

# Italian Botanist 14

## Supplementary data to Notulae to the Italian native vascular flora: 14

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

### 1. Nomenclatural updates

| Family         | Nomenclature according to Portal to the Flora of Italy (2022)   | Revised nomenclature   | References/Note  |
|----------------|---|--|--|
| Plumbaginaceae | <i>Armeria arenaria</i> (Pers.) Schult. subsp. <i>apennina</i> Arrigoni   | <i>Armeria arenaria</i> (Pers.) Schult. subsp. <i>marginata</i> (Levier) Arrigoni  | Tiburtini et al. (2022)  |
| Poaceae        | <i>Avena barbata</i> Pott ex Link subsp. <i>barbata</i>   | <i>Avena barbata</i> Pott ex Link  | Romero-Zarco and Sáez Goñalons (2022)  |
| Poaceae        | <i>Avena barbata</i> Pott ex Link subsp. <i>castellana</i> Romero Zarco   | <i>Avena castellana</i> (Romero Zarco) Romero Zarco  | Romero-Zarco and Sáez Goñalons (2022)  |
| Poaceae        | <i>Avena barbata</i> Pott ex Link subsp. <i>lusitanica</i> (Tab.Morais) Romero Zarco                                    | <i>Avena lusitanica</i> (Tab.Morais) B.R.Baum  | Romero-Zarco and Sáez Goñalons (2022)  |
| Poaceae        | <i>Avena barbata</i> Pott ex Link subsp. <i>wiestii</i> (Steud.) Mansf.   | <i>Avena wiestii</i> Steud.  | Romero-Zarco and Sáez Goñalons (2022)  |
| Poaceae        | <i>Avena barbata</i> Pott ex Link var. <i>saxatilis</i> Lojac.  | ? <i>Avena barbata</i> Pott ex Link var. <i>saxatilis</i> Lojac.   | Romero-Zarco and Sáez Goñalons (2022); synonym of <i>Avena wiestii</i> Steud.  |
| Poaceae        | <i>Avena matritensis</i> B.R.Baum   | <i>Avena barbata</i> Pott ex Link  | Romero-Zarco and Sáez Goñalons (2022)  |
| Poaceae        | <i>Avena matritensis sensu</i> B.R.Baum   | <i>Avena castellana</i> (Romero Zarco) Romero Zarco  | Romero-Zarco and Sáez Goñalons (2022)  |
| Poaceae        | <i>Avena saxatilis</i> (Lojac.) Rocha Afonso  | ? <i>Avena saxatilis</i> (Lojac.) Rocha Afonso   | Romero-Zarco and Sáez Goñalons (2022); synonym of <i>Avena wiestii</i> Steud.  |
| Apiaceae       | <i>Carum heldreichii</i> Boiss.   | <i>Carum carvifolium</i> (DC.) Arcang.   | POWO (2022); Endemic to Italy  |
| Asteraceae     | <i>Cirsium echinatum</i> (Desf.) DC.  | <i>Lophiolepis echinata</i> (Desf.) Del Guacchio, Bureš, Iamónico & P.Caputo   | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium eriophorum</i> (L.) Scop. subsp. <i>eriophorum</i>   | <i>Lophiolepis eriophora</i> (L.) Del Guacchio, Bureš, Iamónico & P.Caputo   | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium eriophorum</i> (L.) Scop. subsp. <i>spathulatum</i> (Moretti) Ces.   | <i>Lophiolepis spathulata</i> (Moretti) Del Guacchio, Bureš, Iamónico & P.Caputo   | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium ferox</i> (L.) DC.   | <i>Lophiolepis ferox</i> (L.) Del Guacchio, Bureš, Iamónico & P.Caputo   | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium italicum</i> DC.   | <i>Epitrachys italica</i> (DC.) Bureš, Del Guacchio, Iamónico & P.Caputo   | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium lacaitae</i> Petr.   | <i>Lophiolepis lacaitae</i> (Petr.) Del Guacchio, Bureš, Iamónico & P.Caputo   | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium lobelii</i> Ten.   | <i>Lophiolepis lobelii</i> (Ten.) Del Guacchio, Bureš, Iamónico & P.Caputo   | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium morisianum</i> Rchb.f.   | <i>Lophiolepis morisiana</i> (Rchb.f.) Del Guacchio, Bureš, Iamónico & P.Caputo  | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium scabrum</i> (Poir.) Bonnet & Barratte  | <i>Lophiolepis scabra</i> (Poir.) Del Guacchio, Bureš, Iamónico & P.Caputo   | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium tenoreanum</i> Petr.   | <i>Lophiolepis tenoreana</i> (Petr.) Del Guacchio, Bureš, Iamónico & P.Caputo  | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium vallis-demonii</i> Lojac.  | <i>Lophiolepis vallis-demonii</i> (Lojac.) Del Guacchio, Bureš, Iamónico & P.Caputo  | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cirsium vallis-demonii</i> Lojac. subsp. <i>calabrum</i> (Fiori) Del Guacchio, Bernardo, P.Caputo, Domina & Iamónico | <i>Lophiolepis vallis-demonii</i> (Lojac.) Del Guacchio, Bureš, Iamónico & P.Caputo subsp. <i>calabra</i> (Fiori) Del Guacchio, Bureš, Iamónico & P.Caputo | Del Guacchio et al. (2022)   |
| Asteraceae     | <i>Cynara cardunculus</i> L. subsp. <i>scolymus</i> (L.) Hegi   | <i>Cynara cardunculus</i> L. subsp. <i>cardunculus</i>   | POWO (2022)  |
| Berberidaceae  | <i>Epimedium alpinum</i> L.   | <i>Epimedium alpinum</i> L. subsp. <i>alpinum</i>  | Recently, <i>E. alpinum</i> subsp. <i>albanicum</i> Kit Tan, Shuka & Hallaçi was described as a new subspecies endemic to NE and E Albania (Shuka et al. 2019) |
| Euphorbiaceae  | <i>Euphorbia nicaeensis</i> All. subsp. <i>japygica</i> (Ten.) Arcang.  | <i>Euphorbia japygica</i> Ten.   | Stojilković et al. (2022)  |
| Euphorbiaceae  | <i>Euphorbia nicaeensis</i> All. subsp. <i>nicaeensis</i>   | <i>Euphorbia adriatica</i> Stojilković, Záveská & Frajman  | <i>Euphorbia nicaeensis</i> is distributed in northern Algeria, Morocco, Iberian Peninsula and southern France (Stojilković et al. 2022)                       |
| Globulariaceae | <i>Globularia meridionalis</i> (Podp.)  | <i>Globularia cordifolia</i> L. subsp. <i>bellidifolia</i>   | Within the <i>Globularia</i>   |

