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***Addenda et emendanda* to the “A catalogue of the plants growing in Sicily”**

Abstract

Raimondo, F.M. & Spadaro, V.: *Addenda et emendanda* to the “A catalogue of the plants growing in Sicily”. — Fl. Medit. 19: 303-312. 2009. — ISSN 1120-4052.

Corrections and integrations to the “A Catalogue of the plants growing in Sicily” by Giardina & al. (2007) are here reported. In particular, several disregarded taxa have been added and updated together with new other ones described or reported simultaneously or subsequently to the date of publication of the Catalogue. Finally nomenclature of some taxa has been updated and a new taxonomic status has been proposed for two of them.

Key words: Vascular flora, Nomenclature, Sicily.

Introduction

From the publication of the Catalogue of vascular plants of Sicily by Giardina, Raimondo & Spadaro (2007) and the death of the first author, necessities of corrections and integrations have arisen. In this paper, besides the revision of some formal mistakes – sometimes due to databasing – taxa, disregarded during the catalogue drafting or later established are added here, together with other taxa subsequently recorded in Sicily and nomenclatural novelties published during press and afterwards.

Material and Method

Throughout the text, the “A catalogue of plants growing in Sicily” by Giardina, Raimondo & Spadaro (2007) is acronymized as C.P.S.

In the list, which follows the alphabetical order, names are preceded by the following symbols:

- + [taxon added to the numeration given in C.P.S.]
- [taxon recorded as occurring or doubtfully occurring in C.P.S. to be excluded from Sicilian flora]
- = [taxon recorded under a different name or however occurring in the list (this is irrelevant to numbering given in C.P.S.)]
- * [critical taxon]
- ◇ [taxon repeated]

List of taxa

- = *Acinos alpinus* subsp. *nebrodensis* (Kerner & Strobl) C. Brullo & Brullo in Domina & Peccenini, Gruppi Crit. Fl. Italia: 43 (2009)
 [Bas.: *Calamintha nebrodensis* Kern. & Strobl in Strobl, Oesterr. Bot. Zeit. 24: 71, 1874. Sin.: *Acinos alpinus* var. *nebrodensis* (Kern. & Strobl) Pignatti, Giorn. Bot. Ital. 111: 52, 1977; *Thymus alpinus* Guss., Fl. Sic. Prodr. 2: 129, 1828, non L., 1753; *Thymus rotundifolius* Guss., Fl. Sic. Prodr. Suppl. 2: 198, 1834, non Pers. 1806].
 C.P.S. No. 1849 sub *Acinos alpinus* (L.) Moench, Methodus: 407 (1794) subsp. *alpinus*
- + *Aesculus hippocastanum* L., Sp. Pl.: 448 (1753)
 Reported in C.P.S. as cultivated for ornamental purposes “Only rarely in gardens from the coast to the submountain belt.”, this species has later been recorded naturalized on the Nebrodi Mountains (Spadaro & Raimondo 2009).
- = *Ambrosina bassii* var. *maculata* (Ucria) Parl., Flora Ital. 2: 231 (1852)
 C.P.S. No. 3035 erroneously sub *Ambrosina bassii* var. *maculata* (Ucria) Lojac.
- = *Ambrosina bassii* var. *reticulata* (Tineo) Parl., Flora Ital. 2: 232 (1852)
 C.P.S. No. 3036 sub *Ambrosina bassii* var. *reticulata* (Tineo) Lojac.
- = *Ambrosina bassii* var. *angustifolia* Guss., Fl. Sic. Syn. 2: 594 (1843)
 C.P.S. No. 3037 sub *Ambrosina bassii* var. *angustifolia* Lojac.
- = *Anthyllis hermanniae* subsp. *sicula* Brullo & Giusso, Novon 16(3): 310 (313) (2006)
 C.P.S. No. 1078 sub *A. hermanniae* L.
- + *Asparagus pastorianus* Webb & Berth., Hist. Nat. Iles Canaries (Phyt. Canar.) 3: 329, t. 229 (1847)
 In C.P.S. reported as doubtfully occurring in Sicily, its presence has been confirmed along the SW coast (Raimondo & Bazan 2008).
- + *Asperula peloritana* C. Brullo, Brullo, Giusso & Scuderi in Anales Jard. Bot. Madrid 66(1): 86 (2009)
- * *Asplenium adiantum-nigrum* L., Sp. Pl.: 1081(1753)
 CPS. No. 27; according to Marchetti (*in litteris*) this taxon should be excluded from the Sicilian flora.
- = *Asplenium lepidum* C. Presl. in Verh. Ges. Vaterl. Mus Böhmen 1836: 65 (1836) subsp. *lepidum*
 C.P.S. No. 37 sub *A. lepidum* without subspecific indication.
- = *Asplenium microphyllum* Tineo in Guss. Fl. Sic. Syn. 2(2): 884 (1845)
 C.P.S. No. 34 sub *A. trichomanes-ramosum* L.
- = *Asplenium petrarchae* (Guérin) DC. in Lam. & DC., Fl. Franç. éd. 3, 5 : 238 (1815) subsp. *petrarchae*
 Sicilian populations, as the Italian ones, according to Marchetti (*in litteris*) are to be referred presumptively to *A. petrarchae* subsp. *petrarchae*, because *A. petrarchae* subsp. *bivalens* (D.E. Mey.) Lovis & Reichst. is only known from Spain and Majorca.
- + *Asplenium trichomanes* subsp. *inexpectans* Lovis in Brit. Fern Gaz. 9: 155 (1964)
 Recorded by Van den heede & Viane in Marchetti (*in press*).

