradis G, Piazza C, Peruzzi L. 2014. Further insights into the taxonomy of the *Silene nocturna* species complex (Caryophyllaceae): a systematic survey of the taxa from Sardinia and Corsica. *Phytotaxa*. 175: 37–44. doi:10.11646/phytotaxa.175.1.4.
- Bagella S, Peruzzi L, Caria MC, Filigheddu R. 2015. Unraveling the taxonomy and nomenclature *Isoetes histrix* Bory species complex (Isoetaceae, Lycopodiidae). *Turk J Bot*. 39: 383–387. doi:10.3906/bot-1404-121.
- Banasiak Ł, Wojewódzka A, Baczyński J, Reduron JP, Piwczyński M, Kurzyna-Młynik R, Gutaker R, Czarnocka-Cieciura A, Kosmala-Grzechnik S, Spalik K. 2016. Phylogeny of Apiaceae subtribe Daucinae and the taxonomic delineation of its genera. *Taxon*. 65: 563–585. doi:10.12705/653.8.
- Banfi E. 2000. Diversità tassonomica ed eco-corologica alle alte quote in Italia: il caso delle Poaceae. *Ann Mus Civici-Rovereto*. 14(1998): 5–30.
- Banfi E. 2017. *Helictochloa* Romero Zarco. In: Pignatti S, editor. *Flora d'Italia 1* [Flora of Italy 1]. Edagricole: Milano. pp. 633–636. Italian.
- Banfi E, Galasso G, Bartolucci F. 2018. Nomenclatural novelties for the Euro+Med flora. *Nat Hist Sci*. doi:10.4081/nhs.2018.365.
- Banfi E, Galasso G, Foggia B, Kopecký D, Ardenghi NMG. 2017. From *Schedonorus* and *Micropyropsis* to *Lolium* (Poaceae: Loliinae): new combinations and typifications. *Taxon*. 66: 708–717. doi:10.12705/663.11.
- Banfi E, Galasso G, Soldano A. 2005. Notes on systematics and taxonomy for the Italian vascular flora 1. *Atti Soc Ital Sci Nat Mus Civico Storia Nat Milano*. 152: 85–106.
- Banfi E, Galasso G, Soldano A. 2011. Notes on systematics and taxonomy for the Italian vascular flora 2. *Atti Soc Ital Sci Nat Mus Civico Storia Nat Milano*. 146: 219–244.
- Banfi E, Soldano A. 1996. Dati tassonomici e nomenclaturali su Poaceae dell'Europa e del Mediterraneo. *Atti Soc Ital Sci Nat Mus Civico Storia Nat Milano*. 135(2): 379–387.
- Bartolucci F, Conti F. 2013. Taxonomic notes on *Geum micropetalum* Gasp. and *Geum heterocarpum* Boiss. (Rosaceae) in Italy. *Plant Biosyst*. 147: 806–811. doi:10.1080/11263504.2013.829886.
- Bartolucci F, Conti F. 2014. Typification, morphological characterization and distribution of *Knautia gussonei* (Caprifoliaceae). *Phytotaxa*. 167: 104–110. doi:10.11646/phytotaxa.167.1.6.
- Bartolucci F, Conti F. 2016. *Alyssum desertorum* Stapf (Brassicaceae), new for the Italian flora. *Acta Bot Croat*. 75: 149–152. doi:10.1515/botcro-2016-0006.
- Bartolucci F, Conti F, Iamónico D, Del Guacchio E. 2014a. A new combination in *Mcneillia* (Caryophyllaceae) for the Italian flora. *Phytotaxa*. 170: 139–140. doi:10.11646/phytotaxa.170.2.8.
- Bartolucci F, Domina G. 2014. Typification and taxonomic characterization of *Thymus longicaulis* C.Presl (Lamiaceae). *Ann Bot Fenn*. 51: 54–62. doi:10.5735/085.051.0107.
- Bartolucci F, Domina G. 2015. The genus *Thymus* (Lamiaceae) in Sicily. *Plant Biosyst*. 149: 710–719. doi:10.1080/11263504.2015.1057259.
- Bartolucci F, Domina G, Adorni M, Alessandrini A, Angiulli F, Ardenghi NMG, Banfi E, Barberis G, Bedini G, Bonari G, et al. 2016a. Notulae to the Italian native vascular flora: 1. *Ital Bot*. 1: 5–15. doi:10.3897/italianbotanist.1.8780.
- Bartolucci F, Domina G, Adorni M, Argenti C, Astuti G, Bangoni S, Buldrini F, Campochiaro MB, Carruggio F, Cecchi L, et al. 2016b. Notulae to the Italian native vascular flora: 2. *Ital Bot*. 2: 73–92. doi:10.3897/italianbotanist.2.11060.
- Bartolucci F, Domina G, Adorni M, Alessandrini A, Ardenghi NM, Banfi E, Baragliu GA, Bernardo L, Bertolli A, Biondi E, et al. 2017a. Notulae to the Italian native vascular flora: 3. *Ital Bot*. 3: 29–48. doi:10.3897/ib.3.13200.
- Bartolucci F, Domina G, Adorni M, Alessandrini A, Ardenghi NM, Banfi E, Baragliu GA, Bernardo L, Bertolli A, Biondi E, et al. 2017b. Notulae to the Italian native vascular flora: 4. *Ital Bot*. 4: 43–51. doi:10.3897/ib.4.21693.
- Bartolucci F, Galasso G. 2016. A new combination in the genus *Liparis* (Orchidaceae) for the Italian flora. *Phytotaxa*. 265: 92. doi:10.11646/phytotaxa.265.1.10.
- Bartolucci F, Galasso G, Rainer H, Wagensommer RP. 2018. Nomenclatural notes and typification of the name *Viola pseudogracilis* (Violaceae). *Phytotaxa*.
- Bartolucci F, Mráz P. 2016. A new combination in the genus *Thymus* and clarification on the type material of *Th. thracicus* (Lamiaceae). *Phytotaxa*. 263: 161–164. doi:10.11646/phytotaxa.263.2.9.
- Bartolucci F, Oriolo G, Casolo V. 2017c. Typification and taxonomy of *Thymus carstiensis* (Lamiaceae). *Plant Biosyst*. 151: 737–744. doi:10.1080/11263504.2017.1320316.
- Bartolucci F, Peruzzi L. 2012. Typification of *Fritillaria tubiformis* Gren. & Godr. *Fritillaria delphinensis* f. *moggridgei* Planch. and *Fritillaria delphinensis* var. *burnatii* Planch (Liliaceae) from SW Europe. *Candollea*. 67: 23–29. doi:10.15553/c2012v671a2.
- Bartolucci F, Peruzzi L. 2014. *Thymus paronychioides* (Lamiaceae), a neglected species from Sicily belonging to section *Hyphodromi*. *Folia Geobot*. 49: 83–106. doi:10.1007/s12224-013-9156-2.
- Bartolucci F, Peruzzi L, Galasso G, Conti F. 2016c. Checklist aggiornata della flora vascolare autoctona d'Italia [Updated checklist of the Italian native vascular flora]. *Notiz Soc Bot Ital*: 29–30. Italian.
- Bartolucci F, Peruzzi L, Caparelli KF. 2009. A biometric study of *Fritillaria montana* Hoppe ex W.D.J. Koch s.l. (Liliaceae) shows a single polymorphic species, with no infraspecific taxa. *Plant Biosyst*. 143: 516–527. doi:10.1080/11263500902722956.
- Bartolucci F, Peruzzi L, Passalacqua N. 2013. Taxonomic notes and typification of names within the genus *Thymus* L. (Lamiaceae). *Taxon*. 62: 1308–1314. doi:10.12705/626.1.
- Bartolucci F, Peruzzi L, Soldano A. 2014b. Notulae: 2064–2069. In: Bartolucci F, Nepi C, Domina G, Peruzzi L, editors. *Notulae alla checklist della flora vascolare italiana: 16 (2027–2070)* [Notulae to the Italian vascular flora: 16 (2027–2070)]. *Inform Bot Ital*. 46: 81–83. Italian.
- Bartolucci F, Scharfetter A. 2015. *Thymus oenipontanus* Heinr. Braun ex Borbás (Lamiaceae). In: Raab-Straube E von, Raus T, editors. *Euro+Med-Checklist Notulae*, 5. Willdenowia. 45: 455.
- Bartolucci F, Walter J. 2015. Typification of names in the genus *Thymus* L. (Lamiaceae). *Phytotaxa*. 221: 137–147. doi:10.11646/phytotaxa.221.2.3.
- Bena G. 2001. Molecular phylogeny supports the morphologically based taxonomic transfer of the “medicagoid” *Trigonella* species to the genus *Medicago* L. *Plant Syst Evol*. 229: 217–236. doi:10.1007/s006060170.
- Bernardo L, Gargano D, Peruzzi L. 2004. Problemi nella delimitazione delle specie in *Campanula* L. subsect. *Heterophylla* (Wit.) Fed. *Inform Bot Ital*. 36: 516–520.
- Bernardo L, Maiorca G, Roma-Marzio F, Peruzzi L. 2018. *Alyssum doerfleri* Degen (Brassicaceae), new for the Italian flora. *Phytotaxa*. 334: 10–18. doi:10.11646/phytotaxa.334.1.2.
- Bertolli A, Prosser F, editors. 2014. *Segnalazioni floristiche tridentine IX*. *Ann Mus Civici-Rovereto*. 29: 131–174.
- Blösch C, Dickoré WB, Samuel R, Stuessy T. 2010. Molecular phylogeny of the Edelweiss (*Leontopodium*, Asteraceae – Gnaphalieae). *Edinburgh J Bot*. 67: 235–264. doi:10.1017/S0960428610000065.
- Borzatti von Loewenstern A, Giordani T, Astuti G, Andreucci A, Peruzzi L. 2013. Phylogenetic relationships of Italian *Bellevalia* species (Asparagaceae), inferred from morphology, karyology and molecular systematics. *Plant Biosyst*. 147: 776–787. doi:10.1080/11263504.2013.829884.
- Botschantzev VP. 1975. Species subsectionis *Vermiculatae* Botsch. sectionis *Caroxylon* (Thunb.) Fenzl generis *Salsola* L. *Novosti Sist Nizsh Rast*. 12: 160–194.
- Boudrie M, Viane RLL. 2012. Lectotypification, orthographe et auteurs d'*Asplenium foreziense* Legrand ex Magnier (Aspleniaceae, Pteridophyta). *Bull Lias Soc Bot Alsace*, Num Spec: 113–128.
- Boulos L. 1995. *Flora of Egypt*. Checklist. Cairo: Al Hadara Publishing.
