

## Italian Botanist 12

### Supplementary data to Notulae to the Italian native vascular flora: 12

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Categories concerning the occurrence status of taxa follow Bartolucci et al. (2018a).

#### 1. Nomenclatural updates

Family	Nomenclature according to Bartolucci et al. (2018a)	Revised nomenclature	References/Note
Ranunculaceae	<i>Aconitum burnatii</i> Gayer subsp. <i>burnatii</i>	<i>Aconitum burnatii</i> Gayer	Mitka et al. (2021)
Plantaginaceae	<i>Antirrhinum majus</i> L. subsp. <i>tortuosum</i> (Bosc ex Lam.) Rouy	<i>Antirrhinum tortuosum</i> Bosc ex Lam.	Güemes 2009
Poaceae	<i>Avena barbata</i> Pott ex Link	<i>Avena barbata</i> Pott ex Link subsp. <i>barbata</i>	Romero Zarco and Sàez (2021)
Poaceae	<i>Avena lusitanica</i> (Tab.Morais) B.R.Baum	<i>Avena barbata</i> Pott ex Link subsp. <i>lusitanica</i> (Tab.Morais) Romero Zarco	Romero Zarco and Sàez (2021)
Poaceae	<i>Avena saxatilis</i> (Lojac.) Rocha Afonso	<i>Avena barbata</i> Pott ex Link subsp. <i>castellana</i> Romero Zarco	Romero Zarco and Sàez (2021)
Poaceae	<i>Avena wiestii</i> Steud.	<i>Avena barbata</i> Pott ex Link subsp. <i>wiestii</i> (Steud.) Mansf.	Romero Zarco and Sàez (2021)
Asteraceae	<i>Centaurea seguenzae</i> (Lacaita) Domina, Greuter & Raimondo	<i>Centaurea seguenzae</i> (Lacaita) Brullo, Marceno & Siracusa	Brullo et al. (1998)
Arecaceae	<i>Chamaerops humilis</i> L.	<i>Chamaerops humilis</i> L. subsp. <i>humilis</i>	Giovino et al. (2021)
Asparagaceae	<i>Charybdis undulata</i> (Desf.) Speta	<i>Charybdis purpurascens</i> (J.Jacq.) J.-M.Tison	<i>Charybdis undulata</i> (Desf.) Speta is an illegitimate name (Crespo et al. 2020; Tison et al. 2021)
Poaceae	<i>Chrysurus gracilis</i> Moris	<i>Chrysurus gracilis</i> (Viv.) Moris	Cantó and Devesa (2020); synonym of <i>Cynosurus effusus</i> Link
Lamiaceae	<i>Clinopodium raimondoi</i> Spadaro, Faqi & Mazzola	<i>Clinopodium canescens</i> (J.Presl) Melnikov	Melnikov (2016), Di Gristina et al. (2021); this species is not endemic to Italy (Šilić 1979)
Poaceae	<i>Cynosurus effusus</i> Link var. <i>gracilis</i> (Moris) Kerguélen	<i>Cynosurus effusus</i> Link var. <i>gracilis</i> (Viv.) Kerguélen	Cantó and Devesa (2020); synonym of <i>Cynosurus effusus</i> Link
Poaceae	<i>Cynosurus gracilis</i> Moris	<i>Cynosurus gracilis</i> Viv.	Cantó and Devesa (2020); synonym of <i>Cynosurus effusus</i> Link
Poaceae	<i>Cynosurus paradoxus</i> Fiori	<i>Cynosurus paradoxus</i> (Sommier) Fiori	synonym of <i>Cynosurus effusus</i> Link
Caryophyllaceae	<i>Dianthus longicaulis</i> Ten.	<i>Dianthus virgineus</i> L.	Domina et al. (2021)
Apiaceae	<i>Foeniculum vulgare</i> Mill. subsp. <i>piperitum</i> (Ucria) Bég.	<i>Anethum piperitum</i> Ucria	Frankiewicz et al. (2021), Ilardi and Troia (2021)
Apiaceae	<i>Foeniculum vulgare</i> Mill. subsp. <i>vulgare</i>	<i>Anethum foeniculum</i> L.	Frankiewicz et al. (2021), Ilardi and Troia (2021)
Ranunculaceae	<i>Helleborus niger</i> L. subsp. <i>macranthus</i> (Frey) Schiffn.	<i>Helleborus niger</i> L.	Záveská et al. (2021)
Asteraceae	<i>Hieracium grovesianum</i> Arv.-Touv. ex Belli subsp. <i>nigrotectorum</i> Gottschl.	<i>Hieracium grovesianum</i> Arv.-Touv. ex Belli subsp. <i>nigrotectorum</i> Gottschl.	Misprint in Bartolucci et al. (2018a)
Plumbaginaceae	<i>Limonium divaricatum</i> (Rouy) Brullo	<i>Limonium dubium</i> (Andrews ex Guss.) Litard.	Erben and Del Guacchio (2021); this species is not endemic to Italy
Plumbaginaceae	<i>Limonium pignattii</i> Brullo & Di Martino	<i>Limonium pignattii</i> Brullo & Di Martino, nom. inval.	Synonym of <i>Limonium dubium</i> (Andrews ex Guss.) Litard.
Poaceae	<i>Lolium interruptum</i> (Desf.) Banfi, Galasso, Foggi, Kopecký & Ardenghi subsp. <i>corsicum</i> (Hack.) Banfi, Galasso, Foggi, Kopecký & Ardenghi	<i>Lolium arundinaceum</i> (Schreb.) Darbysh. subsp. <i>corsicum</i> (Hack.) J.-M.Tison	Tison et al. (2021)
Poaceae	<i>Lolium interruptum</i> (Desf.) Banfi, Galasso, Foggi, Kopecký & Ardenghi subsp. <i>interruptum</i>	<i>Lolium interruptum</i> (Desf.) Banfi, Galasso, Foggi, Kopecký & Ardenghi	
Fabaceae	<i>Lotus dorycnium</i> L.	<i>Lotus dorycnium</i> L. subsp. <i>dorycnium</i>	Ferrer-Gallego and Roselló (2021)
Portulacaceae	<i>Portulaca cyprica</i> Danin	<i>Portulaca oleracea</i> L.	It has been proven (El-Bakoutoushi et al 2013; Walter et al. 2015; Tison et al. 2021) that the microspecies within the <i>P. oleracea</i> complex in the Mediterranean, putatively distinguished on the basis of seed ornamentation and chromosome numbers, have a higher karyological diversity than initially described. It is preferred here to keep all of these taxa within the variability of <i>P. oleracea</i>
Portulacaceae	<i>Portulaca granulostellulata</i> (Poelln.) Ricceri & Arrigoni	<i>Portulaca oleracea</i> L.	see note above
Portulacaceae	<i>Portulaca macrantha</i> Ricceri & Arrigoni	<i>Portulaca oleracea</i> L.	see note above
Portulacaceae	<i>Portulaca nitida</i> (Danin & H.G.Baker) Ricceri & Arrigoni	<i>Portulaca oleracea</i> L.	see note above