|                        |  |   |   |
|------------------------|--|---|---|
|                        | O.Schwarz  | (Nyman) Wettst.   | <i>cordifolia</i> species complex, a classification into three distinct species ( <i>G. cordifolia</i> , <i>G. neapolitana</i> and <i>G. meridionalis</i> ) is no more supported (Innangi et al. 2020). Recently, also <i>G. neapolitana</i> was accepted at subspecific level (Del Guacchio et al. 2020) |
| <b>Caryophyllaceae</b> | <i>Gypsophila haynaldiana</i> Janka  | <i>Gypsophila haynaldiana</i> Janka, nom. nud.  | Fassou et al. (2022); synonym of <i>Dianthus illyricus</i> (Ard.) Fassou, N.Korotkova, Dimop. & Borsch subsp. <i>haynaldianus</i> (Nyman) Fassou, N.Korotkova, Dimop. & Borsch  |
| <b>Fabaceae</b>        | <i>Lotus herbaceus</i> (Vill.) Jauzein   | <i>Lotus dorycnium</i> L. subsp. <i>herbaceus</i> (Vill.) Kramina & D.D. Sokoloff   | Kramina et al. (2022)   |
| <b>Caryophyllaceae</b> | <i>Mcneillia graminifolia</i> (Ard.) Dillenb. & Kadereit subsp. <i>clandestina</i> (Port.) Dillenb. & Kadereit                     | <i>Mcneillia rosanoi</i> (Ten.) F.Conti & Del Guacchio subsp. <i>clandestina</i> (Port.) Del Guacchio & F.Conti                               | De Luca et al. (2022)   |
| <b>Caryophyllaceae</b> | <i>Mcneillia graminifolia</i> (Ard.) Dillenb. & Kadereit subsp. <i>graminifolia</i>  | <i>Mcneillia graminifolia</i> (Ard.) Dillenb. & Kadereit  | De Luca et al. (2022)   |
| <b>Caryophyllaceae</b> | <i>Mcneillia graminifolia</i> (Ard.) Dillenb. & Kadereit subsp. <i>rosanoi</i> (Ten.) F.Conti, Bartolucci, Iamónico & Del Guacchio | <i>Mcneillia rosanoi</i> (Ten.) F.Conti & Del Guacchio subsp. <i>rosanoi</i>  | De Luca et al. (2022)   |
| <b>Caryophyllaceae</b> | <i>Mcneillia moraldoi</i> (F.Conti) Dillenb. & Kadereit  | <i>Mcneillia rosanoi</i> (Ten.) F.Conti & Del Guacchio subsp. <i>moraldoi</i> (F.Conti) Del Guacchio & F.Conti                                | De Luca et al. (2022)   |
| <b>Poaceae</b>         | <i>Patzkea coerulescens</i> (Desf.) H.Scholz   | <i>Locajonoa coerulescens</i> (Desf.) Soreng  | Soreng et al. (2022)  |
| <b>Caryophyllaceae</b> | <i>Petrorhagia illyrica</i> (Ard.) P.W.Ball & Heywood subsp. <i>haynaldiana</i> (F.N.Williams) P.W.Ball & Heywood                  | <i>Dianthus illyricus</i> (Ard.) Fassou, N.Korotkova, Dimop. & Borsch subsp. <i>haynaldianus</i> (Nyman) Fassou, N.Korotkova, Dimop. & Borsch | Fassou et al. (2022)  |
| <b>Boraginaceae</b>    | <i>Pulmonaria vallisae</i> A.Kern. subsp. <i>apennina</i> (Cristof. & Puppi) L.Cecchi & Selvi                                      | <i>Pulmonaria hirta</i> L.  | Liu et al. (2022)   |
| <b>Boraginaceae</b>    | <i>Pulmonaria vallisae</i> A.Kern. subsp. <i>vallisae</i>  | <i>Pulmonaria hirta</i> L.  | Liu et al. (2022)   |
| <b>Amaranthaceae</b>   | <i>Salsola oppositifolia</i> Desf.   | <i>Soda oppositifolia</i> (Desf.) Akhani  | Rudov et al. (2020)   |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. subsp. <i>aethnensis</i> (Jan ex DC.) Greuter  | <i>Senecio aethnensis</i> Jan ex DC.  | Barone et al. (2022)  |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. subsp. <i>aurasicus</i> (Batt.) C.Alexander  | <i>Senecio balansae</i> Boiss. & Reut.  | Barone et al. (2022)  |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. subsp. <i>calabrus</i> (Fiori) Peruzzi & Bernardo  | <i>Senecio calabrus</i> (Fiori) Peruzzi   | Barone et al. (2022)  |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. subsp. <i>chrysanthemifolius</i> (Poir.) Greuter   | <i>Senecio siculus</i> All.   | Barone et al. (2022)  |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. subsp. <i>microglossus</i> (Guss.) Arcang.   | <i>Senecio siculus</i> All.   | Barone et al. (2022); the correct name of the synonym is <i>Senecio squalidus</i> L. subsp. <i>microglossus</i> (DC.) Arcang.   |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. subsp. <i>rupestris</i> (Waldst. & Kit.) Greuter   | <i>Senecio rupestris</i> Waldst. & Kit.   | Barone et al. (2022)  |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. subsp. <i>sardous</i> Greuter  | <i>Senecio sardous</i> (Greuter) Arrigoni   | Barone et al. (2022)  |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. var. <i>microglossus</i> Guss.   | <i>Senecio squalidus</i> L. var. <i>microglossus</i> (DC.) Guss.  | Barone et al. (2022); synonym of <i>Senecio siculus</i> All.  |
| <b>Caryophyllaceae</b> | <i>Silene martinolii</i> Bocchieri & Mulas   | <i>Silene neglecta</i> Ten.   | Sáez et al. (2022)  |
| <b>Caryophyllaceae</b> | <i>Silene mutabilis</i> L.   | <i>Silene neglecta</i> Ten.   | Sáez et al. (2022)  |
| <b>Asteraceae</b>      | <i>Taraxacum</i> sect. <i>Alpestris</i> Soest  | <i>Taraxacum</i> sect. <i>Rhodocarpa</i> Soest  | Štěpánek and Kirschner (2022); the correct name of the synonym is <i>Taraxacum</i> sect. <i>Alpestris</i> (Soest) Soest   |
| <b>Ranunculaceae</b>   | <i>Thalictrum minus</i> L. subsp. <i>saxatile</i> Ces.   | <i>Thalictrum minus</i> L. subsp. <i>saxatile</i> (Moritz) Ces.   | Hand (2022)   |
| <b>Poaceae</b>         | <i>Trisetaria aurea</i> (Ten.) Banfi & Galasso   | <i>Trisetaria aurea</i> (Ten.) Pignatti ex Kerguélen  | Verified protologues  |
| <b>Violaceae</b>       | <i>Viola arvensis</i> Murray subsp. <i>arvensis</i>  | <i>Viola arvensis</i> Murray  | Marcussen et al. (2022)   |
| <b>Violaceae</b>       | <i>Viola arvensis</i> Murray subsp. <i>megalantha</i> Nauenb.  | <i>Viola arvensis</i> Murray  | Marcussen et al. (2022)   |
| <b>Violaceae</b>       | <i>Viola canina</i> L. subsp. <i>canina</i>  | <i>Viola canina</i> L.  | Marcussen et al. (2022)   |

|                  |  |  |                         |
|------------------|--|--|-------------------------|
| <b>Violaceae</b> | <i>Viola canina</i> L. subsp. <i>schantzii</i> (Billot) Döll       | <i>Viola canina</i> L.   | Marcussen et al. (2022) |
| <b>Violaceae</b> | <i>Viola cavillieri</i> W.Becker                                   | <i>Viola calcarata</i> L. subsp. <i>cavillieri</i> (W.Becker) Merxm. & W.Lippert | Marcussen et al. (2022) |
| <b>Violaceae</b> | <i>Viola riviniana</i> Rechb. subsp. <i>riviniana</i>              | <i>Viola riviniana</i> Rechb.  | Marcussen et al. (2022) |
| <b>Violaceae</b> | <i>Viola suavis</i> M.Bieb. subsp. <i>adriatica</i> (Frey) Hasler  | <i>Viola suavis</i> M.Bieb.  | Marcussen et al. (2022) |
| <b>Violaceae</b> | <i>Viola suavis</i> M.Bieb. subsp. <i>suavis</i>                   | <i>Viola suavis</i> M.Bieb.  | Marcussen et al. (2022) |
| <b>Violaceae</b> | <i>Viola tricolor</i> L. subsp. <i>saxatilis</i> (F.W.Schmidt) Jan | <i>Viola tricolor</i> L.   | Marcussen et al. (2022) |
| <b>Violaceae</b> | <i>Viola tricolor</i> L. subsp. <i>tricolor</i>                    | <i>Viola tricolor</i> L.   | Marcussen et al. (2022) |