- Bovio M. 2014. *Flora vascolare della Valle d'Aosta* [Vascular flora of Valle d'Aosta]. Sarre: Testolin editore. Italian.
- Brullo S. 1993. *Campanula marcenoi* (Campanulaceae), a new species from Sicily. *Candollea*. 48: 493–500.
- Brullo C, Brullo S, Gaskin JF, Giusso G, Hrusa GF, Salmeri C. 2015a. A new species of *Kali* (Salsoloideae, Chenopodiaceae) from Sicily, supported by molecular analysis. *Phytotaxa*. 201: 256–277. doi:10.11646/phytotaxa.201.4.2.
- Brullo C, Brullo S, Giusso del Galdo G, Guarino R, Iamónico D. 2013. Il genere *Salsola* s.l. (Chenopodiaceae) in Italia [The genus *Salsola* s.l. (Chenopodiaceae) in Italy]. In: Peccenini S, Domina G, editors. *Contributi alla ricerca floristica in Italia* [Contributions to the floristics in Italy]. Palermo: Euroservice Punto Grafica; p. 35–38. Italian.
- Brullo S, Guarino R. 2017. *Allium* L. In: Pignatti S, editor. *Flora d'Italia 1* [Flora of Italy 1]. Edagricole: Milano. p. 238–268. Italian.

- Brullo S, Guglielmo A, Pavone P, Salmeri C. 2008. Taxonomic study on *Allium dentiferum* Webb & Berthel. (Alliaceae) and its relations with allied species from the Mediterranean. *Taxon*. 57: 243–253. doi:10.2307/25065965.
- Brullo S, Tomaselli V, Wagensommer RP. 2015b. A new species of *Odontites* (Orobanchaceae) from southern Italy. *Phytotaxa*. 213: 271–281. doi:10.11646/phytotaxa.213.3.7.
- Browicz K. 1963. The genus *Colutea* L. A monograph. *Monogr Bot*. 14: 61–136.
- Brundu G, Peruzzi L, Domina G, Bartolucci F, Galasso G, Peccenini S, Raimondo FM, Albano A, Alessandrini A, Banfi E, et al. 2017. At the intersection of cultural and natural heritage: distribution and conservation of the type localities of Italian endemic vascular plants. *Biol Conserv*. 214: 109–118. doi:10.1016/j.biocon.2017.07.024.
- Businský R, Kirschner J. 2006. Nomenclatural notes on the *Pinus mugo* complex in Central Europe. *Phyton (Horn)* 46: 129–139.
- Businský R, Kirschner J. 2010. *Pinus mugo* and *P. uncinata* as parents of hybrids: a taxonomic and nomenclatural survey. *Phyton (Horn)*: 27–57.
- Buttler KP, Hand R. 2008. Liste der Gefäßpflanzen Deutschlands [List of vascular plants of Germany]. *Kochia Beih*. 1: 1–107. German.
- Calvo J, Álvarez I, Aedo C. 2015. Systematics of *Senecio* section *Crociseris* (Compositae, Senecioneae). *Phytotaxa*. 211: 1–105. doi:10.11646/phytotaxa.211.1.1.
- Campanile G. 1926. Sopra alcune specie di *Cuscuta* della sezione *Clistogramma* [On some species of *Cuscuta* section *Clistogramma*]. *Ann Bot (Roma)* 16: 357–379. Italian.
- Carine MA, Francisco-Ortega J, Santos-Guerra A, Russell SJ. 2004. Relationships of island and continental floras: molecular evidence for multiple colonisations into Macaronesia and subsequent back-colonisation of the continent in *Convolvulus* L. *Am J Bot*. 91: 1070–1085. doi:10.3732/ajb.91.7.1070.
- Carlesi V, Peruzzi L. 2012. The genus *Taraxacum* (Asteraceae, Cichorieae) in Italy IV. Two new species of *T.* sect. *Palustria*. *Willdenowia*. 42: 191–197. doi:10.3372/wi.42.42204.
- Carta A, Savio L, Bedini G, Peruzzi L, Fisogni A, Galloni M. 2016. All in an afternoon: mixed mating system in one-day lasting flowers of *Hypericum elodes* (Hypericaceae). *Plant Biosyst*. 150(5): 1001–1009.
- Catalán P, Müller J, Hasterok R, Jenkins G, Mur LA, Langdon T, Betekhtin A, Siwinska D, Pimentel M, López-Álvarez D. 2012. Evolution and taxonomic split of the model grass *Brachypodium distachyon*. *Ann Bot (Oxford)* 109: 385–405. doi:10.1093/aob/mcr294.
- Catalán P, López-Álvarez D, Bellosta C, Villar L. 2016. Updated taxonomic descriptions, iconography, and habitat preferences of *Brachypodium distachyon*, *B. stacei*, and *B. hybridum* (Poaceae). *An Jard Bot Madrid*. 73: e028. doi:10.3989/ajbm.2428.
- Cecchi L, Selvi F. 2017. Flora Critica d'Italia. Boraginaceae – Boragineae, vers. 1.0. doi:10.17773/Fl_Ita_Boragineae1.0. <http://www.floraditalia.it>.
- Celesti-Grapow L, Alessandrini A, Arrigoni PV, Banfi E, Bernardo L, Bovio M, Brundu G, Cagiotti MR, Camarda I, Carli E, et al. 2009. Inventory of the non-native flora of Italy. *Plant Biosyst*. 143: 386–430. doi:10.1080/11263500902722824.
- Christenhusz MJM, Govaerts R, David JC, Hall T, Borland K, Roberts PS, Tuomisto A, Buerki S, Chase MW, Fay MF. 2013. Tiptoe through the tulips – cultural history, molecular phylogenetics and classification of *Tulipa* (Liliaceae). *Bot J Linn Soc*. 172: 280–328. doi:10.1111/boj.12061.
- Christenhusz MJM, Reveal JL, Farjon A, Gardner MF, Mill RR, Chase MW. 2011. A new classification and linear sequence of extant gymnosperms. *Phytotaxa*. 19: 55–70. doi:10.11646/phytotaxa.19.1.3.
- Conti F. 2010. A new species of *Lathyrus* L. (Fabaceae) from Central Apennine (Italy). *Plant Biosyst*. 144: 814–818. doi:10.1080/11263504.2010.523931.
- Conti F, Abbate G, Alessandrini A, Blasi C, editors. 2005. An annotated checklist of the Italian vascular flora. Rome: Palombi Editore.
- Conti F, Alessandrini A, Bacchetta G, Banfi E, Barberis G, Bartolucci F, Bernardo L, Bouvet D, Bovio M, Del Guacchio E, et al. 2007. Integrazioni alla checklist della flora vascolare italiana [Integrations to the Italian vascular flora]. *Nat Vicentina*. 10(2006): 5–74. Italian.
- Conti F, Bartolucci F. 2012. Two new combinations in *Malva* (Malvaceae). *Ann Bot Fenn*. 49: 123–124. doi:10.5735/085.049.0121.
- Conti F, Bartolucci F. 2017. *Ranunculus giordanoi* sp. nov. from the *R. auricomus* complex (Ranunculaceae), central Apennines (Italy). *Nord J Bot*. 35: 322–327. doi:10.1111/njb.01433.
- Conti F, Bartolucci F, Tomović G, Lakušić D. 2012. *Jacobaea vulgaris* subsp. *gotlandica* (Compositae), new for Italy and Montenegro. *Bot Serbica*. 36: 145–147.
- Conti F, Bernardo L, Velari TC, Kosovel V, Feoli CL. 2014. Morphometric and karyological study of *Genista sericea* (Cytiseae-Fabaceae). *Phytotaxa*. 181: 61–78. doi:10.11646/phytotaxa.181.2.1.
- Conti F, Di Santo D, Giovi E, Tinti D. 2008. *Goniolimon italicum* Tammaro, Pignatti & Frizzi. *Inform Bot Ital*. 40(Suppl. 1): 79–81.
- Conti F, Falcinelli F, Palermo D, Paolucci M, Paris P, Domina G, Manzi A, Gallo L, Tondi G, Pennesi R, et al. 2018a. Integrazioni alla flora vascolare dell'Italia centrale. Secondo contributo. *Nat Hist Sci*.
- Conti F, Giordano C, Moraldo B, Ricceri C. 2011. Contribution to the taxonomy of the Italian and Balkanic taxa in the *Centaurea rupestris* group (Asteraceae). *Ann Bot Fenn*. 48: 193–218.
- Conti F, Guglielmone L, Pennesi R, Bartolucci F. 2016. Typification of the names *Astragalus vulnerarioides*, basionym of *Anthyllis vulneraria* subsp. *vulnerarioides* (Fabaceae) and notes on its distribution. *Phytotaxa*. 261: 298–300. doi:10.11646/phytotaxa.261.3.12.
- Conti F, Pennesi R, Uzunov D, Brachetti L, Bartolucci F. 2018b. A new species of *Oxytropis* (Fabaceae) from Central Apennine (Italy). *Phytotaxa*.
- Conti F, Uzunov D. 2011. *Crepis magellensis* F.Conti & Uzunov (Asteraceae), a new species from Central Apennine (Abruzzo, Italy). *Candollea*. 66: 81–86. doi:10.15553/c2011v661a5.
- Crespo MB, Martínez-Azorín M, Mavrodiev EV. 2015. Can a rainbow consist of a single colour? A new comprehensive generic arrangement of the *Iris sensu latissimo* clade (Iridaceae), congruent with morphology and molecular data. *Phytotaxa*. 232: 1–78. doi:10.11646/phytotaxa.232.1.1.
- Cristofolini G, Troia A. 2006. A reassessment of the sections of the genus *Cytisus* Desf. (Cytiseae, Leguminosae). *Taxon*. 55: 733–746. doi:10.2307/25065647.
- D'Antraccoli M, Roma-Marzio F, Astuti G, Maccioni S, Peruzzi L. 2017. Lectotypification of the name *Fimbristylis cioniana* (Cyperaceae). *Phytotaxa*. 303: 194–196. doi:10.11646/phytotaxa.303.2.10.
- Danihelka J, Chrtěk J Jr, Kaplan Z. 2012. Checklist of vascular plants of the Czech Republic. *Preslia*. 84: 647–811.
- Das S, Iamónico D. 2014. *Amaranthus bengalense* (Amaranthaceae) a new species from India, with taxonomical notes on *A. blitum* aggregate. *Phytotaxa*. 181: 293–300. doi:10.11646/phytotaxa.181.5.4.