- * *Asplenium trichomanes* subsp. *pachyrachys* (H. Christ) Lovis & Reichstein in Willdenowia 10(1): 18 (1980)
Critical the occurrence in Italy of this taxon; Sicilian populations could be referred to subsp. *inexpectans* Lovis or even to *A. microphyllum* Tineo (Marchetti in *litteris*)
- = *Asplenium ruta-muraria* L. Sp. Pl.: 1081 (1753) subsp. *ruta-muraria*
C.P.S. No. 36 sub *A. ruta-muraria* without subspecific indication.
- + *Bellevalia pelagica* C. Brullo, Brullo & Pasta in Edinburgh J. Bot. 66(1): 2 (2009)
- + *Brassica* × *carinata* A. Braun in Flora 24(1): 267 (1841)
This nototaxon was recently reported from Sicilian inland as naturalized in fields cultivated for biofuels (Raimondo & Spadaro 2009).
- + *Calendula tripterocarpa* Rupr. in Bull. Cl. Phhys. Math. Acad. Imp. Sci. Saint-Petersbourg 14: 231 (1856)
Doubtfully reported in C.P.S. Recent findings of the authors confirm its occurrence in Sicily (Nebrodi Mounts, roadsides, near Ucria, May 2009, Raimondo & Spadaro, PAL).
- = *Carlina sicula* Ten., Cat. Horti Neapol. App. ed. 2: 74 (1819) subsp. *sicula*
C.P.S. No. 2307 sub *C. sicula* without subspecific indication.
- + *Carlina sicula* subsp. *mareotica* (Asch. & Schult.) Gruter Willdenowia 33(1): 52 (2003).
Recorded by Conti & al. (2007)
- + *Cedrus atlantica* (Endl.) G.Manetti ex Carrière, Traité Gén. Conif. 285. (1855)
Species used for mountain reforestation in several regions. In Sicily has been observed naturalized on the Madonie Mountains (Raimondo & Schimmenti in PAL).
- + *Centaurea sicana* Raimondo & Spadaro in Bot. J. Linn. Soc. 157: 785 (2008)
- + *Centaurea panormitana* Lojac., Fl. Sicul. 2(1): 137 (1903) subsp. *panormitana*
Reported in C.P.S. as a problematic taxon and simultaneously included in the variability of *C. parlatoris* Heldr. (No. 2371), it has recently been revalued by Greuter (2008) who, with the rank of subspecies, includes under Lojaco's binomial the Sicilian varieties previously referred to *C. ucriae* Lacaita and *C. todaroi* Lacaita.
- = *Centaurea panormitana* subsp. *todaroi* (Lacaita) Greuter, Med-Checkl. 2: 126 (2008)
C.P.S. No. 2368 sub *C. todaroi* Lacaita.
- = *Centaurea panormitana* subsp. *seguenzae* (Lacaita) Greuter, Med-Checkl. 2: 126 (2008)
C.P.S. No. 2369 sub *C. todaroi* subsp. *seguenzae* (Lacaita) Giardina & Raimondo.
- = *Centaurea panormitana* subsp. *ucryae* (Lacaita) Greuter, Med-Checkl. 2: 126 (2008)
C.P.S. No. 2366 sub *C. ucryae* Lacaita.
- = *Centaurea panormitana* subsp. *umbrosa* (Fiori) Greuter, Med-Checkl. 2: 126 (2008)
C.P.S. No. 2367 sub *C. ucryae* Lacaita.
- + *Centaurea parlatoris* subsp. *virescens* (Guss.) Raimondo & Bancheva, **stat. nov.**
[Bas. *Centaurea parlatoris* var. *virescens* Guss., Fl. Sic. Syn. 2: 510 (1843)]