## 2. Note updates

| Family               | Taxon   | Note update  | References                 |
|----------------------|---|--|----------------------------|
| <b>Brassicaceae</b>  | <i>Brassica rapa</i> L.                             | In LAZ this species is no longer recorded, but some casual plants escaped from cultivation may be found.   | Alessandrini et al. (2020) |
| <b>Asteraceae</b>    | <i>Senecio rupestris</i> L. subsp. <i>rupestris</i> | The records of <i>S. rupestris</i> s.str. from Sicily should be referred to <i>Senecio ×glaber</i> Ucria   | Barone et al. (2022)       |
| <b>Amaranthaceae</b> | <i>Sida oppositifolia</i> (Desf.) Akhani            | <del><i>Salsola oppositifolia</i> is phylogenetically close to several other <i>Salsola</i> species which are neatly separated (Schussler et al. 2017) from the clade including the generic type <i>S. kali</i> L. However, the phylogenetic position of <i>S. oppositifolia</i> is not yet clear (S.L. Mosyakin and H. Freitag, in litteris) and, for this reason, we provisionally abstain from proposing nomenclatural changes.</del> | Rudov et al. (2020)        |

## 3. Distribution updates

| Family                | Taxon   | Distribution update                            | References/Note  |
|-----------------------|---|--|--|
| <b>Asteraceae</b>     | <i>Achillea roseoalba</i> Ehrend.   | P A CAS MOL                                    | Buono et al. (2022)  |
| <b>Asteraceae</b>     | <i>Achillea rupestris</i> Huter, Porta & Rigo subsp. <i>rupestris</i>                                       | P BAS  | Canzoneri et al. (2022a)   |
| <b>Lamiaceae</b>      | <i>Ajuga pyramidalis</i> L. subsp. <i>meonanthe</i> (Hoffmanns. & Link) Fern.Casas                          | P ITA; P LIG                                   | Longo et al. (2022b)   |
| <b>Amaryllidaceae</b> | <i>Allium cyrilli</i> Ten.  | P LIG  | Longo et al. (2022b)   |
| <b>Amaryllidaceae</b> | <i>Allium trifoliatum</i> Cirillo   | P MOL  | Buono et al. (2022)  |
| <b>Plumbaginaceae</b> | <i>Armeria arenaria</i> (Pers.) Schult. subsp. <i>arenaria</i>  | NP ITA; NP VDA, NP PIE, NP LOM, NP LIG, NP EMR | Tiburtini et al. (2022)  |
| <b>Plumbaginaceae</b> | <i>Armeria arenaria</i> (Pers.) Schult. subsp. <i>praecox</i> (Jord.) Kerguelen ex Greuter, Burdet & G.Long | P ITA; P VDA, P PIE, P LOM, P LIG, P EMR       | Tiburtini et al. (2022)  |
| <b>Asteraceae</b>     | <i>Artemisia absinthium</i> L.  | P A CAS CAL                                    | Spampinato et al. (2022)   |
| <b>Fabaceae</b>       | <i>Astragalus danicus</i> Retz.   | P LIG  | Longo et al. (2022b)   |
| <b>Brassicaceae</b>   | <i>Aurinia saxatilis</i> (L.) Desv.   | P A CAS PIE, P A CAS LIG                       | Longo et al. (2022a, 2022b)  |
| <b>Poaceae</b>        | <i>Avena hirtula</i> Lag.   | P ITA; P SAR, P SIC                            | Romero-Zarco and Sáez Goñalons (2022);                             |
| <b>Brassicaceae</b>   | <i>Brassica nigra</i> (L.) W.D.J.Koch   | NC C CAL                                       | Spampinato et al. (2022)   |
| <b>Apiaceae</b>       | <i>Bupleurum fruticosum</i> L.  | P C LIG  | Mariotti and Zappa (2022)  |
| <b>Apiaceae</b>       | <i>Bupleurum lancifolium</i> Hornem.  | P MOL, P PUG                                   | Buono et al. (2022)  |
| <b>Apiaceae</b>       | <i>Cachrys pungens</i> Jan ex Guss.   | P BAS  | Canzoneri et al. (2022a)   |
| <b>Capparidaceae</b>  | <i>Capparis spinosa</i> L.  | P A NAT EMR                                    | Alessandrini et al. (2022)   |
| <b>Brassicaceae</b>   | <i>Cardamine amara</i> L. subsp. <i>amara</i>   | P LIG  | Longo et al. (2022b)   |
| <b>Asteraceae</b>     | <i>Carduus collinus</i> Waldst. & Kit. subsp. <i>collinus</i>   | P CAL  | Caruso et al. (2022)   |
| <b>Asteraceae</b>     | <i>Centaurea benedicta</i> (L.) L.  | P C BAS  | Canzoneri et al. (2022a)   |
| <b>Asteraceae</b>     | <i>Centaurea jacea</i> L. subsp. <i>jacea</i>   | P EMR  | Alessandrini et al. (2022)   |
| <b>Asteraceae</b>     | <i>Centaurea valdemonesis</i> Domina, Di Grist., Barone   | E, P ITA; P SIC                                | Domina et al. (2022)   |
| <b>Fabaceae</b>       | <i>Cercis siliquastrum</i> L. subsp. <i>siliquastrum</i>  | P A NAT LIG                                    | Mariotti and Zappa (2022)  |
| <b>Boraginaceae</b>   | <i>Cerithia minor</i> L. subsp. <i>auriculata</i> (Ten.) Domac  | P LIG, P MOL                                   | Longo et al. (2022b), Bueno et al. (2022)                          |
| <b>Euphorbiaceae</b>  | <i>Chrozophora tinctoria</i> (L.) A.Juss.   | P A CAS LOM                                    | Longo et al. (2022c)   |
| <b>Asteraceae</b>     | <i>Cirsium tuberosum</i> (L.) All.  | P EMR  | Alessandrini et al. (2022)   |
| <b>Cistaceae</b>      | <i>Cistus crispus</i> L.  | P A NAT LIG                                    | Mariotti and Zappa (2022)  |
| <b>Lamiaceae</b>      | <i>Clinopodium nepeta</i> (L.) Kuntze subsp. <i>spruneri</i> (Boiss.) Bartolucci & F.Conti                  | P PIE  | Longo et al. (2022a)   |
| <b>Convolvulaceae</b> | <i>Convolvulus althaeoides</i> L.   | P MAR  | Canzoneri et al. (2022c)   |
| <b>Asteraceae</b>     | <i>Crepis vesicaria</i> L.  | P-VDA  | Not present in VDA (Bovio 2014), erroneously indicated as P VDA in |