<b>Portulacaceae</b>	<i>Portulaca papillatostellulata</i> (Danin & H.G.Baker) Danin	<i>Portulaca oleracea</i> L.	see note above
<b>Portulacaceae</b>	<i>Portulaca rausii</i> Danin	<i>Portulaca oleracea</i> L.	see note above
<b>Portulacaceae</b>	<i>Portulaca sardoa</i> Danin, Bagella & Marrosu	<i>Portulaca oleracea</i> L.	see note above
<b>Portulacaceae</b>	<i>Portulaca sativa</i> Haw.	<i>Portulaca oleracea</i> L.	see note above
<b>Portulacaceae</b>	<i>Portulaca sicula</i> Danin, Domina & Raimondo	<i>Portulaca oleracea</i> L.	see note above
<b>Portulacaceae</b>	<i>Portulaca trituberculata</i> Danin, Domina & Raimondo	<i>Portulaca oleracea</i> L.	see note above
<b>Portulacaceae</b>	<i>Portulaca zaffranii</i> Danin	<i>Portulaca oleracea</i> L.	see note above
<b>Apiaceae</b>	<i>Ridolfia segetum</i> (Guss.) Moris	<i>Anethum ridolfia</i> Spalik & Reduron	Frankiewicz et al. (2021)
<b>Poaceae</b>	<i>Rostraria pubescens</i> (Lam.) Trin.	<i>Rostraria litorea</i> (All.) Holub	The illegitimate name <i>Rostraria pubescens</i> Trin. is a superfluous name for <i>Bromus dactyloides</i> Roth, a synonym of <i>Rostraria cristata</i> (L.) Tzvelev
<b>Caryophyllaceae</b>	<i>Sabulina mediterranea</i> (Ledeb. ex Link) Rchb.	<i>Sabulina mediterranea</i> (Ledeb. ex Link) Rchb. subsp. <i>mediterranea</i>	Tison et al. (2021)
<b>Caryophyllaceae</b>	<i>Silene otites</i> (L.) Wibel	<i>Silene otites</i> (L.) Wibel subsp. <i>otites</i>	Tison et al. (2021)
<b>Poaceae</b>	<i>Trisetaria alpestris</i> (Host) Baumg.	<i>Trisetum alpestre</i> (Host) P.Beauv.	Barberá et al. (2018)
<b>Poaceae</b>	<i>Trisetaria argentea</i> (Willd.) Banfi, Galasso & Soldano	<i>Trisetum argenteum</i> (Willd.) Roem. & Schult.	Barberá et al. (2018)
<b>Poaceae</b>	<i>Trisetaria burnoufii</i> (Req. ex Parl.) Banfi & Soldano	<i>Trisetum flavescens</i> (L.) P.Beauv. subsp. <i>flavescens</i>	Barberá et al. (2018)
<b>Poaceae</b>	<i>Trisetaria flavescens</i> (L.) Baumg. subsp. <i>flavescens</i>	<i>Trisetum flavescens</i> (L.) P.Beauv. subsp. <i>flavescens</i>	Barberá et al. (2018)
<b>Poaceae</b>	<i>Trisetaria flavescens</i> (L.) Baumg. subsp. <i>purpurascens</i> (DC.) Banfi & Soldano	<i>Trisetum flavescens</i> (L.) P.Beauv. subsp. <i>flavescens</i>	Barberá et al. (2018)
<b>Poaceae</b>	<i>Trisetaria flavescens</i> (L.) Baumg. subsp. <i>splendens</i> (C.Presl) Banfi & Soldano	<i>Trisetum flavescens</i> (L.) P.Beauv. subsp. <i>flavescens</i>	Barberá et al. (2018)
<b>Poaceae</b>	<i>Trisetaria gracilis</i> (Moris) Banfi & Arrigoni	<i>Trisetum gracile</i> (Moris) Boiss.	Barberá et al. (2018)
<b>Poaceae</b>	<i>Trisetaria villosa</i> (Bertol.) Banfi & Soldano	<i>Trisetum bertolonii</i> Jonsell	Barberá et al. (2018)
<b>Ranunculaceae</b>	<i>Vulpia attenuata</i> Parl.	<i>Festuca geniculata</i> (L.) Lag. & Rodr. subsp. <i>geniculata</i>	Stace (2021); <i>Vulpia attenuata</i> was previously regarded as a synonym of <i>Festuca sicula</i> C.Presl (Bartolucci et al. 2018a)