- The Gussonean variety is not cited in C.P.S.; the genetic characters of *locus classicus* population, analyzed by Bancheva & al. (in press), support the new rank proposed.
F. M. Raimondo & S. Bancheva
- + *Cheilanthes guanchica* Bolle, Bomplandia 7: 107 (1859)
Recorded in Sicily by Brullo & Marchetti in Marchetti (2007).
- + *Cosentinia vellea* subsp. *bivalens* (Reichstein) Rivas Mart. & Salvo, Anales Jard. Bot. Madrid 41(1): 196 (1984)
Recorded in Sicily by Brullo & al. in Marchetti (2007).
- + *Cota tinctoria* subsp. *australis* (R. Fern.) Oberpr. & Greuter in Willdenowia 33(1): 41 (2003)
Reported in Sicily by Conti & al. (2007).
- + *Cota tinctoria* J. Gay in Guss. Fl. Sic. Syn. 2: 867 (1843) subsp. *tinctoria*
Doubtfully reported in C. P. S., has recently been confirmed in Sicily (Conti & al. 2007).
- = *Cynara cardunculus* var. *zingaroensis* Raimondo & Domina [*Cynara cardunculus* var. *zingaroensis* Raimondo & Domina in Raimondo & al., Bocconea 17: 113 (2004), *nomen inval.*]
Holotypus: Zingaro: Portella S. Giovanni, carbonate soil, 750-850 m a.s.l., 30.05.1990, Raimondo & al. 219 (PAL 68968).
F. M. Raimondo & G. Domina
- + *Cyperus alopecuroides* Rottb., Descr. Pl. Rar. 20 (1772)
Recorded from the Biviere di Gela (CL) by Brullo & Sciandrello (2006).
- = *Diplachne fusca* (L.) Beauv. ex Roem. & Schult., Systema Vegetabilium 2 (1825)
C.P.S. No. 2973 sub *Leptochloa fusca* subsp. *uninervia* (J. Presl) N. Snow. Banfi & al. (2008) refer the Sicilian record to *D. fusca* s. str.
- = *Dittrichia viscosa* (L.) Greuter, in Exsicc. Genav. 4: 71 (1973) subsp. *viscosa*
The Sicilian populations of this species, C.P.S. No. 2188 without subspecific indication, refer to *D. viscosa* s. str.
- *Draba aspera* Bertol., Amoen. Ital.: 384 (1819)
C.P.S. No. 579, it is to be excluded from the Sicilian flora. Specimens previously identified as *D. aspera* refer to *D. olympicoides* Strobl, an orophilous species with highly variable habit (Mazzola & al. 2008).
- = *Dryopteris pallida* (Bory) C. Chr. ex Maire & Petitm. in Bull. Séances Soc. Sci. Nancy, sér. 2, 9: 480 (1908) subsp. *pallida*
C.P.S. No. 47 sub *D. pallida* without subspecific indication.
- ◊ *Echinaria capitata* var. *todoroana* Ces., Passer. & Gibelli, Comp. Fl. Ital. 1: 41 (1868)
Taxon repeated, C.P.S. No. 2797 and No. 2798.
- *Eleocharys geniculata* (L.) Roem. & Schult
C.P.S. No. 3063 is to be excluded from the Sicilian flora according to (Conti & al. 2007).
- + *Epipactis muelleri* Godfery in J. Bot. 59: 106 (1921)
Recorded by Conti & al. (2007)