|               |   |              |   |
|---------------|---|--------------|---|
|               |   |              | Bartolucci et al. (2022)  |
| Primulaceae   | <i>Cyclamen hederifolium</i> Aiton subsp. <i>hederifolium</i>                               | P A NAT PIE  | Selvaggi et al. (2022)  |
| Primulaceae   | <i>Cyclamen purpurascens</i> Mill. subsp. <i>purpurascens</i>                               | P LIG        | Longo et al. (2022b)  |
| Poaceae       | <i>Deschampsia cespitosa</i> (L.) P.Beauv. subsp. <i>parviflora</i> (Thuill.) Dumort.       | P EMR        | Alessandrini et al. (2022)  |
| Poaceae       | <i>Digitaria ischaemum</i> (Schreb.) Muhl. subsp. <i>ischaemum</i>                          | P C CAL      | Spampinato et al. (2022)  |
| Brassicaceae  | <i>Draba aspera</i> Bertol.   | P MOL        | Buono et al. (2022)   |
| Apiaceae      | <i>Echinops ritro</i> L.  | P BAS        | Canzoneri et al. (2022a)  |
| Onagraceae    | <i>Epilobium alpestre</i> (Jacq.) Krock.  | NC MOL       | Conti and Bartolucci (2022)   |
| Geraniaceae   | <i>Erodium botrys</i> (Cav.) Bertol.  | P LIG        | Longo et al. (2022b)  |
| Geraniaceae   | <i>Erodium salzmännii</i> Delile  | D CAL        | Caruso et al. (2022) only tentatively report this species for Calabria.   |
| Euphorbiaceae | <i>Euphorbia esula</i> L. subsp. <i>tommasiniana</i> (Bertol.) Kuzmanov                     | P LIG        | Longo et al. (2022b)  |
| Euphorbiaceae | <i>Euphorbia taurinensis</i> All.   | P LIG        | Longo et al. (2022b)  |
| Apiaceae      | <i>Ferula communis</i> L. subsp. <i>communis</i>  | P C LIG      | Mariotti and Zappa (2022)   |
| Poaceae       | <i>Festuca rubra</i> L. subsp. <i>commutata</i> (Gaudin) Markgr.-Dann.                      | P BAS        | Canzoneri et al. (2022a)  |
| Ranunculaceae | <i>Ficaria verna</i> Huds. subsp. <i>ficariiformis</i> (F.W.Schultz) B.Walln.               | P VEN        | Longo et al. (2022c)  |
| Asteraceae    | <i>Filago arvensis</i> L.   | P TOS        | Selvi (2010)  |
| Frankeniaceae | <i>Frankenia laevis</i> L. subsp. <i>laevis</i>   | P SIC        | Buono et al. (2022)   |
| Papaveraceae  | <i>Fumaria officinalis</i> L. subsp. <i>wirtgenii</i> (W.D.J.Koch) Arcang.                  | P PIE        | Longo et al. (2022a)  |
| Lamiaceae     | <i>Galeopsis sulphurea</i> Jord.  | P LIG        | Longo et al. (2022b)  |
| Rubiaceae     | <i>Galium mollugo</i> L.  | P CAM        | Buono et al. (2022)   |
| Fabaceae      | <i>Genista cilentina</i> Vals.  | T ITA        | Taxonomically doubtful; possibly not distinct from <i>G. numidica</i> Spach and indeed introduced (De Marco et al. 1987, De Castro et al. 2015) |
| Geraniaceae   | <i>Geranium lanuginosum</i> Lam.  | NC ABR       | Conti and Bartolucci (2022)   |
| Cistaceae     | <i>Helianthemum jonium</i> Lacaita & Grosser  | P CAL        | Caruso et al. (2022)  |
| Apiaceae      | <i>Heracleum sibiricum</i> L. subsp. <i>sibiricum</i>                                       | P EMR        | Alessandrini et al. (2022)  |
| Asteraceae    | <i>Hieracium arolae</i> (Murr) Zahn subsp. <i>macrocalathium</i> Zahn                       | P TAA        | Buono et al. (2022)   |
| Asteraceae    | <i>Hieracium atratum</i> Fr.  | P LOM        | Longo et al. (2022c)  |
| Asteraceae    | <i>Hieracium australe</i> Fr.   | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium barbulare</i> Zahn   | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium benzianum</i> Murr & Zahn  | P PIE        | Longo et al. (2022a)  |
| Asteraceae    | <i>Hieracium caesioides</i> Arv.-Touv. subsp. <i>liguricola</i> Zahn                        | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium caesioides</i> Arv.-Touv. subsp. <i>supraglauciforme</i> Zahn                  | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium cavillieri</i> Zahn subsp. <i>cavillieri</i>                                   | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium chloropsis</i> Gren. & Godr. subsp. <i>erioleion</i> (Nägeli & Peter) Zahn     | P PIE        | Longo et al. (2022a)  |
| Asteraceae    | <i>Hieracium cirritum</i> Arv.-Touv. subsp. <i>cirritum</i>                                 | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium cydoniifolium</i> Vill. subsp. <i>mespilifolium</i> (Arv.-Touv.) Zahn          | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium dermatophyllum</i> Arv.-Touv. subsp. <i>juranigenum</i> (Zahn) Greuter         | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium erioleucum</i> Zahn subsp. <i>albatum</i> (Nägeli & Peter) Zahn                | P PIE        | Longo et al. (2022a)  |
| Asteraceae    | <i>Hieracium erioleucum</i> Zahn subsp. <i>albatum</i> (Nägeli & Peter) Zahn                | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium froelichianum</i> H.Buek subsp. <i>subvulsum</i> (Zahn) Gottschl. & Greuter    | P PIE        | Longo et al. (2022a)  |
| Asteraceae    | <i>Hieracium glaucinum</i> Jord. subsp. <i>furcillatum</i> (Jord. ex Boreau) O.Bolòs & Vigo | P ITA; P LIG | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium glaucinum</i> Jord. subsp. <i>glaucinum</i>                                    | P LIG        | Longo et al. (2022b)  |
| Asteraceae    | <i>Hieracium glaucum</i> All. subsp. <i>chrysostylum</i> Nägeli & Peter                     | P PIE        | Selvaggi et al. (2022)  |
| Asteraceae    | <i>Hieracium hypchoeroides</i> S.Gibson subsp. <i>prasinophyton</i> (Zahn) Greuter          | P PIE        | Longo et al. (2022a)  |
| Asteraceae    | <i>Hieracium jordanii</i> Arv.-Touv. subsp. <i>pseudotomentosum</i> (Nägeli & Peter) Zahn   | P PIE        | Longo et al. (2022a)  |
| Asteraceae    | <i>Hieracium jurassicum</i> Griseb. subsp. <i>constrictiforme</i> (Zahn) Greuter            | P PIE        | Longo et al. (2022a)  |
| Asteraceae    | <i>Hieracium jurassicum</i> Griseb. subsp. <i>pseudojuranum</i> (Arv.-Touv.) Greuter        | P LIG        | Longo et al. (2022b)  |