## 2. Note updates

Family	Taxon	Note update	References
<b>Poaceae</b>	<i>Sesleria italica</i> (Pamp.) Ujhelyi	According to Di Pietro et al. (2021), <i>S. italica</i> subsp. <i>mariculensis</i> Ubaldi, <i>S. feretrana</i> Ubaldi and <i>S. nitida</i> Ten. var. <i>candae</i> Ubaldi & Garavaglia should be regarded as synonyms of <i>S. italica</i> (Pamp.) Ujhelyi	Di Pietro et al. (2021)
<b>Poaceae</b>	<i>Sesleria pulchella</i> (Chiosi) Ubaldi	According to Di Pietro et al. (2021), <i>S. pulchella</i> (Chiosi) Ubaldi could be a synonym of <i>S. italica</i> (Pamp.) Ujhelyi. Pending further studies we maintain this species as taxonomically questionable	Di Pietro et al. (2021)

## 3. Distribution updates

Family	Taxon	Distribution update	References/Note
<b>Acanthaceae</b>	<i>Acanthus mollis</i> L. subsp. <i>mollis</i>	P A INV CAM	Stinca et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla ceroniana</i> Buser	P TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla cinerea</i> Buser	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla compta</i> Buser	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla exigua</i> Buser	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla fissa</i> Günther & Schummel	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla flavovirens</i> Buser	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla glomerulans</i> Buser	NC TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla impexa</i> Buser	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla leptoclada</i> Buser	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla propinqua</i> H.Lindb. ex Juz.	P VEN	Martini (2021)
<b>Rosaceae</b>	<i>Alchemilla radiisecta</i> Buser	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla subsericea</i> Reut.	NP TOS	Gestri et al. (2021)
<b>Rosaceae</b>	<i>Alchemilla venosula</i> Buser	P VEN	Martini (2021)
<b>Rosaceae</b>	<i>Alchemilla vulgaris</i> L.	NP TOS	Gestri et al. (2021)
<b>Amarylidaceae</b>	<i>Allium schoenoprasum</i> L. subsp. <i>schoenoprasum</i>	P A CAS UMB, P A CAS MAR	Stinca et al. (2021)
<b>Poaceae</b>	<i>Alopecurus pratensis</i> L. subsp. <i>pratensis</i>	P LAZ	Lattanzi et al. (2021)
<b>Primulaceae</b>	<i>Androsace saussurei</i> Dentant, Lavergne, F.C.Boucher & S.Ibanez	P ITA; P VDA	Boucher et al. (2021)