- + *Erysimum brulloi* Ferro in Fl. Medit. 19: 298 (2009)
This taxon, described from the Alicudi island (Aeolian Archipelago), is closely related to *E. metlesicsii* Polatschek.
- + *Festuca morisiana* subsp. *sicula* Cristaudo, Foggi, Maugeri. & Galesi in Parlatores 9: 95 (2007)
- = *Gagea bohemica* (Zauschn.) Schult. & Schult. f., Syst. Veg., ed. nov. (15), 7(1): 549 (1829)
This taxon – according to Peruzzi & al. (2009) – includes *G. busambarensis* (Tineo) Parl. and *G. nebrodensis* (Tod. ex Guss.) Nyman, besides *G. minae* Lojac. that in C.P.S. belongs to *G. nebrodensis* variability.
- = *Gagea dubia* A. Terrac. in Boll. Soc. Ort. Palermo 2(3): 34 (1904)
This taxon reported in C.P.S. under *G. foliosa* (C.Presl) Schult. & Schult. [= *G. ramulosa* A. Terrac.] has recently been recognized as a distinct species (Peruzzi & al. 2009).
- + *Gagea lacaitae* A. Terrac. in Boll. Soc. Ort. Mutuo Soccorso Palermo 2(4): 60 (1904)
Reported as problematic in C.P.S., it has been confirmed as far as taxonomic status and occurrence in Sicily are concerned (Peruzzi & al. 2009).
- = *Gagea lojaconoi* Peruzzi in Inform. Bot. Ital. 39(Suppl. 1): 145 (2008)
C.P.S. No. 2556 sub *Gagea longifolia* Lojac. [*nom. Illeg.*].
- = *Gagea villosa* (M. Bieb.) Sweet in Hort. Brit.: 418 (1826)
C.P.S. No.2550 sub *G. minima* (L.) Ker Gawl. a mere nomenclatural mistake according to Peruzzi & al. (2009).
- *Gagea busambarensis* (Tineo) Parl., Fl. Palerm. 1: 379 (1845)
C.P.S. No. 2557 a form within the variation range of *G. bohemica* (Peruzzi & al. 2009).
- *Gagea nebrodensis* (Tod. ex Guss.) Nyman, Syll. Fl. Eur. 372 (1855)
C.P.S. No. 2558 a form within the variation range of *G. bohemica* (Peruzzi & al. 2009).
- + *Helianthemum sicanorum* Brullo, Giusso & Sciandr. in Anales Jard. Bot. Madrid 64(1): 47 (2007)
- = *Helichrysum litoreum* Guss.Fl. Sicul. Syn. 2(1): 468 (1844)
[non *H. angustifolium* (Lam.) DC. in Lam., nom. illeg. (Aghababayan, Greuter, Mazzola & Raimondo 2007)].
C.P.S. No. 2177 sub *H. angustifolium* (Lam.) DC.
- = *Helichrysum panormitanum* Tineo ex Guss., Fl. Sic. Syn. 2(1): 467 (1844) var. *panormitanum*
C.P.S., No. 2170 sub *H. panormitanum* var. *panormitanus*.
- + *Helichrysum preslianum* C. Brullo & Brullo in Domina & Peccenini, Gruppi Crit. Fl. Italia: 43 (2009)
[Bas.: *Gnaphalium caespitosum* C. Presl in J. & C. Presl, Del. Prag. 1: 98, 1822. Sin.: *Gnaphalium siculum* Sprengel, Syst. Veg., ed. 16, 3: 476, 1826; *Helichrysum caespitosum* (C. Presl) DC., Prodr. 6: 182, 1838, p.p.; *Helichrysum siculum* (Sprengel) Boiss., Fl. Or., 3: 229, 1875; *Helichrysum caespitosum* Guss., Fl. Sic. Syn., 2(1): 467, 1844, p.p.].
- *Hyoseris lucida* L., Mant. Pl.: 108 (1767) subsp. *lucida*
According to Peruzzi & Vangelisti (2009) in Sicily only *H. lucida* subsp. *taurina* occurs.