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| Asteraceae     | <i>Hieracium lychnioides</i> Arv.-Touv.   | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium neoplatyphyllum</i> Gottschl.  | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium obscuratum</i> Murr subsp. <i>nigratum</i> (Murr & Zahn) Greuter                       | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium obscuratum</i> Murr subsp. <i>obscuratum</i>   | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium pellitum</i> Fr. subsp. <i>pictifolium</i> Zahn  | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium pellitum</i> Fr. subsp. <i>prasinellum</i> (C.Bicknell & Zahn) Zahn                    | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium pilosum</i> Schleich. ex Froel.  | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium pizense</i> Zahn   | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium planchonianum</i> Timb.-Lagr. & Loret subsp. <i>pseudosetibifidum</i> (Zahn) Greuter   | P ITA, P PIE | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium prenanthoides</i> Vill. subsp. <i>prenanthoides</i>                                    | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium pseudoprasinops</i> Zahn subsp. <i>pseudoprasinops</i>                                 | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium pulchellum</i> Gren. ex Griseb. subsp. <i>pulchellum</i>                               | P PIE        | Selvaggi et al. (2022)  |
| Asteraceae     | <i>Hieracium pulchellum</i> Gren. ex Griseb. subsp. <i>pleioscapum</i> Zahn                         | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium pulchellum</i> Gren. ex Griseb. subsp. <i>pulchellum</i>                               | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium racemosum</i> Waldst. & Kit. ex Willd. subsp. <i>italicum</i> Fr. ex Zahn              | P LAZ        | Buono et al. (2022)   |
| Asteraceae     | <i>Hieracium ramosissimum</i> Schleich. ex Hegetschw. subsp. <i>lactucifolium</i> (Arv.-Touv.) Rouy | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium rapunculoides</i> Arv.-Touv. subsp. <i>rapunculoides</i>                               | P PIE        | Selvaggi et al. (2022)  |
| Asteraceae     | <i>Hieracium rapunculoides</i> Arv.-Touv. subsp. <i>rapunculoides</i>                               | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium rapunculoides</i> Arv.-Touv. subsp. <i>rapunculoides</i>                               | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium sabaudum</i> L. subsp. <i>sabaudiforme</i> Zahn  | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium scorzonrifolium</i> Vill. subsp. <i>basiglauca</i> Nägeli & Peter                      | P ITA, P TAA | Buono et al. (2022); cited as <i>Hieracium scorzonrifolium</i> Vill. subsp. <i>lasiglauca</i> Nägeli & Peter by mistake (G. Gottschlich, pers. comm.) |
| Asteraceae     | <i>Hieracium symphytaceum</i> Arv.-Touv. subsp. <i>sarracenicum</i> (Arv.-Touv. & Belli) Zahn       | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium tenuiflorum</i> Arv.-Touv.   | P MAR        | Canzoneri et al. (2022c)  |
| Asteraceae     | <i>Hieracium umbrosum</i> Jord. subsp. <i>crepidifolium</i> (Arv.-Touv.) Zahn                       | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium valdepiosum</i> Vill. subsp. <i>elongatum</i> Willd. ex Zahn                           | P PIE        | Longo et al. (2022a)  |
| Asteraceae     | <i>Hieracium verbascifolium</i> Vill. subsp. <i>mallophorum</i> (Nägeli & Peter) Zahn               | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Hieracium viride</i> Arv.-Touv. subsp. <i>caeruleum</i> (Arv.-Touv.) Zahn                        | P PIE        | Selvaggi et al. (2022)  |
| Asteraceae     | <i>Hieracium viscosum</i> Arv.-Touv. subsp. <i>lactuoides</i> Zahn                                  | P LIG        | Longo et al. (2022b)  |
| Crassulaceae   | <i>Hylotelephium maximum</i> (L.) Holub subsp. <i>maximum</i>                                       | P A CAS SAR  | Buono et al. (2022)   |
| Hypericaceae   | <i>Hypericum hircinum</i> L. subsp. <i>hircinum</i>   | NP CAL       | The record by Caruso et al. (2022) is wrong (L. Peruzzi, pers. comm.)   |
| Asteraceae     | <i>Hypochaeris facchiniana</i> Ambrosi  | P LOM        | Longo et al. (2022c)  |
| Brassicaceae   | <i>Iberis pinnata</i> L.  | P LIG        | Longo et al. (2022b)  |
| Juncaceae      | <i>Juncus fontanesii</i> J.Gay  | P BAS        | Canzoneri et al. (2022a)  |
| Juncaceae      | <i>Juncus fontanesii</i> J.Gay subsp. <i>fontanesii</i>   | P TAA        | Pedrotti (2022)   |
| Apiaceae       | <i>Lagoecia cuminoides</i> L.   | P PUG        | Buono et al. (2022)   |
| Fabaceae       | <i>Lathyrus odoratus</i> L.   | P A CAS VEN  | Longo et al. (2022c)  |
| Fabaceae       | <i>Lathyrus pratensis</i> L. subsp. <i>lusseri</i> (Heer ex W.D.J.Koch) Soják                       | P EMR        | Alessandrini et al. (2022)  |
| Asteraceae     | <i>Leontodon saxatilis</i> Lam. subsp. <i>rothii</i> Maire  | P LIG        | Longo et al. (2022b)  |
| Asteraceae     | <i>Leontodon sicularis</i> (Guss.) Nyman  | P CAL        | Caruso et al. (2022)  |
| Plumbaginaceae | <i>Limoniastrum monopetalum</i> (L.) Boiss.   | P LIG        | Longo et al. (2022b)  |
| Plumbaginaceae | <i>Limonium sinuatum</i> (L.) Mill.   | P A CAS EMR  | Alessandrini et al. (2022)  |
| Asparagaceae   | <i>Loncomelos narbonense</i> (L.) Raf.  | P LOM        | Longo et al. (2022c)  |
| Juncaceae      | <i>Luzula sylvatica</i> (Huds.) Gaudin subsp. <i>sylvatica</i>                                      | P MOL        | Buono et al. (2022)   |
| Solanaceae     | <i>Lycium europaeum</i> L.  | P C CAL      | Spampinato et al. (2022)  |