<b>Primulaceae</b>	<i>Androsace vesulensis</i> Dentant, Lavergne, F.C.Boucher & S.Ibanez	P ITA; P PIE	Boucher et al. (2021)
<b>Asteraceae</b>	<i>Anthemis parlatoeana</i> Raimondo, Bajona, Spadaro & Di Grist.	E, P ITA; P SIC	Raimondo et al. (2021)
<b>Asteraceae</b>	<i>Artemisia campestris</i> L. subsp. <i>campestris</i>	P ABR	Stinca et al. (2021)
<b>Araceae</b>	<i>Arum cylindraceum</i> Gasp. ex Guss.	P LAZ	Lattanzi et al. (2021)
<b>Aspleniaceae</b>	<i>Asplenium seelosii</i> Leyb. subsp. <i>seelosii</i>	NP PIE	Selvaggi et al. (2021)
<b>Orobanchaceae</b>	<i>Bellardia viscosa</i> (L.) Fisch. & C.A.Mey.	P A CAS VEN	Argenti et al. (2019)
<b>Gentianaceae</b>	<i>Centaurium erythraea</i> Rafn subsp. <i>rhodense</i> (Boiss. & Reut.) Melderis	P BAS	Stinca et al. (2021)
<b>Asparagaceae</b>	<i>Charybdis glaucophylla</i> Bacch., Brullo, D'Emérico, Pontec. & Salmeri	È	Recorded also for Tunisia (El Monki and Pasta 2021)
<b>Cyperaceae</b>	<i>Cyperus rotundus</i> L.	P C CAL	Stinca et al. (2021)
<b>Fabaceae</b>	<i>Cytisus nigricans</i> L. subsp. <i>nigricans</i>	P VEN	Curti and Scortegagna (1998); Scortegagna et al. (2016)
<b>Poaceae</b>	<i>Deschampsia cespitosa</i> (L.) P.Beauv. subsp. <i>parviflora</i> (Thuill.) Dumort.	P ABR	Stinca et al. (2021)
<b>Orchidaceae</b>	<i>Epipactis greuteri</i> H.Baumann & Künkele	P MAR	Klaver and Romagnoli (2017)
<b>Orchidaceae</b>	<i>Epipactis microphylla</i> (Ehrh.) Sw. subsp. <i>cosyrensis</i> Brullo	E, P ITA; P SIC	Brullo et al. (2021)
<b>Brassicaceae</b>	<i>Eruca vesicaria</i> (L.) Cav.	P C CAL	Stinca et al. (2021)
<b>Euphorbiaceae</b>	<i>Euphorbia taurinensis</i> All.	EX A VEN	Argenti and Lasen (2001)
<b>Apiaceae</b>	<i>Ferula sommieriana</i> Cambria, C.Brullo, Tavilla, Sciandr., Minissale, Giusso & Brullo	E, P ITA; P SIC	Cambria et al. (2021)
<b>Rubiaceae</b>	<i>Galium lucidum</i> All. subsp. <i>lucidum</i>	P PUG	Stinca et al. (2021)
<b>Iridaceae</b>	<i>Gladiolus italicus</i> Mill.	P C CAL	Stinca et al. (2021)
<b>Boraginaceae</b>	<i>Heliotropium supinum</i> L.	P A CAS VEN	Goiran (1900)
<b>Ranunculaceae</b>	<i>Helleborus niger</i> L. subsp. <i>macranthus</i> (Freyn) Schiffn.	P VEN	Argenti et al. (2019)
<b>Asteraceae</b>	<i>Hieracium entleutneri</i> Zahn ex Gottschl.	P PIE	Selvaggi et al. (2021)
<b>Asteraceae</b>	<i>Hieracium lachenalii</i> Suter subsp. <i>zerbanum</i> Gottschl. & S.Orsenigo	E, P ITA; P EMR	Gottschlich and Orsenigo (2021)
<b>Asteraceae</b>	<i>Hieracium lesimanum</i> Gottschl. & S.Orsenigo	E, P ITA; P EMR	Gottschlich and Orsenigo (2021)
<b>Asteraceae</b>	<i>Hieracium leucophaeum</i> Gren. & Godr. subsp. <i>bernense</i> (Christener) Zahn	P ITA; P PIE	Selvaggi et al. (2021)
<b>Asteraceae</b>	<i>Hieracium leucophaeum</i> Gren. & Godr. subsp. <i>godetii</i> (Christener) Zahn	P ITA; P PIE	Selvaggi et al. (2021)