- = *Hyoseris lucida* subsp. *taurina* (Pamp.) Peruzzi & Vangelisti in Ann. Bot. (Roma), 2009 Suppl.: 127 (2009)
C.P.S. No. 2418 as *H. taurina* (Pamp.) Martinoli.
- + *Huetia cynapioides* (Guss.) P. W. Ball, Feddes Repert. 79:16(1968)
Recorded by Cristaudo & Margani (2006).
- = *Iberis violacea* R. Br. in Aiton f., Hort. Kew., ed.2, 4: 85 (1812)
C.P.S. No. 602 sub *I. pruitii* Tineo.
- + *Isoëtes gymnocarpa* (Genn.) A. Braun, Monatsber. Koenigl. Akad. Wissensch. Berlin: 555 (1863)
C.P.S. No. 4 reported in *I. hystrix* Bory, sub fo. *subinermis* Durieu. According to Arrigoni (2006) is to be considered an accepted species.
- = *Jacobaea maritima* (L.) Pelsel & Meijdien subsp. *sicula* N. G. Passal., Peruzzi & Pellegrino in Taxon 57 (3): 903 (2008)
C.P.S. No. 2271 sub *Senecio cineraria* DC. subsp. *cineraria*.
- = *Koeleria splendens* C. Presl, Cyper. Gram. Sicul. 34. 1820 subsp. *splendens*
C.P.S. No. 2879 sub *K. lobata* (M.Bieb.) Roem. & Schult.
- + *Leontodon intermedius* Huter, Porta & Rigo in Österr. Bot. Z. 57: 116 (1907)
Reported by Conti & al. (2007).
- = *Lomelosia divaricata* (Jacq.) Greuter & Burdet in Willdenowia 15: 74 (1985)
C.P.S. No. 2110 sub *L. divaricata* (L.) Greuter & Burdet
- + *Malus crescimannoi* Raimondo in Fl. Medit. 18: 6 (2008)
- = *Onosma echioides* subsp. *canescens* (C. Presl) Peruzzi & N. G. Passal. in Bot. J. Linn. Soc. 157(4): 772(2008)
C.P.S. No. 1736 sub *O. canescens* C. Presl.
- = *Orobanche ramosa* L., Sp. pl. 633 (1753)
C.P.S. No. 2024 sub *Phelipanche ramosa* (L.) Pomel. We share the opinion of Domina (2009) and consider the genus *Orobanche* in the traditional wide sense.
- = *Orobanche nana* (Reut.) Beck, Bibl. Bot. 19: 91 (1890)
C.P.S. No. *Phelipanche nana* (Reut.) Soják.
- = *Orobanche mutelii* F. W. Schultz in Mutel., Fl. Fr. 2: 353 (1835)
C.P.S. No. 2026 sub *Phelipanche mutelii* (F. W. Schultz) Pomel.
- = *Orobanche lavandulacea* Rchb., Iconogr. Bot. Pl. Crit. 7: 48 (1831)
C.P.S. No. 2027 sub *Phelipanche lavandulacea* (Rchb.) Pomel.
- = *Orobanche schultzei* Mutel, Fl. Franç. 2: 429 (1835)
C.P.S. No. 2028 sub *Phelipanche schultzei* (Rchb.) Pomel.
- = *Orobanche oxyloba* Reut. in DC., Prodr. 11: 9 (1847)
C.P.S. No. 2029 sub *Phelipanche oxyloba* (Reut.) Soják.