- Del Guacchio E, Caputo P. 2013a. Taxonomic notes on *Asperula* sect. *Cynanchicae* (Rubiaceae). *Taxon*. 62: 394–400. doi:10.12705/622.9.
- Del Guacchio E, Caputo P. 2013b. (2136–2137) Proposal to reject the names *Asperula aristata* subsp. *scabra* and *A. longiflora* (*A. aristata* subsp. *longiflora*) (Rubiaceae). *Taxon*. 62: 409–410. doi:10.12705/622.24.
- Del Guacchio E, Gargiulo R, Caputo P. 2017. *Asperula calabra* (Rubiaceae) and allied taxa in southern Apennines, Italy. *Plant Biosyst*. 151: 352–360. doi:10.1080/11263504.2016.1174175.
- De Castro O, Innangi M, Di Maio A, Menale B, Bacchetta G, Pires M, Noble V, Gestri G, Conti F, Peruzzi L. 2016. Disentangling species relationships in a hotspot of diversity: the butterworts (*Pinguicula* L., Lentibulariaceae) endemic to Italy. *PLoS ONE*. 11(12): e0167610. doi:10.1371/journal.pone.0167610.
- Desfayes M. 2011. Notulae alla checklist della flora vascolare italiana 11: (1778–1780) [Notulae to the Italian native vascular flora: 11 (1778–1780)]. *Inform Bot Ital*. 43: 131–132. Italian.
- Devos N, Raspé O, Jacquemart A-N, Tyteca D. 2006. On the monophyly of *Dactylorhiza* Necker ex Nevski (Orchidaceae): is *Coeloglossum viride* (L.) Hartman a *Dactylorhiza*? *Bot J Linn Soc*. 152: 261–269. doi:10.1111/j.1095-8339.2006.00561.x.
- Dillenberger MS, Kadereit JW. 2014. Maximum polyphyly: multiple origins and delimitation with plesiomorphic characters require a new circumscription of *Minuartia* (Caryophyllaceae). *Taxon*. 63: 64–88. doi:10.12705/631.5.
- Dillenberger MS, Kadereit JW. 2015. A revision of *Facchinia* (*Minuartia* s.l., Caryophyllaceae). *Edinburgh J Bot*. 72: 353–389. doi:10.1017/S0960428615000153.
- Dimopoulos P, Raus Th, Bergmeier E, Constantinidis Th, Iatrou G, Kokkini S, Strid A, Tzanoudakis D. 2013. Vascular plants of Greece: an annotated checklist. Berlin; Athens: Botanic Garden and Botanical Museum Berlin-Dahlem; Hellenic Botanical Society.

- Dimopoulos P, Raus Th, Bergmeier E, Constantinidis Th, Iatrou G, Kokkini S, Strid A, Tzanoudakis D. 2016. Vascular plants of Greece: an annotated checklist. Supplement. Willdenowia. 46: 301–347. doi:10.3372/wi.46.46303.
- Di Pietro R, Di Marzio P, Misano G, Silletti G, Wagensommer RP, Fortini P. 2016. Evidence from multivariate morphometric study of the *Quercus pubescens* complex in southeast Italy. Bot Serbica. 40: 83–10. doi:10.5281/zenodo.48865.
- Di Pietro R, Kuzmanović N, Iamónico D, Lakušić D. 2017. Nomenclatural and taxonomic notes on *Sesleria* sect. *Argenteae* (Poaceae). Phytotaxa. 309: 101–117. doi:10.11646/phytotaxa.309.2.1.
- Di Pietro R, Viscosi V, Peruzzi L, Fortini P. 2012. A review of the application of the name *Quercus dalechampii*. Taxon. 61: 1311–1316.
- Doll R. 1973. Revision der sect. *Erythrosperma* Dahlst. emend. Lindb.f. der Gattung *Taraxacum* Zinn [Revision of the sect. *Erythrosperma* Dahlst. emend. Lindb.f. of the genus *Taraxacum*]. Feddes Repert 83. p. 673–740. German.
- Domina G. 2017. *Phelipanche*. In: Raab-Straube von E, Raus T, editors. Euro+Med-Checklist Notulae, 7. Willdenowia. 47: 89–96. doi: 10.3372/wi.47.47112.
- Domina G, Bazan G, Campisi P, Greuter W. 2015. Taxonomy and conservation in higher plants and bryophytes in the Mediterranean area. Biodivers. J 6: 197–204.
- Domina G, Giusso Del Galdo G, Gargano D, Labra M, Peccenini S, Peruzzi L, Raimondo FM. 2012. The Italian Loci Classici Census. Taxon. 61: 1351–1353.
- Domina G, Greuter W, Mazzola P, Raimondo FM. 2014. Names of Italian vascular plants published by Michele Lojacono Pojero. Flora Medit. 24: 215–232.
- Domina G, Greuter W, Raimondo FM. 2016. Types of names of taxa belonging to the *Centaurea cineraria* group (Compositae) described from Sicily. Willdenowia. 46: 23–26. doi:10.3372/wi.46.46102.
- Domina G, Greuter W, Raimondo FM. 2017a. A taxonomic reassessment of the *Centaurea busambarensis* complex (Compositae, Cardueae), with description of a new species from the Egadi Islands (W Sicily). Israel J Plant Sci. doi:10.1080/07929978.2016.1257146.
- Domina G, Scafidi F, Gargano ML. 2017b. Typification of the name *Erodium soluntinum* Tod. (Geraniaceae) and its taxonomic implications. Phytotaxa. 329: 219–292. doi:10.11646/phytotaxa.329.3.12.
- Domina G, Soldano A. 2015. *Orobancha apuana* (Orobanchaceae) a new species endemic to Italy. Phytotaxa. 207: 163–171. doi:10.11646/phytotaxa.207.2.2.
- Dunkel FG. 2010. The *Ranunculus auricomus* L. complex (Ranunculaceae) in Northern Italy. Webbia. 65: 179–227. doi:10.1080/00837792.2010.10670873.
- Dunkel FG. 2011. The *Ranunculus auricomus* L. complex (Ranunculaceae) in Central and Southern Italy, with additions to North Italian taxa. Webbia. 66: 165–193. doi:10.1080/00837792.2011.10670895.
- Dunkel FG, Poldini L. 2016. *Ranunculus farraensis* sp. nov., a new species of the *Ranunculus auricomus* complex (Ranunculaceae) in northeastern Italy – revealed by herbarium revision and still extant. Webbia. 71: 197–201. doi:10.1080/00837792.2016.1189129.
- Euro+Med. 2006 onwards. Euro+Med Plantbase – the information resource for Euro-Mediterranean plant diversity. <http://ww2.bgbm.org/EuroPlusMed/>.
- Fenaroli F, Pistarino A, Peruzzi L, Cellinese N. 2013. *Campanula martinii* (Campanulaceae), a new species from northern Italy. Phytotaxa. 111: 27–38. doi:10.11646/phytotaxa.111.1.2.
- Fenu G, Bacchetta G, Giacanelli V, Gargano D, Montagnani C, Orsenigo S, Cogoni D, Rossi G, Conti F, Santangelo A, et al. 2017. Conserving plant diversity in Europe: outcomes, criticisms and perspectives of the Habitats Directive application in Italy. Biodivers Conserv. 26: 309–328. doi:10.1007/s10531-016-1244-1.
- Festi F. 2000. Chiave d'identificazione per le specie italiane del genere *Alchemilla* L. (Rosaceae). Ann Mus Civici-Rovereto. 14(1): 105–174.
- Frajman B, Schönswetter P. 2017. Amphio-Adriatic distributions in plants revisited: Pleistocene trans-Adriatic dispersal in the *Euphorbia barrelieri* group (Euphorbiaceae). Bot J Linn Soc. 185(2): 240–252. doi:10.1093/botlinnean/box055.
- Fraser-Jenkins CR. 2007. The species and subspecies in the *Dryopteris affinis* group. Fern Gaz. 18: 1–26.
- Fröhner SE, Bona E, Federici G, Martini F. 2012. Contributo alla conoscenza del gen. *Alchemilla* sulle Alpi italiane: Alpi Retiche Meridionali, Prealpi Lombarde Centrali e Orientali. Inform Bot Ital. 44: 3–73.
- Fridlender A. 2009. *Colchicum verlaqueae* Fridlender: un colchique nouveau endémique du littoral sarde [*Colchicum verlaqueae* Fridlender: a new endemic *Colchicum* from Sardinia]. Bull Mens Soc Linn Lyon. 78: 111–117. French.
- Fridlender A. 2016. Corrigenda to “Is it possible to identify *Colchicum neapolitanum* s.l. and *C. autumnale* s.l. in vegetative stage? Biometry and flow cytometry approaches”. Bot Serbica. 38: 43–56.
- Galasso G, Bartolucci F. 2014. Notula: 2070. In: Barberis G, Nepi C, Peccenini S, Peruzzi L, editors. Notulae alla checklist della flora vascolare italiana [Notulae to the Italian native vascular flora]: 17 (2027–2070). Inform Bot Ital. 46: 83. Italian.
- Galasso G, Bartolucci F. 2015. Four new combinations in *Jacobaea* Mill. (Asteraceae, Senecioneae) for the European flora. Nat Hist Sci. 2: 95–96. doi:10.4081/nhs.2015.246.
- Galasso G, Bartolucci F, Peruzzi L, Ardenghi NMG, Banfi E, Celesti-Grappo L, Conti F. 2016a. Checklist aggiornata della flora vascolare alloctona d'Italia [Updated checklist of the Italian alien vascular flora]. Notiz Soc Bot Ital: 49–50. Italian.
- Galasso G, Domina G, Ardenghi NMG, Arrigoni P, Banfi E, Bartolucci F, Bonari G, Buccomino G, Ciaschetti G, Conti F, et al. 2016b. Notulae to the Italian alien vascular flora: 2. Ital Bot. 2: 55–71. doi:10.3897/italianbotanist.2.11144.
- Galasso G, Montoleone E, Federico C. 2014. *Pescicaria senegalensis* (Polygonaceae), entità nuova per la flora italiana, e chiave di identificazione delle specie del genere *Pescicaria* in Italia. Nat Hist Sci. 1: 13–18. doi:10.4081/nhs.2014.62.
- Gallo L, Conti F. 2015. On the true identity of the plants recently referred to *Sedum nevadense* (Crassulaceae) in Abruzzo (Italy). Phytotaxa. 239: 43–54. doi:10.11646/phytotaxa.239.1.4.
- Gargiulo R, Del Guacchio E, Caputo P. 2015. Phylogenetic reconstruction of *Asperula* sect. *Cynanchicae* (Rubiaceae) reveals a mosaic of evolutionary histories. Taxon. 64: 754–769. doi:10.12705/644.7.