<b>Asteraceae</b>	<i>Hieracium misaucinum</i> Nägeli & Peter subsp. <i>misaucinum</i>	P PIE	Selvaggi et al. (2021)
<b>Asteraceae</b>	<i>Hieracium porrectum</i> Fr. subsp. <i>porrectum</i>	P ITA; P PIE	Selvaggi et al. (2021)
<b>Asteraceae</b>	<i>Hieracium prenanthoides</i> Vill. subsp. <i>penicense</i> Gottschl. & S.Orsenigo	E, P ITA; P LOM	Gottschlich and Orsenigo (2021)
<b>Asteraceae</b>	<i>Hieracium rohacsense</i> Kit. subsp. <i>rauzense</i> (Murr) Gottschl.	P PIE	Selvaggi et al. (2021)
<b>Asteraceae</b>	<i>Hieracium scopoli</i> Gottschl. & S.Orsenigo	E, P ITA; P EMR	Gottschlich and Orsenigo (2021)
<b>Asteraceae</b>	<i>Hieracium scopolioides</i> Gottschl. & S.Orsenigo	E, P ITA; P EMR	Gottschlich and Orsenigo (2021)
<b>Asteraceae</b>	<i>Hieracium thomasianum</i> Zahn	P ITA; P PIE	Selvaggi et al. (2021)
<b>Asteraceae</b>	<i>Hieracium umbrophilum</i> Gottschl. & S.Orsenigo	E, P ITA; P LOM, P EMR	Gottschlich and Orsenigo (2021)
<b>Juglandaceae</b>	<i>Juglans regia</i> L.	P A NAT CAL	Stinca et al. (2021)
<b>Linaceae</b>	<i>Linum austriacum</i> L.	P A CAS VEN	Argenti et al. (2019)
<b>Linaceae</b>	<i>Linum nodiflorum</i> L.	EX VEN	Buffa et al. (2016)
<b>Brassicaceae</b>	<i>Odontarrhena bertolonii</i> (Desv.) Jord. & Fourr. subsp. <i>cesalpina</i> Selvi	E, P ITA; P TOS	Selvi and Vivona (2021)
<b>Orobanchaceae</b>	<i>Orobanche beauverdii</i> Uhlich & Rätzel	P ITA; P LOM	Uhlich and Rätzel (2021)
<b>Orobanchaceae</b>	<i>Orobanche elatior</i> Sutton	NP VEN	Argenti et al. (2019)
<b>Orobanchaceae</b>	<i>Orobanche lycoctoni</i> Rhiner	P PIE	Selvaggi et al. (2021)
<b>Paeniaceae</b>	<i>Paonia mascula</i> (L.) Mill. subsp. <i>mascula</i>	NC TOS	Misprint in Passalacqua and Bernardo (2004)
<b>Papaveraceae</b>	<i>Papaver rhoeas</i> L. subsp. <i>rhoeas</i>	P C CAL	Stinca et al. (2021)
<b>Polygonaceae</b>	<i>Persicaria lapathifolia</i> (L.) Delarbre subsp. <i>lapathifolia</i>	P PUG	Stinca et al. (2021)
<b>Poaceae</b>	<i>Phalaris paradoxa</i> L.	P LOM	Bonali et al. (2006)
<b>Plantaginaceae</b>	<i>Plantago subulata</i> L.	P SAR	Misprint in Bartolucci et al. (2018b)
<b>Rosaceae</b>	<i>Prunus avium</i> (L.) L.	P CAL	Stinca et al. (2021)
<b>Ranunculaceae</b>	<i>Ranunculus aquatilis</i> L.	P ITA; P SIC	Caldarella et al. (2021)
<b>Ranunculaceae</b>	<i>Ranunculus penicillatus</i> (Dumort.) Bab.	P VEN	Argenti et al. (2019)
<b>Rosaceae</b>	<i>Rosa andegavensis</i> Bastard	P CAL	Stinca et al. (2021)
<b>Asteraceae</b>	<i>Senecio ovatus</i> (G.Gaertn., B.Mey. & Scherb.) Willd. subsp. <i>alpestris</i> (Gaudin) Herborg	P VEN	Argenti et al. (2019)
<b>Orchidaceae</b>	<i>Serapias ausoniae</i> Gennaio & Pellegrino	E, P ITA; P PUG	Gennaio and Pellegrino (2021)
<b>Poaceae</b>	<i>Sesleria caerulea</i> (L.) Ard. subsp. <i>caerulea</i>	P LIG	Briozzo et al. (2021)
<b>Apiaceae</b>	<i>Siler montanum</i> Crantz subsp. <i>apuanum</i> F.Conti & Bartolucci	E, P ITA; P TOS	Conti et al. (2021)