- = *Phyllitys scolopendrium* (L.) Newman, Hist. Brit. Ferns ed. 2: 10 (1844) subsp. *scolopendrium*
C.P.S. No. 41 sub *P. scolopendrium* without subspecific indication.
- *Pilosella hoppeana* (Schult.) F. W. Schultz & Sch. Bip. in Flora 45: 421 (1862)
C.P.S. doubtfully sub *Hieracium pilosella* L., it is excluded from the Sicilian flora (Domina & Di Gristina 2007).
- = *Pilosella hoppeana* subsp. *macrantha* (Ten.) S. Bräut. & Greuter in Willdenowia 37: 134 (2007)
C.P.S. No. 2486 sub *Hieracium macranthum* (Ten.) Zahn.
- *Pilosella piloselloides* (Vill.) Soják in Preslia 43(2): 185 (1971) (= *Hieracium piloselloides* Vill.)
C.P.S. doubtfully sub *Hieracium piloselloides* var. *florentinum* fo *litorale*, it is excluded from the Sicilian flora (Domina & Di Cristina 2007).
- + *Pimpinella tragiium* subsp. *glauca* (C. Presl) C. Brullo & Brullo in Domina & Peccenini, Gruppi Crit. Fl. Italia: 44 (2009)
C.P.S. No. 1434 sub *P. tragiium* subsp. *tragiium*, including *P. tragiium* var. *glauca* Guss. and *Tragiium glaucum* C. Presl
- + *Portulaca cypria* Danin in Fl. Medit, 18: 92 (2008)
- = *Portulaca granulato-stellulata* (Poelln.) Ricceri & Arrigoni in Parlatorea 4: 93 (2000)
C.P.S. No. 275 sub. *P. oleracea* subsp. *granulato-stellulata* (Poelln.) Danin & H. G. Baker.
- = *Portulaca nitida* (Danin & H. G. Baker) Ricceri & Arrigoni in Parlatorea 4: 93 (2000)
C.P.S. No. 276 sub. *P. oleracea* subsp. *nitida* Danin & H. G. Baker.
- = *Portulaca papillato-stellulata* (Danin & H. G. Baker) Danin in Lagascalia 26: 76 (2006)
C.P.S. No. 277 sub. *P. oleracea* subsp. *nitida* Danin & H. G. Baker.
- + *Portulaca rausii* Danin in Fl. Medit. 18: 92 (2008)
- + *Portulaca sativa* Haw., Misc. Nat.: 136 (1803)
Recorded by Danin & al. (2008).
- + *Portulaca sicula* Danin, Domina & Raimondo in Fl. Medit. 18: 92 (2008)
- + *Portulaca trituberculata* Danin, Domina & Raimondo in Fl. Medit. 18: 91 (2008)
- + *Portulaca zaffranii* Danin in Fl. Medit. 18: 92 (2008)
- + *Prospero hierae* C. Brullo, Brullo, Giusso, Pavone & Salmeri in Phytton 49(1): 95 (2009)
- = *Prunus mahaleb* subsp. *cupanianus* (Guss.) Raimondo & Spadaro **stat. nov.**
[Bas.: *Prunus cupanianus* Guss. ex Nyman; *Prunus mahaleb* var. *cupanianus* (Guss. ex Nyman) Fiori ; *Prunus mahaleb* var. *prostrata* Lojac.].
C.P.S. No. 794. The morphological affinities with *P. mahaleb* and the orophylous attitude of the Gussonean taxon– circumscribed to the Madonie Mountains and Busambra (NW Sicily) – suggest a distinct treatment at subspecific rank. This treatment is also supported by the finding in the plants of the Madonie Mountains of the same specific parasite [*Roepkea marchali* (Börner 1931) (*Hemiptera*, *Aphididae*)] previously recorded in Sicily on *Prunus mahaleb* s.str. (Barbagallo *in litteris*).