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| <b>Solanaceae</b>       | <i>Lycium schweinfurthii</i> Dammer   | P SIC   | Monteleone et al. (2022)   |
| <b>Fabaceae</b>         | <i>Medicago rugosa</i> Desr.  | P MOL   | Buono et al. (2022)  |
| <b>Orobanchaceae</b>    | <i>Melampyrum cataulaenicum</i> Freyn   | P PIE   | Longo et al. (2022a)   |
| <b>Asparagaceae</b>     | <i>Muscari parviflorum</i> Desf.  | P TOS   | Canzoneri et al. (2022b)   |
| <b>Boraginaceae</b>     | <i>Myosotis sylvatica</i> Hoffm. subsp. <i>sylvatica</i>  | P MAR   | Ballelli (2020)  |
| <b>Myrtaceae</b>        | <i>Myrtus communis</i> L.   | P A CAS EMR                                   | Alessandrini et al. (2022)   |
| <b>Amaryllidaceae</b>   | <i>Narcissus tazetta</i> L. subsp. <i>italicus</i> (Ker Gawl.) Baker  | P A CAS PUG                                   | Buono et al. (2022)  |
| <b>Brassicaceae</b>     | <i>Nasturtium microphyllum</i> (Boenn.) Rchb.   | P EMR   | Alessandrini et al. (2022)   |
| <b>Apocynaceae</b>      | <i>Nerium oleander</i> L.   | P PUG   | Buono et al. (2022)  |
| <b>Orobanchaceae</b>    | <i>Odontites luteus</i> (L.) Clairv. subsp. <i>lanceolatus</i> (Gaudin) P.Fourn.  | P LIG   | Longo et al. (2022b)   |
| <b>Fabaceae</b>         | <i>Onobrychis alba</i> (Waldst. & Kit.) Desv. subsp. <i>pentelica</i> (Hausskn.) Nyman                                      | P LAZ   | Conti et al. (2022)  |
| <b>Fabaceae</b>         | <i>Ononis rotundifolia</i> L.   | P LIG   | Longo et al. (2022b)   |
| <b>Orchidaceae</b>      | <i>Ophrys appennina</i> Romolini & Soca   | P LOM   | Longo et al. (2022c)   |
| <b>Orchidaceae</b>      | <i>Ophrys iricolor</i> Desf. subsp. <i>eleonora</i> (Devillers-Tersch. & Devillers) Paulus & Gack ex Kreutz                 | P SIC   | Giordano et al. (2021 sub <i>Ophrys fusca</i> subsp. <i>iricolor</i> ) |
| <b>Orchidaceae</b>      | <i>Ophrys pinguis</i> Romolini & Soca   | P MOL   | Buono et al. (2022)  |
| <b>Orchidaceae</b>      | <i>Ophrys speculum</i> Link   | P PIE   | Selvaggi et al. (2022)   |
| <b>Orchidaceae</b>      | <i>Orchis mascula</i> (L.) L. subsp. <i>mascula</i>   | P PIE   | Selvaggi et al. (2022)   |
| <b>Orchidaceae</b>      | <i>Orchis mascula</i> (L.) L. subsp. <i>speciosa</i> (Mutel) Hegi   | P MAR, P MOL                                  | Canzoneri et al. (2022c), Buono et al. (2022)                          |
| <b>Orobanchaceae</b>    | <i>Orobanche centaurina</i> Bertol.   | P LIG, P MAR                                  | Longo et al. (2022b), Canzoneri et al. (2022c)                         |
| <b>Papaveraceae</b>     | <i>Papaver dubium</i> L.  | P C CAL                                       | Spampinato et al. (2022)   |
| <b>Poaceae</b>          | <i>Parapholis strigosa</i> (Dumort.) C.E.Hubb.  | P BAS   | Canzoneri et al. (2022a)   |
| <b>Apocynaceae</b>      | <i>Periploca graeca</i> L.  | P A NAT PIE                                   | Selvaggi et al. (2022)   |
| <b>Orobanchaceae</b>    | <i>Phelipanche purpurea</i> (Jacq.) Soják   | P LIG   | Longo et al. (2022b)   |
| <b>Campanulaceae</b>    | <i>Phyteuma globulariifolium</i> Sternb. & Hoppe subsp. <i>pedemontanum</i> (Rich.Schulz) Bech. ex Greuter, Burdet & G.Long | P LIG   | Longo et al. (2022b)   |
| <b>Campanulaceae</b>    | <i>Phyteuma michelii</i> All.   | P LIG   | Longo et al. (2022b)   |
| <b>Asteraceae</b>       | <i>Pilosella acutifolia</i> (Vill.) Arv.-Touv.  | P PIE   | Longo et al. (2022a)   |
| <b>Asteraceae</b>       | <i>Pilosella aletschensis</i> (Zahn) Soják  | P LIG   | Longo et al. (2022b)   |
| <b>Asteraceae</b>       | <i>Pilosella amphipolia</i> (Nägeli & Peter) Gottschl.  | P PIE   | Selvaggi et al. (2022)   |
| <b>Asteraceae</b>       | <i>Pilosella cinerosiformis</i> (Nägeli & Peter) Gottschl.  | P LIG   | Longo et al. (2022b)   |
| <b>Asteraceae</b>       | <i>Pilosella fulviseta</i> (Bertol.) Soják  | P BAS   | Canzoneri et al. (2022a)   |
| <b>Asteraceae</b>       | <i>Pilosella fusca</i> (Vill.) Arv.-Touv. subsp. <i>atropurpurea</i> Nägeli & Peter   | P ITA; P PIE                                  | Selvaggi et al. (2022)   |
| <b>Asteraceae</b>       | <i>Pilosella guthnikiana</i> (Hegetschw.) Soják subsp. <i>rubrisabina</i> (Nägeli & Peter) H.P. Fuchs                       | P ITA; P PIE                                  | Selvaggi et al. (2022)   |
| <b>Asteraceae</b>       | <i>Pilosella hoppeana</i> (Schult.) F.W.Schultz & Sch.Bip.  | D TOS   | Barbero and Bono (1973)  |
| <b>Asteraceae</b>       | <i>Pilosella hoppeana</i> (Schult.) F.W.Schultz & Sch.Bip. subsp. <i>macrantha</i> (Ten.) S.Bräut. & Greuter                | P BAS   | Canzoneri et al. (2022a)   |
| <b>Asteraceae</b>       | <i>Pilosella piloselloides</i> (Vill.) Soják subsp. <i>obscura</i> (Rchb.) Gottschl. & Schuhw.                              | P ITA; P LIG                                  | Longo et al. (2022b)   |
| <b>Asteraceae</b>       | <i>Pilosella tardiuscula</i> (Peter) Soják  | P PIE   | Selvaggi et al. (2022)   |
| <b>Lentibulariaceae</b> | <i>Pinguicula lattanzziae</i> Peruzzi & Gestri  | P EMR   | Alessandrini et al. (2022)   |
| <b>Salicaceae</b>       | <i>Populus nigra</i> L. subsp. <i>neapolitana</i> (Ten.) Maire  | P CAL   | Caruso et al. (2022)   |
| <b>Rosaceae</b>         | <i>Poterium sanguisorba</i> L. subsp. <i>sanguisorba</i>  | P BAS   | Canzoneri et al. (2022a)   |
| <b>Apiaceae</b>         | <i>Prangos ferulacea</i> (L.) Lindl.  | P TOS   | Canzoneri et al. (2022b)   |
| <b>Rosaceae</b>         | <i>Prunus avium</i> (L.) L.   | P A CAS CAL                                   | Spampinato et al. (2022)   |
| <b>Poaceae</b>          | <i>Puccinellia festuciformis</i> (Host) Parl. subsp. <i>lagascana</i> M.A.Juliá & J.M.Monts.                                | P EMR   | Alessandrini et al. (2022)   |
| <b>Fagaceae</b>         | <i>Quercus coccifera</i> L.   | P C LIG                                       | Mariotti and Zappa (2022)  |
| <b>Ranunculaceae</b>    | <i>Ranunculus acris</i> L. subsp. <i>friesianus</i> (Jord.) Syme  | P EMR   | Alessandrini et al. (2022)   |
| <b>Ranunculaceae</b>    | <i>Ranunculus breyninus</i> Crantz  | P PIE   | Longo et al. (2022a)   |
| <b>Ranunculaceae</b>    | <i>Ranunculus chius</i> DC.   | P LIG   | Longo et al. (2022b)   |
| <b>Ranunculaceae</b>    | <i>Ranunculus gracilis</i> E.D.Clarke   | NP-PIE, NC EMR, NP-UMB, P LAZ, NP PUG, NC SIC | Bartolucci et al. (2022)   |
| <b>Ranunculaceae</b>    | <i>Ranunculus istmichus</i> Boiss.  | P SIC   | Giardina et al. (2007), Sciandrello et al. (2020), Buono et al. (2022) |
| <b>Grossulariaceae</b>  | <i>Ribes multiflorum</i> Kit. ex Roem. & Schult.  | P EMR   | Alessandrini et al. (2022)   |