Apiaceae	<i>Siler montanum</i> Crantz subsp. <i>corrasianum</i> Bacch., Congiu, F.Conti & Bartolucci	E, P ITA; P SAR	Conti et al. (2021)
Apiaceae	<i>Siler montanum</i> Crantz subsp. <i>garganicum</i> (Ten.) Iamónico, Bartolucci & F.Conti	NP SAR	Conti et al. (2021)
Apiaceae	<i>Siler montanum</i> Crantz subsp. <i>ogliastrinum</i> Bacch., F.Conti & Bartolucci	E, P ITA; P SAR	Conti et al. (2021)
Apiaceae	<i>Siler montanum</i> Crantz subsp. <i>siculum</i> (Spreng.) Iamónico, Bartolucci & F.Conti	NP TOS, NP MAR, NP UMB, NP LAZ, NP ABR, NP MOL, NP CAM, NP BAS, NP CAL	Conti et al. (2021); endemic to Sicily
Apiaceae	<i>Siler montanum</i> Crantz subsp. <i>stabianum</i> (Lacaita) F.Conti & Bartolucci	P MAR, P UMB, P LAZ, P ABR, P MOL, P CAM, P BAS, P CAL	Conti et al. (2021)
Asteraceae	<i>Tanacetum corymbosum</i> (L.) Sch.Bip. subsp. <i>corymbosum</i>	P VEN	Scortegagna et al. (2016)
Asteraceae	<i>Taraxacum aginnense</i> Hofstra	P PIE	Selvaggi et al. (2021)
Asteraceae	<i>Taraxacum flos-lacus</i> Kirschner & Štěpánek	P ITA; P PIE	Selvaggi et al. (2021)
Asteraceae	<i>Taraxacum rufonerve</i> Soest	P ITA; P PIE	Selvaggi et al. (2021)
Thelypteridaceae	<i>Thelypteris palustris</i> Schott	P SIC	Sciandrello et al. (2021)
Apiaceae	<i>Trinia glauca</i> (L.) Dumort. subsp. <i>glauca</i>	P LAZ	Lattanzi et al. (2021)
Poaceae	<i>Triticum biunciale</i> (Vis.) K.Rich. subsp. <i>biunciale</i>	P C BAS	Perrino et al. (2014)
Scrophulariaceae	<i>Verbascum thapsus</i> L. subsp. <i>montanum</i> (Schrad.) Bonnier & Layens	P PUG	Stinca et al. (2021)
Plantaginaceae	<i>Veronica agrestis</i> L.	P PUG	Stinca et al. (2021)
Plantaginaceae	<i>Veronica cymbalaria</i> Bodard subsp. <i>cymbalaria</i>	P PUG	Stinca et al. (2021)
Violaceae	<i>Viola arvensis</i> Murray subsp. <i>arvensis</i>	P LIG	Briozzo et al. (2021)
Asteraceae	<i>Willemetia stipitata</i> (Jacq.) Dalla Torre subsp. <i>stipitata</i>	P PIE	Selvaggi et al. (2021)