- Garrido JL, Fenu G, Mattana E, Bacchetta G. 2012. Spatial genetic structure of *Aquilegia* taxa endemic to the island of Sardinia. Ann Bot (Oxford). 109: 953–964. doi:10.1093/aob/mcs011.
- Gatto A, De Paola D, Bagnoli F, Vendramin GG, Sonnante G. 2013. Population structure of *Cynara cardunculus* complex and the origin of the conspecific crops artichoke and cardoon. Ann Bot (Oxford). 112: 855–865. doi:10.1093/aob/mct150.
- Giardina G, Raimondo FM, Spadaro V. 2007. A catalogue of plants growing in Sicily. Bocconea. 20: 5–582.
- GIROS. 2016. Orchidee d'Italia. Guida alle orchidee spontanee [Orchids of Italy. Guide to Italian native orchids]. Milano: Ed Il Castello. Italian.
- Glon HE, Shiels DR, Linton E, Starr JR, Shorkey AL, Fleming S, Lichtenwald SK, Schick ER, Pozo D, Monfils AK. 2017. A five gene phylogenetic study of Fuireneae (Cyperaceae) with a revision of *Isolepis humillima*. Syst Bot. 42: 26–36. doi:10.1600/036364417X694601.
- Griebel N. 2010. Die Orchideen der Abruzzen [The orchids from Abruzzo]. Ber Arbeitskreis Heimische Orchid. 27: 112–159. German.
- Güner A, Aslan S, Ekim T, Vural M, Babaç MT, editors. 2012. Türkiye Bitkileri Listesi (Damarlı Bitkiler) [List of Turkey plants]. Istanbul: Nezahat Gökyiğit Botanic Garden and Flora Research Society Publishing. Turkish.
- Güner A, Özhatay N, Ekim T, Başer KHC. 2000. Flora of Turkey and the East Aegean Islands. Vol. 11. Edinburgh: Edinburgh University Press.
- Hamilton CW, Reichard SH. 1992. Current practice in the use of subspecies, variety, and forma in the classification of wild plants. Taxon. 41: 485–498.
- Hand R. 2001. Revision der in Europa vorkommenden Arten von *Thalictrum* subsectio *Thalictrum* (Ranunculaceae). Bot Naturschutz Hessen. 9: 1–358.
- Harber J, Raab-Straube E von. 2015. Berberidaceae. In: Euro+Med Plantbase – the information resource for Euro-Mediterranean plant diversity. <http://ww2.bgbm.org/EuroPlusMed/>.
- Harpke D, Carta A, Tomović G, Randelović V, Randelović N, Blattner FR, Peruzzi L. 2015. Phylogeny, karyotype evolution and taxonomy of *Crocus* ser. *Verni* (Iridaceae). Plant Syst Evol. 301: 309–325. doi:10.1007/s00606-014-1074-0.

- Harpke D, Kerndorff H, Pasche E, Peruzzi L. 2016. Neotypification of the name *Crocus biflorus* Mill. (Iridaceae) and its consequences in the taxonomy of the genus. *Phytotaxa*. 260: 131–143. doi:10.11646/phytotaxa.260.2.3.
- Harpke D, Peruzzi L, Kerndorff H, Karamplianis T, Constantinidis T, Randelović V, Randelović N, Jušković M, Pasche E, Blattner FR. 2014. Phylogeny, geographic distribution and new taxonomic circumscription of the *Crocus reticulatus* species group (Iridaceae). *Turk J Bot*. 38: 1182–1198. doi:10.3906/bot-1405-60.
- Hassemer G, Meudt HM, Rønsted N. 2017. Nomenclatural and taxonomic notes on Mediterranean narrow-leaved plantains (*Plantago* section *Maritima*, Plantaginaceae). *Webbia*. 72: 197–205. doi:10.1080/00837792.2017.1349066.
- Hempel W. 2011. Revision und Phylogenie der Arten der Gattung *Melica* L. (Poaceae) in Eurasien und Nordafrika [Revision and phylogeny of the genus *Melica* L. (Poaceae) in Eurasia and North Africa]. *Feddes Repert*. 122: 1–253. German.
- Hernández-Ledesma P, Berendsohn WG, Borsch T, von Mering S, Akhani H, Arias S, Castañeda-Noa I, Eggli U, Eriksson R, Flores-Olvera H, et al. 2015. A taxonomic backbone for the global synthesis of species diversity in the angiosperm order Caryophyllales. *Willdenowia*. 45: 281–383. doi:10.3372/wi.45.45301.
- Hauenschild F, Favre A, Salazar GA, Muellner-Riehl AN. 2016. Analysis of the cosmopolitan buckthorn genera *Frangula* and *Rhamnus* s.l. supports the description of a new genus, *Ventia*. *Taxon*. 65: 65–78. doi:10.12705/651.5.
- Herrando-Moraira S, Carnicero P, Blanco-Moreno JM, Sáez L, Vela E, Vilatersana R, Galbany-Casals M. 2017. Systematics and phylogeography of the Mediterranean *Helichrysum pendulum* complex (Compositae) inferred from nuclear and chloroplast DNA and morphometric analyses. *Taxon*. 66: 909–933. doi:10.12705/664.7.
- Iamónico D. 2010a. *Malva subovata* subsp. *bicolor*, comb. & stat. nov. (Malvaceae). *Ann Bot Fenn*. 47: 312–314. doi:10.5735/085.047.0409.
- Iamónico D. 2010b. Confirmation of the occurrence of *Chenopodium strictum* subsp. *strictum* (Amaranthaceae s. l.) in Italy. *Phyton* (Horn) 49: 235–240.
- Iamónico D. 2012. Note sul genere *Polycnemum* (Amaranthaceae) in Italia. In: Peccenini S, Domina G, Salmeri C, editors. *Flora vascolare d'Italia: studi biosistemati, taxa endemici e loci classici* [Notes on the genus *Polycnemum* in Italy]. Palermo: Euroservice Punto Grafica. p. 31–32. Italian.
- Iamónico D. 2013a. Taxonomical and chorological study on the Central Mediterranean Basin endemic *Arenaria bertolonii* Fiori & Paol. (Caryophyllaceae). *Plant Biosyst*. 147: 923–930. doi:10.1080/11263504.2012.753956.
- Iamónico D. 2013b. *Chenopodium* L. *sensu lato* (Chenopodiaceae, Chenopodioidae) nella flora vascolare italiana: chiave analitica dei generi. *Inform Bot Ital*. 45: 83–88.
- Iamónico D. 2013c. Studies on the genus *Atriplex* L. (Amaranthaceae) in Italy. V. *Atriplex tornabenei*. *Phytotaxa*. 145: 54–60. doi:10.11646/phytotaxa.145.1.6.
- Iamónico D. 2013d. *Polycnemum verrucosum* (Amaranthaceae), first record for the Italian flora and comparison with related species *P. arvense*. *Hacquetia*. 12: 5–9. doi:10.2478/HACQ-2013-0001.
- Iamónico D. 2014a. *Lavatera stenopetala* subsp. *plazzae* comb. et stat. nov., endemic taxon from north–western Sardinia (Italy). *Plant Ecol Evol*. 147: 293–298. doi:10.5091/pleveo.2014.920.
- Iamónico D. 2014b. *Arenaria tenuifolia* versus *Arenaria hybrida* (Caryophyllaceae): nomenclatural study and taxonomic implications. *Phytotaxa*. 173: 235–240. doi:10.11646/phytotaxa.173.3.6.
- Iamónico D. 2014. Taxonomical, morphological, ecological and chorological notes on *Oxybasis chenopodioides* and *O. rubra* (Chenopodiaceae) in Italy. *Hacquetia*. 13: 297–302. doi:10.2478/hacq-2014-0004.
- Iamónico D. 2015. Taxonomic revision of the genus *Amaranthus* (Amaranthaceae) in Italy. *Phytotaxa*. 199: 1–84. doi:10.11646/phytotaxa.199.1.1.
- Iamónico D. 2016a. Nomenclatural notes and morphological observations on *Malva subovata* s.l. (Malvaceae). *Phytotaxa*. 275: 23–34. doi:10.11646/phytotaxa.275.1.3.
- Iamónico D. 2016b. Nomenclatural notes on four Linnaean names in *Arenaria* (Caryophyllaceae). *Taxon*. 65: 610–616. doi:10.12705/653.13.
- Iamónico D. 2016c. A new name in *Sagina*, *Sagina alexandrae* (Caryophyllaceae). *Phytotaxa*. 282: 164–165. doi:10.11646/phytotaxa.282.2.8.
- Iamónico D. 2017. *Agrimonia eupatoria* subsp. *major* stat. nov. (Rosaceae) and notes on the *Agrimonia eupatoria* aggregate. *Phytotaxa*. 298: 165–172. doi:10.11646/phytotaxa.298.2.6.
- Iamónico D, Bartolucci F, Conti F. 2016a. New combinations in the genus *Siler* (Apiaceae) for the Italian Flora. *Phytotaxa*. 268: 89–90. doi:10.11646/phytotaxa.268.1.9.
- Iamónico D, Bartolucci F, Peruzzi L. 2015. *Malva stenopetala* subsp. *plazzae* (Atzei) Iamónico, Bartolucci & Peruzzi, comb. nov. In: Raab-Straube E von, Raus Th, editors. *Euro+Med-Checklist Notulae*, 4 [Notulae ad floram euro-mediterraneam pertinentes 33]. *Willdenowia*. 45: 123.
- Iamónico D, Domina G. 2015. Nomenclatural notes on the *Polycarpon tetraphyllum* aggregate (Caryophyllaceae). *Plant Biosyst*. 149: 720–727. doi:10.1080/11263504.2015.1057260.
- Iamónico D, Giovi E, Iberite M, Abbate G. 2011. Typification of *Trifolium latium* Sebast. (Fabaceae) and comparison with related species. *Ann Bot Fennici*. 48: 459–464.
- Iamónico D, Guarino R, Ilardi V, Pignatti S. 2016b. A revision of *Helichrysum panormitanum* s.l. (Asteraceae) in the Italian and Maltese floras. *Phytotaxa*. 286: 207–210. doi:10.11646/phytotaxa.286.3.10.
- Iamónico D, Vallariello R, Del Guacchio E. 2017. Nomenclatural and distributional remarks on *Limonium tenoreanum* (Plumbaginaceae), narrow endemic to southern Italy. *Nord J Bot*. 35: 445–448. doi:10.1111/njb.01313.