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|                  | subsp. <i>multiflorum</i>   |  |  |
| Iridaceae        | <i>Romulea ramiflora</i> Ten. subsp. <i>ramiflora</i>                                       | P CAM                                    | Buono et al. (2022)  |
| Rosaceae         | <i>Rosa abietina</i> Gren. ex Christ  | P PIE                                    | Longo et al. (2022a)   |
| Rosaceae         | <i>Rosa heckeliana</i> Tratt.   | P BAS                                    | Canzoneri et al. (2022a)   |
| Polygonaceae     | <i>Rumex palustris</i> Sm.  | P PUG                                    | Buono et al. (2022)  |
| Asparagaceae     | <i>Ruscus hypophyllum</i> L.  | P A CAS EMR                              | Alessandrini et al. (2022)   |
| Salicaceae       | <i>Salix mielichhoferi</i> Saut.  | P FVG                                    | Buono et al. (2022)  |
| Salicaceae       | <i>Salix purpurea</i> L. subsp. <i>angustior</i> Lautenschl.                                | P VEN                                    | Longo et al. (2022c)   |
| Amaranthaceae    | <i>Salsola squarrosa</i> Steven ex Moq. subsp. <i>controversa</i> (Tod. ex Lojac.) Mosyakin | P PUG                                    | Buono et al. (2022)  |
| Asteraceae       | <i>Santolina neapolitana</i> Jord. & Fourr.   | NC CAL                                   | Giacò et al. (2022)  |
| Dipsacaceae      | <i>Scabiosa columbaria</i> L. subsp. <i>columbaria</i>                                      | P LAZ                                    | Buono et al. (2022)  |
| Cyperaceae       | <i>Schoenoplectiella mucronata</i> (L.) J.Jung & H.K.Choi                                   | P LIG                                    | Longo et al. (2022b)   |
| Crassulaceae     | <i>Sedum album</i> L. subsp. <i>album</i>   | P MOL                                    | Buono et al. (2022); the subspecies was identified by L. Gallo (pers. comm.)   |
| Asteraceae       | <i>Senecio rupestris</i> L. subsp. <i>rupestris</i>   | NP ITA ; NP SIC                          | Barone et al. (2022)   |
| Orchidaceae      | <i>Serapias neglecta</i> De Not.  | P VEN                                    | Longo et al. (2022c)   |
| Apiaceae         | <i>Sison amomum</i> L.  | P LOM                                    | Longo et al. (2022c)   |
| Brassicaceae     | <i>Sisymbrium orientale</i> L.  | P C CAL                                  | Spampinato et al. (2022)   |
| Rosaceae         | <i>Sorbus aucuparia</i> L. subsp. <i>praemorsa</i> (Guss.) Nymán                            | P BAS                                    | Canzoneri et al. (2022a)   |
| Fabaceae         | <i>Spartium junceum</i> L.  | P SAR                                    | Native species (Arrigoni 2018)   |
| Poaceae          | <i>Sphenopus divaricatus</i> (Gouan) Rchb. subsp. <i>divaricatus</i>                        | P EMR                                    | Alessandrini et al. (2022)   |
| Hydrocharitaceae | <i>Stratiotes aloides</i> L.  | P A CAS FVG                              | Buono et al. (2022)  |
| Fabaceae         | <i>Sulla coronaria</i> (L.) B.H.Choi & H.Ohashi   | P A NAT LIG                              | Mariotti and Zappa (2022)  |
| Boraginaceae     | <i>Symphytum bohemicum</i> F.W.Schmidt  | P ITA; P VDA, P LOM, P VEN, P FVG, P TOS | According to Kobrlová et al. (2022), the <i>Symphytum officinale</i> complex is a polyploid species group represented by three cytotypes: diploids (2n = 24, <i>S. bohemicum</i> with corollas always yellowish to greenish white), tetraploids (2n = 48, <i>S. officinale</i> with corollas dark purple or purplish-violet and rarely pure white), and hypotetraploids (2n = 40, <i>S. tanaicense</i> with corollas dark purple or purplish-violet). The presence in LOM is based on Martini et al. (2012). |
| Asteraceae       | <i>Tanacetum vulgare</i> L. subsp. <i>vulgare</i>   | P A CAS CAL                              | Spampinato et al. (2022)   |
| Asteraceae       | <i>Taraxacum parnassicum</i> Dahlst.  | P PIE                                    | Longo et al. (2022a)   |
| Asteraceae       | <i>Taraxacum pseudodunense</i> Soest  | P ITA; P PIE                             | Longo et al. (2022a)   |
| Asteraceae       | <i>Taraxacum pseudohoppeanum</i> Kirschner & Štěpánek                                       | NC VDA                                   | erroneously indicated as P VDA in Bartolucci et al. (2022)   |
| Asteraceae       | <i>Taraxacum tanyolobum</i> Dahlst.   | P ITA; P PIE                             | Longo et al. (2022a)   |
| Poaceae          | <i>Thinopyrum corsicum</i> (Hack.) Banfi  | P SAR                                    | Fois et al. (2022)   |
| Lamiaceae        | <i>Thymus oenipontanus</i> Heinr.Braun ex Borbás  | D EMR                                    | The record of <i>Th. oenipontanus</i> in Alessandrini et al. (2022) should be referred to <i>Th. moesiacus</i> Velen. (F. Bartolucci, pers. comm.).  |
| Apiaceae         | <i>Torilis leptophylla</i> (L.) Rchb.f.   | P CAL                                    | Caruso et al. (2022)   |
| Fabaceae         | <i>Trifolium hybridum</i> L. subsp. <i>hybridum</i>   | P A NAT EMR                              | Alessandrini et al. (2022)   |
| Cistaceae        | <i>Tuberaria guttata</i> (L.) Fourr.  | P LOM                                    | Longo et al. (2022c)   |
| Fabaceae         | <i>Ulex europaeus</i> L. subsp. <i>europaeus</i>  | P A CAS CAL                              | Spampinato et al. (2022)   |
| Urticaceae       | <i>Urtica membranacea</i> Poir.   | P PIE                                    | Longo et al. (2022a)   |
| Scrophulariaceae | <i>Verbascum densiflorum</i> Bertol.  | P MAR                                    | Ballelli (2020)  |
| Scrophulariaceae | <i>Verbascum niveum</i> Ten. subsp. <i>inarimense</i> Murb.                                 | P CAM                                    | Buono et al. (2022)  |
| Fabaceae         | <i>Vicia dalmatica</i> A.Kern.  | P PUG                                    | Buono et al. (2022)  |
| Fabaceae         | <i>Vicia johannis</i> Tamamsch.   | P LOM                                    | Longo et al. (2022c)   |
| Fabaceae         | <i>Vicia segetalis</i> Thuill.  | P EMR                                    | Alessandrini et al. (2022)   |
| Violaceae        | <i>Viola alba</i> Besser subsp. <i>alba</i>   | P LAZ                                    | Buono et al. (2022)  |
| Potamogetonaceae | <i>Zannichellia palustris</i> L.  | P MAR                                    | Conti et al. (2013)  |

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

| Family         | Synonym, misapplied or included name  | Accepted name   | References/Note         |
|----------------|---|---|-------------------------|
| Apiaceae       | <i>Apium flexuosum</i> (Ten.) Caruel, nom. illeg.   | <i>Carum carvifolium</i> (DC.) Arcang.  | POWO (2022)             |
| Plumbaginaceae | <i>Armeria arenaria</i> (Pers.) Schult. subsp. <i>praecox</i> (Jord.) Kerguélen, comb. inval. | <i>Armeria arenaria</i> (Pers.) Schult. subsp. <i>praecox</i> (Jord.) Kerguélen ex Greuter, Burdet & G.Long | Tiburtini et al. (2022) |
| Plumbaginaceae | <i>Armeria praecox</i> Jord.  | <i>Armeria arenaria</i> (Pers.) Schult. subsp. <i>praecox</i> (Jord.) Kerguélen ex Greuter, Burdet & G.Long | Tiburtini et al. (2022) |

|                |   |  |                              |
|----------------|---|--|------------------------------|
| Apiaceae       | <i>Bunium carvifolium</i> DC.   | <i>Carum carvifolium</i> (DC.) Arcang.                                     | POWO (2022)                  |
| Plantaginaceae | <i>Callitriche androgyna</i> L.   | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche angustifolia</i> Gilib., nom. inval.   | <i>Callitriche hermaphroditica</i> L.                                      | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche aquatica</i> Huds.   | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche aquatica</i> Huds. var. <i>autumnalis</i> (L.) Huds., nom. illeg.                            | <i>Callitriche hermaphroditica</i> L.                                      | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche aquatica</i> Huds. var. <i>verna</i> (L.) Huds., nom. illeg.                                 | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche aquatica</i> Huss. subsp. <i>platycarpa</i> (Kütz.) Bonnier & Layens                         | <i>Callitriche platycarpa</i> Kütz.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche autumnalis</i> L.  | <i>Callitriche hermaphroditica</i> L.                                      | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche bifida</i> (L.) Morong   | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche fontana</i> Scop., nom. illeg.   | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche latifolia</i> Gilib., nom. inval., nom. illeg.   | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche natans</i> (L.) Samp.  | <i>Callitriche platycarpa</i> Kütz.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche pallens</i> Goldb., nom. illeg.  | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche palustris</i> L. subsp. <i>stagnalis</i> (Scop.) Schinz & Thell.                             | <i>Callitriche stagnalis</i> Scop.   | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche palustris</i> L. var. <i>bifida</i> L., nom. dub.  | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche palustris</i> L. var. <i>minima</i> L.   | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche palustris</i> L. var. <i>natans</i> L.   | <i>Callitriche platycarpa</i> Kütz.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche palustris</i> L. var. <i>verna</i> (L.) Fenley ex Jeps.                                      | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche stagnalis</i> Scop. subsp. <i>platycarpa</i> (Kütz.) Nyman                                   | <i>Callitriche platycarpa</i> Kütz.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche stagnalis</i> Scop. var. <i>platycarpa</i> (Kütz.) Lloyd & Fouc.                             | <i>Callitriche platycarpa</i> Kütz.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche verna</i> L.   | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche vernalis</i> Kütz. var. <i>fontana</i> Schur, nom. illeg.                                    | <i>Callitriche palustris</i> L.  | Hassemer and Lansdown (2022) |
| Plantaginaceae | <i>Callitriche virens</i> Goldb., nom. illeg.   | <i>Callitriche hermaphroditica</i> L.                                      | Hassemer and Lansdown (2022) |
| Apiaceae       | <i>Carum heldreichii</i> auct. Fl. Ital.  | <i>Carum carvifolium</i> (DC.) Arcang.                                     | POWO (2022)                  |
| Apiaceae       | <i>Carvi flexuosum</i> (Ten.) Bubani  | <i>Carum carvifolium</i> (DC.) Arcang.                                     | POWO (2022)                  |
| Euphorbiaceae  | <i>Euphorbia nicaeensis</i> auct. Fl. Ital.   | <i>Euphorbia adriatica</i> Stojilković, Záveská & Frajman                  |                              |
| Globulariaceae | <i>Globularia bellidifolia</i> Ten., nom. illeg.  | <i>Globularia cordifolia</i> L. subsp. <i>bellidifolia</i> (Nyman) Wettst. |                              |
| Globulariaceae | <i>Globularia cordifolia</i> L. subsp. <i>meridionalis</i> Podp.  | <i>Globularia cordifolia</i> L. subsp. <i>bellidifolia</i> (Nyman) Wettst. |                              |
| Globulariaceae | <i>Globularia nana</i> Lam. subsp. <i>bellidifolia</i> Nyman  | <i>Globularia cordifolia</i> L. subsp. <i>bellidifolia</i> (Nyman) Wettst. |                              |
| Asteraceae     | <i>Jacobaea aquatica</i> (Hill) G.Gaertn., B.Mey. & Scherb. var. <i>erratica</i> (Bertol.) Pelser & Meijden | <i>Jacobaea erratica</i> (Bertol.) Fourr.                                  |                              |
| Apiaceae       | <i>Pimpinella carvifolia</i> (DC.) Benth. & Hook.f.   | <i>Carum carvifolium</i> (DC.) Arcang.                                     | POWO (2022)                  |
| Ranunculaceae  | <i>Ranunculus agerii</i> Bertol.  | <i>Ranunculus gracilis</i> E.D.Clarke                                      | Bartolucci et al (2022)      |
| Ranunculaceae  | <i>Ranunculus chaerophyllos</i> auct. Fl. Ital. p.p., non L.  | <i>Ranunculus gracilis</i> E.D.Clarke                                      | Bartolucci et al (2022)      |
| Ranunculaceae  | <i>Ranunculus granulatus</i> Griseb.  | <i>Ranunculus gracilis</i> E.D.Clarke                                      | Bartolucci et al (2022)      |
| Ranunculaceae  | <i>Ranunculus peloponnesiacus</i> Boiss.  | <i>Ranunculus gracilis</i> E.D.Clarke                                      | Bartolucci et al (2022)      |
| Asteraceae     | <i>Senecio chrysanthemifolius</i> Poir. subsp. <i>aethnensis</i> (Jan ex DC.) Lambinon                      | <i>Senecio aethnensis</i> Jan ex DC.                                       | Barone et al. (2022)         |
| Asteraceae     | <i>Senecio chrysanthemifolius</i> Poir. var. <i>microglossus</i> DC.  | <i>Senecio siculus</i> All.  | Barone et al. (2022)         |
| Asteraceae     | <i>Senecio gallicus</i> Vill. var. <i>aethnensis</i> Jan, nom. nud.   | <i>Senecio aethnensis</i> Jan ex DC.                                       | Barone et al. (2022)         |
| Asteraceae     | <i>Senecio laciniatus</i> Bertol.   | <i>Senecio rupestris</i> Waldst. & Kit.                                    | Barone et al. (2022)         |
| Asteraceae     | <i>Senecio nebrodensis</i> L. var. <i>balansae</i> (Boiss. & Reut.) Quézel & Santa, comb. inval.            | <i>Senecio balansae</i> Boiss. & Reut.                                     | Barone et al. (2022)         |
| Asteraceae     | <i>Senecio nebrodensis</i> L. var. <i>laciniatus</i> (Bertol.) Batt.  | <i>Senecio rupestris</i> Waldst. & Kit.                                    | Barone et al. (2022)         |