#### 4. Synonyms, misapplied or included names

Family	Synonym, misapplied or included name	Accepted name	References/Note
Ranunculaceae	<i>Aconitum dolomiticum</i> A.Kern.	<i>Aconitum tauricum</i> Wulfen	
Ranunculaceae	<i>Aconitum tauricum</i> Wulfen subsp. <i>latemarense</i> (Degen & Gáyer) Starm.	<i>Aconitum tauricum</i> Wulfen	
Amaryllidaceae	<i>Allium roseum</i> L. subsp. <i>insulare</i> (Gennari) Cif. & Giacom.	<i>Allium roseum</i> L.	
Amaryllidaceae	<i>Allium roseum</i> L. subsp. <i>insulare</i> (Gennari) E.Véla & J.-M.Tison, comb. inval.	<i>Allium roseum</i> L.	
Amaryllidaceae	<i>Allium roseum</i> L. var. <i>insulare</i> Gennari	<i>Allium roseum</i> L.	
Betulaceae	<i>Alnus cordata</i> (Loisel.) Duby subsp. <i>neapolitana</i> (Savi) J.-M. Tison	<i>Alnus cordata</i> (Loisel.) Duby	
Amaranthaceae	<i>Amaranthus</i> × <i>hickenis</i> Sennen, nom. nud.	<i>Amaranthus deflexus</i> L.	Mestre et al. (2021)
Amaranthaceae	<i>Amaranthus</i> × <i>moquini</i> Sennen, nom. nud.	<i>Amaranthus deflexus</i> L.	Mestre et al. (2021)
Amaranthaceae	<i>Amaranthus deflexus</i> L. var. <i>barcinonensis</i> Sennen, nom. nud.	<i>Amaranthus deflexus</i> L.	Mestre et al. (2021)
Apiaceae	<i>Anethum foeniculum</i> L. subsp. <i>piperitum</i> (Ucria) Reduron & Spalik	<i>Anethum piperitum</i> Ucria	
Caryophyllaceae	<i>Arenaria multicaulis</i> L. subsp. <i>moehringioides</i> (Murr) J.-M.Tison, comb. inval.	<i>Arenaria multicaulis</i> L.	
Brassicaceae	<i>Brassica incana</i> Ten. subsp. <i>hirta</i> Raimondo & Spadaro	<i>Brassica incana</i> Ten.	
Brassicaceae	<i>Brassica incana</i> Ten. subsp. <i>raimondoi</i> (Sciandr., C.Brullo, Brullo, Giusso, Miniss., Salmeri) Raimondo & Spadaro	<i>Brassica incana</i> Ten.	
Brassicaceae	<i>Brassica rupestris</i> Raf. subsp. <i>monilicarpa</i> Raimondo & Spadaro	<i>Brassica rupestris</i> Raf. subsp. <i>rupestris</i>	
Brassicaceae	<i>Brassica rupestris</i> Raf. subsp. <i>tardarae</i> (Ilardi, Geraci & Troia) Raimondo	<i>Brassica tardarae</i> Ilardi, Geraci & Troia	
Cucurbitaceae	<i>Bryonia dioica</i> Jacq. subsp. <i>marmorata</i> (E.Petit) J.-M.Tison	<i>Bryonia marmorata</i> E.Petit	
Lamiaceae	<i>Calamintha canescens</i> J.Presl	<i>Clinopodium canescens</i> (J.Presl) Melnikov	Melnikov (2016)
Lamiaceae	<i>Calamintha glandulosa</i> (Req.) Benth. var. <i>canescens</i> (J.Presl) Šilic	<i>Clinopodium canescens</i> (J.Presl) Melnikov	Melnikov (2016)
Lamiaceae	<i>Calamintha nepeta</i> (L.) Savi var. <i>canescens</i> (J.Presl) Nyman	<i>Clinopodium canescens</i> (J.Presl) Melnikov	Melnikov (2016)
Poaceae	<i>Chrysurus paradoxus</i> Sommier	<i>Cynosurus effusus</i> Link	
Poaceae	<i>Cynosurus elegans</i> Desf. subsp. <i>paradoxus</i> (Sommier) Bég. ex Cif. & Giacom.	<i>Cynosurus effusus</i> Link	
Poaceae	<i>Cynosurus elegans</i> Desf. f. <i>paradoxus</i> (Sommier) Hack.	<i>Cynosurus effusus</i> Link	
Poaceae	<i>Cynosurus elegans</i> Desf. var. <i>paradoxus</i> (Sommier) Rouy	<i>Cynosurus effusus</i> Link	
Asparagaceae	<i>Drimia purpurascens</i> J.Jacq.	<i>Charybdis purpurascens</i> (J.Jacq.) J.-M.Tison	
Asparagaceae	<i>Epimenidion undulatum</i> (Desf.) Raf.	<i>Charybdis purpurascens</i> (J.Jacq.) J.-M.Tison	
Orchidaceae	<i>Epipactis pollinensis</i> B.Baumann & H.Baumann	<i>Epipactis purpurata</i> Sm.	
Poaceae	<i>Festuca attenuata</i> (Parl.) Guss.	<i>Festuca geniculata</i> (L.) Lag. & Rodr. subsp.	