- Iberite M, Abbate G, Iamónico D. 2017. *Vicia incisa* (Fabaceae): taxonomical and chorological notes. *Ann Bot (Roma)*. 7: 57–65. doi:10.4462/annbotm-13842.
- Iberite M, Iamónico D. 2016. Sull'identità di *Salicornia veneta* (Amaranthaceae) [On the identity of *Salicornia veneta* (Amaranthaceae)]. *Notiz Soc Bot Ital*: 51–52. Italian.
- Iberite M, Iamónico D, Valletta A. 2015. Revised typification of the name *Bupleurum gracile* DC. var. *rollii* Montel. (Apiaceae) and comparison with *B. asperuloides* Heldr., *B. gracile* D'Urv., *B. marschallianum* C. A. Mey and *B. uechtritizianum* S. Stoyanov. *Plant Biosyst*. 149: 78–87. doi:10.1080/11263504.2013.814601.
- Inocencio C, Rivera D, Obón MC, Alcaraz F, Barreña J-A. 2006. A systematic revision of *Capparis* section *Capparis* (Capparaceae). *Ann Missouri Bot Gard*. 93: 122–149. doi:10.3417/0026-6493(2006)93[122:ASROCS]2.0.CO;2.
- IPNI. 2012 onwards. The International Plant Names Index. <http://www.ipni.org>.
- Jauzein P, Tison J-M. 2001. Étude analytique du genre *Allium* L., sous-genre *Codonoprasum* (Reichenb.) Zahar., section *Codonoprasum* Reichenb. en France. *J Bot Soc Fr*. 15: 29–50.
- Kadereit G, Piirainen M, Lambinon J, Vanderpoorten A. 2012. Cryptic taxa should have names: reflections in the glasswort genus *Salicornia* (Amaranthaceae). *Taxon*. 61: 1227–1239.
- Kellogg EA. 2015. The families and genera of vascular plants. Vol. 13. Cham: Springer.
- Kato Y, Aioi K, Omori Y, Takahata N, Satta Y. 2003. Phylogenetic analyses of *Zostera* species based on *rbcl* and *matK* nucleotide sequences: implications for the origin and diversification of the seagrasses in Japanese waters. *Genes Genet Syst*. 78: 329–342. doi:10.1266/ggs.78.329.
- Kirschner J. 2002. *Species Plantarum*. Flora of the world. *Juncus* subg. *Agathryon*. Vol. 8. Canberra: Australian Biological Resources Study. VIII + 192 p.
- Kirschner J, Raab-Straube E von. 2017. *Valeriana officinalis* aggr. In: Raab-Straube E von, Henning T, editors. *Valerianaceae*. *Euro+Med Plantbase – the information resource for Euro-Mediterranean plant diversity*. <http://ww2.bgbm.org/EuroPlusMed/>.
- Kirschner J, Štěpánek J. 1998. A monograph of *Taraxacum* sect. *Palustria*. Průhonice: Institute of Botany, Academy of Sciences, Czech Republic.
- Kirschner J, Štěpánek J, Greuter W. 2007. *Taraxacum*. In: Greuter W, Raab-Straube E von, editors. *Compositae*. *Euro+Med Plantbase – the information resource for Euro-Mediterranean plant diversity*. <http://ww2.bgbm.org/EuroPlusMed/>.
- Klak C, Hanáček P, Bruyns PV. 2017. Disentangling the Aizoioideae: new generic concepts and a new subfamily in Aizoaceae. *Taxon*. 66: 1147–1170. doi:10.12705/665.9.
- Koch MA, Karl R, German DA. 2017. Underexplored biodiversity of Eastern Mediterranean biota: systematics and evolutionary history of the genus *Aubrieta* (Brassicaceae). *Ann Bot*. 119: 39–57.

- Kool A, Thulin M. 2017. A giant spurrey on a tiny island: on the phylogenetic position of *Sanctambrosia manicata* (Caryophyllaceae) and the generic circumscriptions of *Spergula*, *Spergularia* and *Rhodalsine*. *Taxon*. 66: 615–622. doi:10.12705/663.6.
- Lauber K, Wagner G. 2007. *Flora Helvetica*. Bern: Haupt Verlag.
- Li Q-Y, Guo W, Liao W-B, Macklin JA, Li J-H. 2012. Generic limits of Pyrinae: insights from nuclear ribosomal DNA sequences. *Bot Stud*. 53: 151–164.
- Lo EYY, Donoghue MJ. 2012. Expanded phylogenetic and dating analysis of the apples and their relatives (Pyrinae, Rosaceae). *Mol Phyl Evol*. 63: 230–243. doi:10.1016/j.ympev.2011.10.005.
- Lomolino MV. 2004. Conservation biogeography. In: Lomolino MV, Heaney LR, editors. *Frontiers of biogeography: new directions in the geography of nature*. Sunderland, MA: Sinauer Associates. p. 293–296.
- Lucchese F. 1996. Correzioni ed aggiunte alla flora del Molise. *Ann Bot (Roma)*. 54: 1–294.
- Luebert F, Cecchi L, Frohlich MW, Gottschling M, Guiliams CM, Hasenstab-Lehman KE, Hilger HH, Miller JS, Mittelbach M, Nazaire M, et al. 2016. Familial classification of the Boraginales. *Taxon*. 65: 502–522. doi:10.12705/653.5.
- Lye KA. 2003. *Schoenoplectiella* Lye, gen. nov. (Cyperaceae). *Lidia*. 6: 20–29.
- Masin R, Tietto C. 2006. Flora vascolare della Provincia di Padova (Italia Nord-orientale) [Vascular flora of the province of Padova (North-East Italy)]. *Natura Vicentina*. 9(2005): 7–103. Italian.
- Mattana E, Daws MI, Fenu G, Bacchetta G. 2012. Adaptation to habitat in *Aquilegia* species endemic to Sardinia (Italy): seed dispersal, germination, and persistence in the soil. *Plant Biosyst*. 146: 374–383.
- Mazur M, Minissale P, Sciandrello S, Boratyński A. 2016. Morphological and ecological comparison of populations of *Juniperus turbinata* Guss. and *J. phoenicea* L. from the Mediterranean region. *Plant Biosyst*. 150: 313–322. doi:10.1080/11263504.2014.994579.
- McNeill J, Barrie FR, Buck WR, Demoulin V, Greuter W, Hawksworth DL, Herendeen PS, Knapp S, Marhold K, Prado J, et al., editors. 2012. *International Code of Nomenclature for algae, fungi and plants (Melbourne Code) adopted by the Eighteenth International Botanical Congress Melbourne, Australia, July 2011*. Königstein: Koeltz Scientific Books. (Regnum Vegetabile; 154).
- Melai M, Marchetti D, Bernardello R, Peruzzi L. 2012. A new diploid species of *Leucanthemum* (Asteraceae, Anthemideae) from Liguria (northwestern Italy). *Phytotaxa*. 66: 27–37. doi:10.11646/phytotaxa.66.1.5.
- Mercuri AM, Bandini Mazzanti M, Florenzano A. 2013. *Olea*, *Juglans* and *Castanea*: The OJC group as pollen evidence of the development of human-induced environments in the Italian peninsula. *Quat Int*. 303: 24–42.
- Molero J, Montserrat JM. 2005. Nomenclatura de algunas especies del género *Malva* Linnaeus (Malvaceae). *Fontqueria*. 55: 285–292.
- Molins A, Bacchetta G, Rosato M, Roselló JA, Mayol M. 2011. Molecular phylogeography of *Thymus herba-barona* (Lamiaceae): insight into the evolutionary history of the flora of the western Mediterranean islands. *Taxon*. 60: 1295–1305.
- Moore AJ, Dillenberger MS. 2017. A conspectus of the genus *Cherleria* (*Minuartia* s.l., Caryophyllaceae). *Willdenowia*. 47: 5–14. doi:10.3372/wi.47.47101.
- Morretti F, Puppi G, Giuliani C, Conti F. 2015. Heterostyly in *Gonolimon italicum* (Plumbaginaceae), endemic to Abruzzo (central Apennines, Italy). *Anales Jard Bot Madrid*. 72: 1–5. doi:10.3989/ajbm.2365.
- Mosyakin SL. 2017a. The first record of *Salsola paulsenii* (Chenopodiaceae) in Ukraine, with taxonomic and nomenclatural comments on related taxa. *Ukr Bot J*. 74: 409–420. doi:10.15407/ukrbotj74.05.409.
- Mosyakin SL. 2017b. Notes on taxonomy and nomenclature of *Chenopodium acerifolium* and *C. betaceum* (*C. strictum* auct.) (Chenopodiaceae). *Phytotaxa*. 324: 139–154. doi:10.11646/phytotaxa.324.2.3.
- Mosyakin SL. 2017c. Taxonomic and nomenclatural notes on Pontic-Mediterranean coastal and some Australasian taxa of *Salsola* (Chenopodiaceae). *Ukr Bot J*. 74: 521–531. doi:10.15407/ukrbotj74.06.521.
- Mosyakin SL, Freitag H, Rilke S. 2017. *Kali* versus *Salsola*: the instructive story of a questionable nomenclatural resurrection. *Israel J Plant Sci*. 64: 18–30. doi:10.1080/07929978.2016.1256135.
- Mucciarelli M, Rosso P, Noble V, Bartolucci F, Peruzzi L. 2016. A morphometric study and taxonomic revision of *Fritillaria tubaeformis* species complex (Liliaceae). *Plant Syst Evol*. 302: 1329–1343. doi:10.1007/s00606-016-1334-2.
- Nardi E. 2015. Il genere *Aquilegia* L. (Ranunculaceae) in Italia [The genus *Aquilegia* (Ranunculaceae) in Italy]. Firenze: Edizioni Polistampa. Italian.
- Nie Z-L, Funk VA, Meng Y, Deng T, Sun H, Wen J. 2016. Recent assembly of the global herbaceous flora: evidence from the paper daisies (Asteraceae: Gnaphalieae). *New Phytol*. 209: 1795–1806. doi:10.1111/nph.13740.
- Nordenstam B, Greuter W. 2006. *Jacobaea* Mill. *Willdenowia*. 36: 711–713.
- Orsenigo S, Astuti G, Bartolucci F, Citterio S, Conti F, Garrido-Becerra JA, Gentili R, Giusso del Galdo G, Jiménez-Martínez JF, Karrer G, et al. 2017. Global and regional IUCN red list assessments: 3. *Ital Bot*. 3: 83–98. doi:10.3897/italianbotanist.3.13303.
- Özhatay N, Koçyiğit M, Yüzbaşıoğlu S, Gürdal B. 2013. Mediterranean flora and its conservation in Turkey, with special reference to Monocot geophytes. *Flora Medit*. 23: 195–208.