- = *Pteridium aquilinum* (L.) Kuhn in Kerst., Reise Öst-Afr. 3(3): 11 (1879) subsp. *aquilinum*
C.P.S. No. 25 sub *P. aquilinum* without subspecific indication.
- + *Ribes uva-crispa* subsp. *austro-europaeum* (Bornm.) Bech. in Repert. Spec. Nov. Regni Veg. 27: 228 (1929)
Reported in C.P.S. as problematic to be confirmed in Sicily but probably escaped from cultivation (cfr. Loiacono 1909), this taxon has recently been recorded as wild on the W slope of the Carbonara Mount (Madonie, Palermo) (Gianguzzi & al. 2008). In spite of the impossibility to study any specimen – neither deposited in PAL nor in any other public herbarium – on the basis of the characters described by (Gianguzzi & al. 2009), the plant in question should be identified as *R. uva-crispa* subsp. *austro-europaeum* (Bornm.) Bech., which occurs in N Africa (Morocco and Algeria) and in the Eastern Iberian Peninsula (Blanca 1997). Glandular hairs on developing fruits – seen in a photo – allow to refer the Sicilian population to a variety of this subspecies [var. *glanduligerum* (H. Lindb.) Maire], occurring on the whole area of the species (Maire 1980). This last note gives more weight to the relict character of this population assumed by the authors of the new finding (Gianguzzi & al. 2008).
- + *Salvia microphylla* Kunth, Nov. Gen. Sp. [H.B.K.] 2: 294 (1818)
Taxon recently recorded as naturalized near San Fratello (Messina) (Spadaro 2008).
- = *Silene saxifraga* subsp. *rupicola* (Huet ex Nyman) C. Brullo & Brullo in Domina & Peccenini, Gruppi Crit. Fl. Italia: 44 (2009)
C.P.S. No. 369 sub *Silene saxifraga* subsp. *lojaconoi* (Lacaita) Mazzola & Raimondo (*nom. inval.*).
- + *Solanum capsicastrum* Schauer, Allgemeine Gartenzeitung: 1 (1833)
Recorded as naturalized from Erice (W Sicily) by Scuderi & Pasta (2009).
- + *Soleirolia soleirolii* (Req.) Dandy in Feddes Repert. 70: 4 (1965)
Recorded as naturalized from Erice (W Sicily) by Scuderi & Pasta (2009).
- = *Sorbus umbellata* subsp. *meridionalis* (Guss.) Vulev in Fl. Nar. Republ. Bulgariya, 5: 365 (1973)
C.P.S. No. 767 sub *S. aria* subsp. *cretica* (Lindl.) Holmboe.
- + *Simethis mattiazzi* (Vandelli) Sacc. in Atti Mem. Acad. Padova, n. s., 16: 78 (1900)
Recorded from Marettimo (Aegadian Archipelago) by Gianguzzi & al. (2006).
- *Stipa crassiculmis* subsp. *picentina* Martinovský, Moraldo & G. Caputo in Delpinoa 16-17: 186 (1976)
C.P.S. No. 2960 is to be excluded from the Sicilian flora according to Conti & al (2007)
- + *Taraxacum garbarianum* Peruzzi, Caparelli, Aquaro & Raimondo in Fl. Medit. 19: 74 (2009)
- + *Thapsia garganica* subsp. *messanensis* (Guss.) Brullo, Guglielmo, Pasta, Pavone & Salmeri, Inform. Bot. Ital. 40(Suppl. 3): 45 (2009)
- + *Thapsia pelagica* Brullo, Guglielmo, Pasta, Pavone & Salmeri, Inform. Bot. Ital. 40(Suppl. 3): 46 (2009)
- + *Tolpis virgata* (Desf.) Bertol. Rar. Lig. Pl. 1: 15 (1803)
- *Tolpis virgata* subsp. *gussonei* (Fiori.) Giardina & Raimondo in Bocconeia 20: 13 (2007)
C.P.S. No. 2412; incl. in *Tolpis virgata* (Desf.) Bertol. by Greuter (2008).

- *Tolpis virgata* subsp. *quadriaristata* (Biv.) Giardina & Raimondo in Bocconea 20: 13 (2007)
C.P.S. No. 2413; incl. in *Tolpis virgata* (Desf.) Bertol. by Greuter (2008).
- *Tolpis virgata* subsp. *sexaristata* (Biv.) Giardina & Raimondo in Bocconea 20: 13 (2007)
C.P.S. No. 2414; incl. in *Tolpis virgata* (Desf.) Bertol. by Greuter (2008).
- = *Vachellia karroo* (Hayne) Banfi & Galasso in Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 149(1): 149. (2008)
C.P.S. No.797 sub *Acacia karroo* Hayne.
- = *Vicia sativa* subsp. *incisa* (M. Bieb.) Arcang., Comp. Fl. Ital.: 188 (1882)
C.P.S. No. 886 sub *V. incisa* M. Bieb.

Conclusion

In this paper 105 taxa are examined, among which 13 are Pteridophyta [*Aspidiaceae* (1); *Aspleniaceae* (8), *Isoëtaceae* (1), *Hemionitidaceae* (1), *Hypolepidaceae* (1), *Sinopteridaceae* (1)] and 92 Spermatophyta [*Apiaceae* (4), *Araceae* (3), *Asparagaceae* (1), *Asphodelaceae* (1), *Asteraceae* (30), *Boraginaceae* (1), *Brassicaceae* (4), *Caryophyllaceae* (1), *Cistaceae* (1), *Cyperaceae* (2), *Dipsacaceae* (1), *Glossulariaceae* (1), *Hippocastanaceae* (1), *Labiatae* (2), *Leguminosae* (2), *Liliaceae* (9), *Mimosaceae* (1), *Orchidaceae* (1), *Orobanchaceae* (6), *Pinaceae* (1), *Poaceae* (5), *Portulacaceae* (9), *Rosaceae* (3), *Rubiaceae* (1), *Solanaceae* (1), *Urticaceae* (1)]. As regards to the whole taxa, 44 are added to the C.P.S. numeration, 47 are nomenclatural changes including 2 new states and a validation; 11 taxa are to be excluded. Two cases concern problematic taxa and one is repeated. On the basis of these additional data the Sicilian vascular flora, today includes 3235 specific and infraspecific taxa.

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