		<i>geniculata</i>	
Apiaceae	<i>Foeniculum piperitum</i> (Ucria) C.Presl, isonym	<i>Anethum piperitum</i> Ucria	
Apiaceae	<i>Foeniculum piperitum</i> (Ucria) Sweet	<i>Anethum piperitum</i> Ucria	
Apiaceae	<i>Foeniculum vulgare</i> Mill. subsp. <i>piperitum</i> (Ucria) Cout., isonym	<i>Anethum piperitum</i> Ucria	
Asparagaceae	<i>Idothea purpurascens</i> (J.Jacq.) Kunth	<i>Charybdis purpurascens</i> (J.Jacq.) J.-M.Tison	
Asparagaceae	<i>Idothea purpurascens</i> (J.Jacq.) C.Presl, comb. illeg.	<i>Charybdis purpurascens</i> (J.Jacq.) J.-M.Tison	
Apiaceae	<i>Laserpitium garganicum</i> (Ten.) Bertol. var. <i>stabianum</i> (Lacaita) Pignatti	<i>Siler montanum</i> Crantz subsp. <i>stabianum</i> (Lacaita) F.Conti & Bartolucci	Conti et al. (2021)
Apiaceae	<i>Laserpitium nebrodense</i> Jan ex DC., nom. inval.	<i>Siler montanum</i> Crantz subsp. <i>siculum</i> (Spreng.) Iamonico, Bartolucci & F.Conti	Conti et al. (2021)
Apiaceae	<i>Laserpitium siculum</i> Spreng. var. <i>stabianum</i> Lacaita	<i>Siler montanum</i> Crantz subsp. <i>stabianum</i> (Lacaita) F.Conti & Bartolucci	Conti et al. (2021)
Apiaceae	<i>Laserpitium siler</i> L. var. <i>ovalifolium</i> Moris	<i>Siler montanum</i> Crantz subsp. <i>corrasianum</i> Bacch., Congiu, F.Conti & Bartolucci	Conti et al. (2021)
Plumbaginaceae	<i>Limonium graecum</i> (Poir.) Rech.f. subsp. <i>divaricatum</i> (Pignatti) Pignatti	<i>Limonium dubium</i> (Andrews ex Guss.) Litard.	Erben and Del Guacchio (2021)
Plumbaginaceae	<i>Limonium virgatum</i> (Willd.) Fourr. subsp. <i>divaricatum</i> Pignatti	<i>Limonium dubium</i> (Andrews ex Guss.) Litard.	Erben and Del Guacchio (2021)
Fabaceae	<i>Onobrychis pentelica</i> Hausskn.	<i>Onobrychis alba</i> (Waldst. & Kit.) Desv. subsp. <i>pentelica</i> (Hausskn.) Nyman	
Portulacaceae	<i>Portulaca oleracea</i> L. var. <i>granulatostellulata</i> Poelln.	<i>Portulaca oleracea</i> L.	
Portulacaceae	<i>Portulaca oleracea</i> L. var. <i>trituberculata</i> (Danin, Domina & Raimondo) J.-M.Tison	<i>Portulaca oleracea</i> L.	
Asparagaceae	<i>Prospero undulatum</i> (Desf.) Salisb.	<i>Charybdis purpurascens</i> (J.Jacq.) J.-M.Tison	
Poaceae	<i>Rostraria pubescens</i> Trin., nom. illeg.	<i>Rostraria cristata</i> (L.) Tzvelev	
Poaceae	<i>Sesleria apennina</i> Ujhelyi	<i>Sesleria juncifolia</i> Suffren subsp. <i>juncifolia</i>	
Poaceae	<i>Sesleria feretranza</i> Ubaldi	<i>Sesleria italica</i> (Pamp.) Ujhelyi	Di Pietro et al. (2021)
Poaceae	<i>Sesleria nitida</i> Ten. var. <i>candae</i> Ubaldi & Garavaglia	<i>Sesleria italica</i> (Pamp.) Ujhelyi	Di Pietro et al. (2021)
Poaceae	<i>Sesleria nitida</i> Ten. var. <i>pulchella</i> Chiosi	<i>Sesleria pulchella</i> (Chiosi) Ubaldi	Di Pietro et al. (2021)
Poaceae	<i>Sesleria nitida</i> Ten. var. <i>tenoreana</i> Pamp. f. <i>intermedia</i> sensu Pamp.	<i>Sesleria italica</i> (Pamp.) Ujhelyi	Di Pietro et al. (2021)
Poaceae	<i>Sesleria nitida</i> Ten. var. <i>tenoreana</i> Pamp. f. <i>macrostachya</i> Pamp.	<i>Sesleria italica</i> (Pamp.) Ujhelyi	Di Pietro et al. (2021)
Poaceae	<i>Sesleria nitida</i> Ten. var. <i>tenoreana</i> Pamp. f. <i>tenoreana</i>	<i>Sesleria italica</i> (Pamp.) Ujhelyi	Di Pietro et al. (2021)
Poaceae	<i>Sesleria nitida</i> Ten. var. <i>tenoreana</i> Pamp. F. <i>visianii</i> Pamp.	<i>Sesleria italica</i> (Pamp.) Ujhelyi	Di Pietro et al. (2021)
Plumbaginaceae	<i>Statice dictyoelada</i> Boiss. var. <i>dubia</i> (Andrews ex Guss.) Boiss.	<i>Limonium dubium</i> (Andrews ex Guss.) Litard.	Erben and Del Guacchio (2021)
Plumbaginaceae	<i>Statice virgata</i> Willd. var. <i>divaricata</i> Rouy, nom. illeg.	<i>Limonium dubium</i> (Andrews ex Guss.) Litard.	Erben and Del Guacchio (2021)
Plumbaginaceae	<i>Statice virgata</i> Willd. var. <i>reticulata</i> Boiss.	<i>Limonium dubium</i> (Andrews ex Guss.) Litard.	Erben and Del Guacchio (2021)
Poaceae	<i>Trisetaria pubescens</i> (Lam.) Kerguelen	<i>Rostraria litorea</i> (All.) Holub	
Poaceae	<i>Trisetum conradiae</i> Gamisans	<i>Trisetum gracile</i> (Moris) Boiss.	
Poaceae	<i>Vulpia attenuata</i> Parl.	<i>Festuca geniculata</i> (L.) Lag. & Rodr. subsp. <i>geniculata</i>	
Poaceae	<i>Vulpia geniculata</i> (L.) Link subsp. <i>attenuata</i> (Parl.) Trab.	<i>Festuca geniculata</i> (L.) Lag. & Rodr. subsp. <i>geniculata</i>	
Poaceae	<i>Vulpia geniculata</i> (L.) Link var. <i>attenuata</i> (Parl.) Fiori	<i>Festuca geniculata</i> (L.) Lag. & Rodr. subsp. <i>geniculata</i>	

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