- Özhatay N, Kültür Ş, Gürdal B. 2017. Check-list of additional taxa to the supplement flora of Turkey VIII. *J Pharm Istanbul*. 47: 31–46.
- Padilla-García N, Rojas-Andrés BM, López-González N, Castro M, Castro S, Loureiro J, Albach DC, Machon N, Martínez-Ortega MM. 2018. The challenge of species delimitation in the diploid-polyploid complex *Veronica* subsection *Pentasepalae*. *Mol Phyl Evol*. 119: 196–209. doi:10.1016/j.ympev.2017.11.007.
- Palermo AM, De Vita A, Peruzzi L, Gargano D, Bernardo L, Musacchio A. 2010. Does *Plantago brutia* Ten. (Plantaginaceae) merit specific rank? Insights from cpDNA and nrDNA data. *Plant Biosyst*. 144: 573–581. doi:10.1080/11263501003672496.
- Passalacqua N, Banfi E, Galasso G. 2014. Banca dati delle piante endemiche italiane: protologhi e loci classici [Database of Italian endemic plants: protologues and loci classici]. In: Alessandrello A, editor, *AI Museo per scoprire il mondo. La ricerca scientifica e le esposizioni. Museo Civico di Storia Naturale di Milano [Discovering the World in the museum. The scientific research and the exhibitions. Milan Natural Science Museum] 2010–2013*. *Natura*. 104: 33–38. Italian.
- Passalacqua NG, Peruzzi L, Pellegrino G. 2008. A biosystematic study of the *Jacobaea maritima* group (Asteraceae, Senecioneae) in the Central Mediterranean area. *Taxon*. 57: 893–906.
- Paule J, Sharbel JF, Dobeš C. 2011. Apomictic and sexual lineages of the *Potentilla argentea* L. group (Rosaceae): Cytotype and molecular genetic differentiation. *Taxon*. 60: 721–732.
- Peccenini S. 2012. The genus *Erysimum* (Brassicaceae) in Italy, part I. *Ann Naturhist Mus Wien B*. 112: 95–128.
- Peccenini S, Polatschek A. 2014. The genus *Erysimum* (Brassicaceae) in Italy, part II: description of new species and subspecies. *Ann Naturhist Mus Wien B*. 116: 107–117.
- Peccenini S, Polatschek A. 2016. The genus *Erysimum* (Brassicaceae) in Italy, part III: key to the species and description of the new species *E. apenninum*, *E. etruscum*, *E. pignattii*. *Ann Naturhist Mus Wien B*. 118: 147–166.
- Perazza G, Decarli M, Filippin P, Bruna A, Regattin L. 2012. *Liparis loeselii* subsp. *nemoralis*, a new orchid from Northern-Italy. *J Eur Orch*. 44: 483–508.
- Perazza G, Lorenz R. 2013. Le orchidee dell'Italia nordorientale Atlante corologico e guida al riconoscimento [The orchids of Northeastern Italy. Chorological Atlas and guide to recognition]. Trento: Edizioni Osiride. Italian.
- Perrino EV, Wagensommer RP, Medagli P. 2014. *Aegilops* (Poaceae) in Italy: taxonomy, geographical distribution, ecology, vulnerability and conservation. *Syst Biodivers*. 12: 331–349. doi:10.1080/14772000.2014.909543.
- Persson K. 2007. Nomenclatural synopsis of the genus *Colchicum* (Colchicaceae), with some new species and combinations. *Bot Jahrb Syst*. 127: 165–242. doi:10.1127/0006-8152/2007/0127-0165.
- Persson K. 2008. A new species of *Colchicum* (Colchicaceae) from southern Italy. *Bot Jahrb Syst*. 127: 283–288. doi:10.1127/0006-8152/2008/0127-0283.
- Peruzzi L. 2007. Notula: 1310. In: Conti F, Nepi C, Scoppola A, editors, *Notulae alla checklist della flora vascolare italiana 3: (1267–1310)* [Notulae to the checklist of Italian vascular flora: 3 (1267–1310)]. *Inform Bot Ital*. 39: 252–253. Italian.
- Peruzzi L. 2008. Notulae: 1472–1473. In: Nepi C, Peruzzi L, Scoppola A, editors, *Notulae alla Checklist della flora italiana 5: (1420–1474)* [Notulae

- to the checklist of Italian vascular flora 5: (1420–1474)]. *Inform Bot Ital.* 40. p. 114–115. Italian.
- Peruzzi L. 2011. A new species of *Linum perenne* group (Linaceae) from Calabria (S Italy). *Plant Biosyst.* 145: 938–944. doi:10.1080/11263504.2011.589163.
- Peruzzi L. 2012. Nomenclatural novelties at sectional level in *Gagea* (Liliaceae). *Atti Soc Tosc Sci Nat Mem Ser B.* 118(2011): 23–24.
- Peruzzi L. 2014. Miscellaneous typifications of selected species occurring in Calabria (S Italy). *Phytotaxa.* 178: 50–52. doi:10.11646/phytotaxa.178.1.6.
- Peruzzi L. 2016. *Crocus heuffelianus* (Iridaceae), a new record for the Italian flora. *Phytotaxa.* 261: 291–294. doi:10.11646/phytotaxa.261.3.10.
- Peruzzi L, Adorni M, Dura T, Ghillani L, Pasquali G, Rignanese L, Ronconi D, Teruzzi M. 2012a. *Allium cyrilli* Ten. (Amaryllidaceae): typification, taxonomy and update of the Italian distribution. *Phytotaxa.* 71: 53–58. doi:10.11646/phytotaxa.71.1.11.
- Peruzzi L, Aquaro G, Caparelli KF, Raimondo FM. 2009. The genus *Taraxacum* (Asteraceae) in Italy. III. A new species of *T.* sect. *Erythrocarpa* (Asteraceae) from Sicily. *Flora Medit.* 19: 73–79.
- Peruzzi L, Astuti G, Carta A, Roma-Marzio F, Dolci D, Caldaro F, Bartolucci F, Bernardo L. 2015d. Nomenclature, morphometry, karyology and SEM cypselae analysis of *Carduus brutius* (Asteraceae) and its relatives. *Phytotaxa.* 202: 237–249. doi:10.11646/phytotaxa.202.4.1.
- Peruzzi L, Bartolucci F. 2009. Typification of the names in *Fritillaria montana* complex. *Candollea.* 64: 133–142.
- Peruzzi L, Bartolucci F. 2016. Essere o non essere (una sottospecie): questo è il problema [To be or not to be (a subspecies): this is the question]. *Notiz Soc Bot Ital.* 61–62. Italian.
- Peruzzi L, Bartolucci F, Astuti G, Bernardo L, Conti F. 2013a. *Knautia dinarica* (Caprifoliaceae): taxonomy, typification and update of the Italian distribution. *Phytotaxa.* 116: 36–40. doi:10.11646/phytotaxa.116.1.3.
- Peruzzi L, Bedini G, Andreucci A. 2012b. Homoploid hybrid speciation in *Doronicum* L. (Asteraceae)? Morphological, karyological and molecular evidences. *Plant Biosyst.* 146: 867–877. doi:10.1080/11263504.2011.634445.
- Peruzzi L, Carta A. 2011. *Crocus ilvensis* sp. nov. (sect. *Crocus*, Iridaceae), endemic to Elba Island (Tuscan Archipelago, Italy). *Nord J Bot.* 29: 6–13. doi:10.1111/j.1756-1051.2010.01023.x.
- Peruzzi L, Carta A, Garbari F. 2013b. Lectotypification of the name *Crocus sativus* var. *vernus* L. (Iridaceae) and its consequences within the ser. *Verni*. *Taxon.* 62: 1037–1040. doi:10.12705/625.7.
- Peruzzi L, Conti F, Bartolucci F. 2014a. An inventory of vascular plants endemic to Italy. *Phytotaxa.* 168: 1–75. doi:10.11646/phytotaxa.168.1.1.
- Peruzzi L, Conti F, Bartolucci F. 2014b. Notulae: 2098–2099. In: Barberis G, Nepi C, Peccenini S, Peruzzi L, editors, *Notulae alla checklist della flora vascolare italiana 18 (2071–2099)*. *Inform Bot Ital.* 46: 276–277.
- Peruzzi L, Conti F, Bartolucci F. 2015a. A historical perspective on vascular plants endemic to Italy. *Atti Soc Tosc Sci Nat Mem Ser B.* 121(2014): 89–92.
- Peruzzi L, Di Benedetto C, Aquaro G, Caparelli KF. 2008a. The genus *Sternbergia* Waldst. & Kit. (Amaryllidaceae) in Italy. Contribution to the cytotaxonomical and morpho-anatomical knowledge. *Caryologia.* 61: 107–113.
- Peruzzi L, Domina G, Bartolucci F, Galasso G, Peccenini S, Raimondo FM, Albano A, Alessandrini A, Banfi E, Barberis G, et al. 2015b. An inventory of the names of vascular plants endemic to Italy, their loci classici and types. *Phytotaxa.* 196: 1–217. doi:10.11646/phytotaxa.196.1.1.
- Peruzzi L, Gestri G. 2013. A new butterwort species (*Pinguicula*, Lentibulariaceae) from Northern Apennine (Italy). *Plant Biosyst.* 147: 692–703. doi:10.1080/11263504.2012.756073.
- Peruzzi L, Gestri G, Pierini B. 2014c. Morphological variation in *Astragalus muelleri* (Fabaceae) from Balkan and Italian populations. *Flora Medit.* 24: 139–144.
- Peruzzi L, Innangi M, Tatino F, Santangelo A. 2017. *Fritillaria messanensis* subsp. *gracilis* (Liliaceae), a new record for the Italian flora (S Italy). *Phytotaxa.* 307: 167–170. doi:10.11646/phytotaxa.307.2.11.
- Peruzzi L, Jarvis CE, Carta A. 2014b. On the application of the Linnaean names *Cucubalus reflexus*, *Silene nocturna* and *Silene mutabilis* (Caryophyllaceae). *Taxon.* 63: 651–652.
- Peruzzi L, Passalacqua NG, Jarvis CE. 2006. Typification of the accepted names in the *Jacobaea maritima* Group (Asteraceae). *Taxon.* 55: 1001–1004.
- Peruzzi L, Passalacqua NG. 2008. Taxonomy of the *Onosma echioides* (L.) L. complex (Boraginaceae) based on morphometric analysis. *Bot J Linn Soc.* 157: 763–774. doi:10.1111/j.1095-8339.2008.00827.x.