|                        |  |   |                              |
|------------------------|--|---|------------------------------|
| <b>Asteraceae</b>      | <i>Senecio nebrodensis</i> L. var. <i>siculus</i> Fiori  | <i>Senecio balansae</i> Boiss. & Reut.  | Barone et al. (2022)         |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. var. <i>chrysanthemifolius</i> (Poir.) Guss.                               | <i>Senecio siculus</i> All.   | Barone et al. (2022)         |
| <b>Asteraceae</b>      | <i>Senecio squalidus</i> L. var. <i>rupestris</i> (Waldst. & Kit.) P.D.Sell                            | <i>Senecio rupestris</i> Waldst. & Kit.   | Barone et al. (2022)         |
| <b>Caryophyllaceae</b> | <i>Silene mutabilis</i> auct. Fl. Ital.  | <i>Silene neglecta</i> Ten.   | Sáez et al. (2022)           |
| <b>Apiaceae</b>        | <i>Sison flexuosum</i> Ten.  | <i>Carum carvifolium</i> (DC.) Arcang.  | POWO (2022)                  |
| <b>Campanulaceae</b>   | <i>Solenopsis gasparrinii</i> (Tineo) Brullo   | <i>Solenopsis laurentia</i> (L.) C.Presl  |                              |
| <b>Plantaginaceae</b>  | <i>Stellaria autumnalis</i> (L.) F.H.Wigg.   | <i>Callitriche hermaphroditica</i> L.   | Hassemer and Lansdown (2022) |
| <b>Plantaginaceae</b>  | <i>Stellaria bifida</i> (L.) Kuntze  | <i>Callitriche palustris</i> L.   | Hassemer and Lansdown (2022) |
| <b>Plantaginaceae</b>  | <i>Stellaria palustris</i> (L.) Kuntze f. <i>minima</i> (L.) Kuntze                                    | <i>Callitriche palustris</i> L.   | Hassemer and Lansdown (2022) |
| <b>Plantaginaceae</b>  | <i>Stellaria palustris</i> (L.) Kuntze f. <i>natans</i> (L.) Kuntze                                    | <i>Callitriche platycarpa</i> Kütz.   | Hassemer and Lansdown (2022) |
| <b>Plantaginaceae</b>  | <i>Stellaria palustris</i> (L.) Kuntze, non Ehrh. ex Hoffm., nom. illeg.                               | <i>Callitriche palustris</i> L.   | Hassemer and Lansdown (2022) |
| <b>Plantaginaceae</b>  | <i>Stellaria stagnalis</i> (Scop.) Kuntze  | <i>Callitriche stagnalis</i> Scop.  | Hassemer and Lansdown (2022) |
| <b>Plantaginaceae</b>  | <i>Stellaria verna</i> (L.) F.H.Wigg.  | <i>Callitriche palustris</i> L.   | Hassemer and Lansdown (2022) |
| <b>Plantaginaceae</b>  | <i>Stellaria verna</i> (L.) MacMill., isonym   | <i>Callitriche palustris</i> L.   | Hassemer and Lansdown (2022) |
| <b>Asteraceae</b>      | <i>Taraxacum officinale</i> (L.) W.W.Weber ex F.H.Wigg. var. <i>schroeterianum</i> (Hand.-Mazz.) Fiori | <i>Taraxacum schroeterianum</i> Hand.-Mazz.   |                              |
| <b>Ranunculaceae</b>   | <i>Thalictrum minus</i> L. var. <i>saxatile</i> Moritzi  | <i>Thalictrum minus</i> L. subsp. <i>saxatile</i> (Moritzi) Ces.  | Hand (2022)                  |
| <b>Ranunculaceae</b>   | <i>Thalictrum minus</i> L. var. <i>strictum</i> W.D.J.Koch, nom. illeg.                                | <i>Thalictrum minus</i> L. subsp. <i>saxatile</i> (Moritzi) Ces.  | Hand (2022)                  |
| <b>Poaceae</b>         | <i>Trisetaria aurea</i> (Ten.) Banfi & Galasso, isonym   | <i>Trisetaria aurea</i> (Ten.) Pignatti ex Kerguélen  |                              |
| <b>Caryophyllaceae</b> | <i>Tunica haynaldiana</i> Janka ex F.N.Williams, isonym  | <i>Dianthus illyricus</i> (Ard.) Fassou, N.Korotkova, Dimop. & Borsch subsp. <i>haynaldianus</i> (Nyman) Fassou, N.Korotkova, Dimop. & Borsch |                              |
| <b>Caryophyllaceae</b> | <i>Tunica haynaldiana</i> Nyman  | <i>Dianthus illyricus</i> (Ard.) Fassou, N.Korotkova, Dimop. & Borsch subsp. <i>haynaldianus</i> (Nyman) Fassou, N.Korotkova, Dimop. & Borsch | Fassou et al. (2022)         |

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