- Peruzzi L, Peterson A, Tison J-M, Peterson J. 2008b. Phylogenetic relationships of *Gagea* Salisb. (Liliaceae) in Italy, inferred from molecular and morphological data matrices. *Plant Syst Evol.* 276: 219–234.
- Peruzzi L, Pierini B, Magrini S, Andreucci A, Marchetti D, Viane R. 2015c. Three new hybrids of *Ophioglossum* (Ophioglossaceae) from Monte Pisano (Tuscany, Central Italy). *Plant Biosyst.* 149: 737–746. doi:10.1080/11263504.2015.1057264.
- Peruzzi L, Santangelo A, Jarvis CE. 2013c. Lectotypification of Linnaean names in the Italian endemic flora. *Taxon.* 62: 827–829.
- Peruzzi L, Tison J-M, Peterson A, Peterson J. 2008c. On the phylogenetic position and taxonomic value of *Gagea trinervia* (Viv.) Greuter and the whole *G.* sect. *Anthericoides* A.Terracc. (Liliaceae). *Taxon.* 57: 1201–1214.
- Peterson A, Harpke D, Peruzzi L, Tison J-M, John H, Peterson J. 2010. *Gagea bohémica* (Liliaceae), a highly variable monotypic species within sect. *Didymobulbos*. *Plant Biosyst.* 144: 308–322. doi:10.1080/11263500903374625.
- Piirainen M, Liebisch O, Kadereit G. 2017. Phylogeny, biogeography, systematics and taxonomy of Salicornioideae (Amaranthaceae/Chenopodiaceae) – a cosmopolitan, highly specialized hygrophilous lineage dating back to the Oligocene. *Taxon.* 66: 109–132. doi:10.12705/661.6.
- Pinto-Carrasco D, Scheunert A, Heubl G, Rico E, Martínez-Ortega M. 2017. Unravelling the phylogeny of the root-hemiparasitic genus *Odontites* (tribe Rhinanthaeae, Orobanchaceae): evidence for five main lineages. *Taxon.* 66: 886–908. doi:10.12705/664.6.
- Polatschek A. 1999. Flora von Nordtirol, Osttirol und Vorarlberg. Band 2: Samenpflanzen: Brassicaceae bis Euphorbiaceae [Flora of North Tirol, East Tirol and Vorarlberg. Volume 2: Spermatophytes: Brassicaceae to Euphorbiaceae]. Innsbruck: Tiroler Landesmuseum Ferdinandeum. German.
- Poldini L. 2009. Guide alla Flora – IV. La diversità vegetale del Carso fra Trieste e Gorizia. Lo stato dell'ambiente. Le guide di Dryades 5 – Serie Florae IV (F – IV). Trieste: Ed. Goliardiche.
- Poldini L, Oriolo G, Vidali M. 2001. Vascular flora of Friuli-Venezia Giulia. An annotated catalogue and synonymic index. *Stud Geobot.* 21: 3–227.
- PPG I. 2016. A community-derived classification for extant lycophytes and ferns. *J Syst Evol.* 54: 563–603. doi:10.1111/jse.12229.
- Raab-Straube E von, Henning T, Aedo C, Aghababayan M, Ardenghi NMG, Banfi E, Berendsohn WG, Brautigan S, Castroviejo S, Christenhusz M, et al. 2016. Sisyphos close to the mountain top: Euro+Med PlantBase is nearing its completion. Conference: XV OPTIMA Meeting, 6–11 June 2016, Montpellier, France. doi:10.13140/RG.2.1.4121.8803.
- Rankou H, Culham A, Jury SL, Christenhusz MJM. 2013. The endemic flora of Morocco. *Phytotaxa.* 78: 1–69. doi:10.11646/phytotaxa.78.1.1.
- Razifard H, Les DH, Tucker GC. 2017. Reticulate evolution in *Elatine* L. (Elatinaceae), a predominantly autogamous genus of aquatic plants. *Syst Bot.* 42: 87–95. doi:10.1600/036364417X694610.
- Rešetnik I, Frajman B, Schönswetter P. 2016. Heteroploid *Knautia drymeia* includes *K. gussonei* and cannot be separated into diagnosable subspecies. *Am J Bot.* 103: 1–14. doi:10.3732/ajb.1500506.
- Reveal JL. 2011. Summary of recent systems of angiosperm classification. *Kew Bull.* 66: 5–48.
- Rilke S. 1999. Revision der Sektion *Salsola* s.l. der Gattung *Salsola* (Chenopodiaceae). *Biblioth Bot.* 149: 1–190.
- Roma-Marzio F, Astuti G, Peruzzi L. 2015. Taxonomy, typification and karyology of *Crepis lacera* (Asteraceae). *Phytotaxa.* 208: 45–54. doi:10.11646/phytotaxa.208.1.4.
- Roma-Marzio F, Bedini G, Müller J, Peruzzi L. 2016a. A critical checklist of the woody flora of Tuscany (Italy). *Phytotaxa.* 287: 1–134. doi:10.11646/phytotaxa.287.1.1.
- Roma-Marzio F, D'Antraccoli M, Astuti G, Maccioni S, Amadei L, Peruzzi L. 2018. Typification of the names in *Trifolium* L. described by Gaetano Savi. *Taxon.* 67.

- Roma-Marzio F, D'Antraccoli M, Astuti G, Maccioni S, Peruzzi L. 2016b. Neotypification of the name *Rosa agrestis* (Rosaceae). *Phytotaxa*. 284: 296–298. doi:10.11646/phytotaxa.284.4.7.
- Roma-Marzio F, Najar B, Alessandri J, Pistelli L, Peruzzi L. 2017. Taxonomy of prickly juniper (*Juniperus oxycedrus* group): a crucial contribution at the meeting point of two cryptospecies. *Phytochemistry*. 141: 48–60. doi:10.1016/j.phytochem.2017.05.008.
- Roma-Marzio F, Peruzzi L. 2017. Typification of the name *Polygala flavescens* DC. (Polygalaceae). *Phytotaxa*. 331: 299–300. doi:10.11646/phytotaxa.331.2.15.
- Romolini R, Souche R. 2012. *Ophrys* d'Italia. Société Occitane d'Orchidologie [The genus *Ophrys* in Italy. Occitan Society of Orchidology]. Saint-Martin-de-Londres: Editions Sococor. Italian.
- Rosati L, Romano VA, Bartolucci F, Bernardo L, Bouvet D, Cancellieri L, Caruso G, Conti F, Faraoni F, Banfi E, et al. 2017. Contribution to the floristic knowledge of the Maddalena Mountains (Basilicata and Campania, southern Italy). *Ital Bot*. 3: 73–82. doi:10.3897/ib.3.12519.
- Rossi G, Montagnani C, Gargano D, Peruzzi L, Abeli T, Ravera S, Caruso G, Conti F, Faraoni F, Banfi E, et al., editors. 2013. Lista Rossa della Flora Italiana. 1. Policy Species e altre specie minacciate. Comitato Italiano IUCN e Ministero dell'Ambiente e della Tutela del Territorio e del Mare [Policy species and other threatened species. IUCN Italian Committee. Ministry of the Environment and Protection of Land and Sea]. Rome: Stamberia Romana. Italian.
- Rossi G, Montagnani C, Abeli T, Gargano D, Peruzzi L, Fenu G, Magrini S, Gennai M, Foggi B, Wagensommer RP, et al. 2014. Are red lists really useful for plant conservation? The new red list of the Italian flora in the perspective of national conservation policies. *Plant Biosyst*. 148: 187–190. doi:10.1080/11263504.2013.868375.
- Rossi G, Orsenigo S, Montagnani C, Fenu G, Gargano D, Peruzzi L, Wagensommer RP, Foggi B, Bacchetta G, Domina G, et al. 2016. Is legal protection sufficient to ensure plant conservation? The Italian Red List of policy species as a case study. *Oryx*. 50: 431–436. doi:10.1017/S003060531500006X.
- Saarela JM, Bull RD, Paradis MJ, Ebata SN, Peterson PM, Soreng RJ, Paszko B. 2017. Molecular phylogenetics of cool-season grasses in the subtribes Agrostidinae, Anthoxanthinae, Aveninae, Brizinae, Calothecinae, Koeleriinae and Phalaridinae (Poaceae, Pooideae, Poaeae, Poaeae chloroplast group 1). *PhytoKeys*. 87: 1–139. doi:10.3897/phytokeys.87.12774.
- Salmeri C, Brullo C, Brullo S, Giusso Del Galdo G, Moysiyanenko II. 2016. What is *Allium paniculatum*? Establishing taxonomic and molecular phylogenetic relationships within *A. sect. Codonoprasum*. *J Syst Evol*. 54: 123–135. doi:10.1111/jse.12170.
- Santangelo A, Del Guacchio E, Cennamo P, Caputo P. 2017. Reassembling the *Centaurea tenorei* group (Asteraceae) puzzle: typification of the names. *Phytotaxa*. 298: 119–133. doi:10.11646/phytotaxa.298.2.2.
- Schaefer H, Hechenleitner P, Santos-Guerra A, Menezes de Sequeira M, Pennington RT, Kenicer G, Carine MA. 2012. Systematics, biogeography, and character evolution of the legume tribe Fabeae with special focus on the middle-Atlantic island lineages. *BMC Evol Biol*. 12: 250. doi:10.1186/1471-2148-12-250.
- Schüssler Ch, Freitag H, Koteyeva N, Schmidt D, Edwards G, Voznesenskaya E, Kadereit G. 2017. Molecular phylogeny and forms of photosynthesis in tribe Salsolaee (Chenopodiaceae). *J Exp Bot*. 68: 207–223. doi:10.1093/jxb/erw432.
- Schuster TM, Reveal JL, Bayly MJ, Kron KA. 2015. An updated molecular phylogeny of Polygonoideae (Polygonaceae): relationships of *Oxygonum*, *Pteroxygonum*, and *Rumex*, and a new circumscription of *Koenigia*. *Taxon*. 64: 1188–1208. doi:10.12705/646.5.
- Scoppola A, Lattanzi E. 2016. Remarks on the type material and the identity of the name *Trifolium multistriatum* W.D.J.Koch (*T. vesiculosum* agrg., Fabaceae). *Phytotaxa*. 277: 275–281. doi:10.11646/phytotaxa.277.3.5.
- Scoppola A, Lattanzi E, Bernardo L. 2016. Distribution and taxonomy of the Italian clovers belonging to *Trifolium* sect. *Vesicastrum* subsect. *Mystillus* (Fabaceae). *Ital Bot*. 2: 7–27. doi:10.3897/italianbotanist.2.10361.
- Sennikov AN. 2011. *Chamerion* or *Chamaenerion* (Onagraceae)? The old story in new words. *Taxon*. 60: 1485–1488.
- Sennikov AN, Kurtto A. 2017. A phylogenetic checklist of *Sorbus* s.l. (Rosaceae) in Europe. *Memoranda Soc Fauna Flora Fennica*. 93: 1–78.
- Shiels DR, Hurlbut DL, Lichtenwald SK, Monfils AK. 2014. Monophyly and Phylogeny of *Schoenoplectus* and *Schoenoplectiella* (Cyperaceae): evidence from chloroplast and nuclear DNA Sequences. *Syst Bot*. 39: 132–144. doi:10.1600/036364414X678198.
- Soest JL van. 1969. Die *Taraxacum*-Arten der Schweiz [The genus *Taraxacum* in Switzerland]. *Veröff Geobot Inst ETH Stiftung Rübel Zürich* 42. German.
- Sukhorukov AP. 2014. Карпология семейства Chenopodiaceae в связи с проблемами филогении, систематики и диагностики его представителей [The carpology of the family Chenopodiaceae in relations to problems of phylogeny, systematics and diagnostics of its representatives]. Tula: Grif I K.. 400 pp. Russian.
- Soldano A. 1993. *Trisetaria segetum* (Savi) Soldano (Gramineae), nome corretto per *Trisetaria parviflora* (Desf.) Maire. *Atti Soc Tosc Sci Nat, Mem, Ser B*. 99: 15–21.
- Soreng RJ, Peterson PM, Romaschenko K, Davidse G, Teisher JK, Clark LG, Barbera P, Gillespie LJ, Zuloaga FO. 2017. A worldwide phylogenetic classification of the Poaceae (Gramineae) II: an update and a comparison of two 2015 classifications. *J Syst Evol*. 55: 259–290. doi:10.1111/jse.12262.
- Španiel S, Marhold K, Hodalova I, Lihova J. 2008. Diploid and tetraploid cytotypes of *Centaurea stoebe* (Asteraceae) in Central Europe: morphological differentiation and cytotype distribution patterns. *Folia Geobot*. 43: 131–158. doi:10.1007/s12224-008-9008-7.
- Španiel S, Marhold K, Passalacqua NG, Zozomova-Lihova J. 2011. Intricate variation patterns in the diploid-polyploid complex of *Alyssum montanum*–*A. repens* (Brassicaceae) in the Apennine peninsula: evidence for long-term persistence and diversification. *Am J Bot*. 98: 1887–1904. doi:10.3732/ajb.1100147.
- Španiel S, Zozomová-Lihová J, Passalacqua NG, Marhold K. 2012. Intraspecific classification of *Alyssum diffusum* (Brassicaceae) in Italy. *Willdenowia*. 42: 37–56. doi:10.3372/wi42.42104.
- Stefanović S, Austin DA, Olmstead RG. 2003. Classification of Convolvulaceae: a phylogenetic approach. *Syst Bot*. 28: 791–806. doi:10.1043/02-45.1.
- Stefanović S, Krueger L, Olmstead RG. 2002. Monophyly of the Convolvulaceae and circumscription of their major lineages based on DNA sequences of multiple chloroplast loci. *Am J Bot*. 89: 1510–1522. doi:10.3732/ajb.89.9.1510.
- Štěpánek J, Kirschner J. 2012. A taxonomic revision of *Taraxacum* sect. *Erythrosperma* (Compositae-Lactuceae) in Corsica. *Feddes Repert*. 123: 1–38. doi:10.1002/fedr.201200032.
- Stöhr O. 2016. *Liparis nemoralis* (Orchidaceae), neu für Österreich, mit Anmerkungen zum Naturschutzwert des "Lavanter Forchachs" bei Lienz (Osttirol). *Neireichia*. 8: 11–26.
- Talavera S, García Murillo P, Smith H. 1986. Sobre el genero *Zannichellia* L. (Zannichelliaceae). *Lagascalia*. 14: 241–271.
- The Plant List. 2013 onwards. The plant list. Version 1.1. <http://www.theplantlist.org/>.
- Tison JM. 2001. Typification de *Gagea cossoniana* Pascher, de *Gagea fragifera* (Vill.) Ehr.Bayer & G.López et de *Gagea maroccana* (A.Terracc.) Sennen & Mauricio. *Candollea*. 56: 197–202.
- Tison J-M, de Foucault B. 2014. Flora Gallica. Flore de France [Flora of France]. Méze: Biotope Éditions. French.
- Tison J-M, Peterson A, Harpke D, Peruzzi L. 2013. Reticulate evolution of the critical Mediterranean *Gagea* sect. *Didymobulbos* (Liliaceae), and its taxonomic implications. *Plant Syst Evol*. 299: 413–438.
- Tomlinson PB, Posluzny U. 2001. Generic limits in the seagrass family Zosteraceae. *Taxon*. 50: 429–437. doi:10.2307/1223890.
- Tondi G, Di Pietro R, Minutillo F. 2005. Contributo alla conoscenza del gen. *Alchemilla* L. (Rosaceae) nell'Appennino. *Inform Bot Ital*. 37: 380–381.
- Troia A, Azzella MM. 2013. *Isoetes sabatina* (Isoëtaceae, Lycopodiophyta), a new aquatic species from central Italy. *Plant Biosyst*. 147: 1052–1058. doi:10.1080/11263504.2013.782902.
- Troia A, Greuter W. 2014. Critical Flora of Italy: a critical conspectus of Italian *Isoetes* (Isoetaceae). *Plant Biosyst*. 148: 13–20. doi:10.1080/11263504.2013.878409.
- Tropicos. 2017. Tropicos.org. Missouri Botanical Garden. <http://www.tropicos.org>.
- Turner IM. 2017. From India to Madeira and back again: a new combination for a wide-ranging *Spergularia* (Caryophyllaceae). *Willdenowia*. 47: 213–216. doi:10.3372/wi.47.47303.

- Ubaldi D. 2016. Taxonomic remarks on *Sesleria italica* (Pamp.) Ujhelyi (Monocotyledones Poaceae). *Quad Studi St Nat Romagna*. 43: 117–131.
- Uhlemann I. 2007. New species of the genus *Taraxacum* (Asteraceae, Cichorieae) from Croatia [Notulae ad floram euro-mediterraneam pertinentes 23]. *Willdenowia*. 37: 115–121. doi:10.3372/wi.37.37105.
- Uhlemann I. 2017. The genus *Taraxacum* (Asteraceae, Cichorieae) sect. *Erythrosperma* in the northern coastal part of Croatia. *Schlechtendalia*. 32: 1–24.
- Ujhelyi J. 1959. Révision des espèces du genre “*Sesleria*” en Italie [Revision of species of the genus “*Sesleria*” in Italy]. *Webbia*. 14: 597–614. French.
- Uribe-Convers S, Tank DC. 2016. Phylogenetic revision of the genus *Bartsia* (Orobanchaceae): disjunct distributions correlate to independent lineages. *Syst Bot*. 41: 1–13. doi:10.1600/036364416X692299.
- Valdés B. 2011. Malvaceae. In: Greuter W, Raus Th, editors, *Med-Checklist Notulae*, 30. *Willdenowia*. 41: 311–328. doi: 10.3372/wi.41.41213.
- Valdés B, Rejdali M, Achhal El Kadmiri A, Jury SL, Montserrat JM. 2002. Catalogue des plantes vasculaires du nord du Maroc, incluant des clés d’identification [Catalogue of vascular plants from Northern Morocco, including identification keys]. 2 vols. Madrid: CSIC. French.
- Vangjeli J. 2015. *Excursion flora of Albania*. Königstein: Koeltz Scientific Books.
- Villani M, Marcucci R, Peruzzi L. 2015. A note on the type of the name *Rhizobotrya alpina* (Brassicaceae). *Phytotaxa*. 236: 97–99. doi:10.11646/phytotaxa.236.1.11.
- Wagensommer RP, Bartolucci F, Fiorentino M, Licht W, Peccenini S, Perrino EV, Venanzoni R. 2017. First record for the flora of Italy and lectotypification of the name *Linum elegans* (Linaceae). *Phytotaxa*. 296: 161–170. doi:10.11646/phytotaxa.296.2.5.
- Wagner F, Härtl S, Vogt R, Oberprieler C. 2017. “Fix Me Another Marguerite!”: species delimitation in a group of intensively hybridizing lineages of ox-eye daisies (*Leucanthemum* Mill., Compositae-Anthemideae). *Molec Ecol*. 26: 4260–4283. doi:10.1111/mec.14180.
- Wei R, Ebihara A, Zhu Y-M, Zhao C-F, Hennequin S, Zhang X-C. 2018. A total-evidence phylogeny of the lady fern genus *Athyrium* Roth (Athyraceae) with a new infrageneric classification. *Mol Phyl Evol* 119: 25–36. doi:10.1016/j.ympev.2017.10.019.
- Weigend M. 2006. *Urtica dioica* subsp. *cypria*, with a re-evaluation of the *U. dioica* group (Urticaceae) in Western Asia. *Willdenowia*. 36: 811–822. doi:10.3372/wi.36.36212.
- Whittaker RJ, Araújo MB, Jepson P, Ladle RJ, Watson JEM, Willis KJ. 2005. Conservation biogeography: assessment and prospect. *Divers Distr*. 11: 3–23. doi:10.1111/j.1366-9516.2005.00143.x.
- Wilson KL. 2017. Report of the General Committee: 20. *Taxon*. 66: 981. doi:10.12705/664.15.
- Williams BRM, Mitchell TC, Wood JRI, Harris DJ, Scotland RW, Carine MA. 2014. Integrating DNA barcode data in a monograph of *Convolvulus* L. *Taxon*. 63: 1287–1306. doi:10.12705/636.9.
- Wiegand G, Bobrov A, Zalewska-Gałosz J. 2017. A taxonomic account of *Ranunculus* section *Batrachium* (Ranunculaceae). *Phytotaxa*. 319: 1–55. doi:10.11646/phytotaxa.319.1.1.
- Wilson EO, Brown WL. 1953. The subspecies concept and its taxonomic application. *Syst Zool*. 2: 97–111.
- Záveská Drábková L, Kirschner J. 2013. *Oreojuncus*, a new genus in the Juncaceae. *Preslia*. 85: 483–503.
- Zozomová-Lihová J, Marhold K, Španiel S. 2014. Taxonomy and evolutionary history of *Alyssum montanum* (Brassicaceae) and related taxa in southwestern Europe and Morocco: diversification driven by polyploidy, geographic and ecological isolation. *Taxon*. 63: 562–591. doi:10.12705/633.18.