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Typification of names of *Compositae* taxa described from Sicily by Michele Lojacono Pojero

Abstract

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Lojacono described and named 89 new *Compositae* taxa (32 species, 52 varieties, 5 formae), mostly in his *Flora sicula*, in 1903, but sometimes in earlier, lesser known papers. In spite of problems (here discussed) to find and recognise his original material in the Palermo Herbarium (PAL), for 58 names types (mostly here designated) have been found in Palermo. Discounting 3 names typified by illustrations and 5 with lectotypes designated in Naples and Geneva, 23 remain that cannot be typified for the time being. Eleven of Lojacono's new species names are still in use currently. Among them is *Filago cuneata*, long forgotten but here redeemed.

Key words: *Compositae*, *Filago*, Lojacono, Sicilian flora, Palermo herbarium, typification.

Introduction

The present paper is part of a project aimed at a better understanding of the Sicilian taxa described as new by Michele Lojacono Pojero, in particular those that appear in his five-volume "Flora Sicula". That Flora, for its time a remarkably complete and analytical work, treats all spontaneous or naturalised vascular plants found growing in Sicily.

Not much has been published so far on Lojacono (Dia 1987). Among Sicilian botanists he is one of the least known, being less famous – but of no lesser importance – than many of his predecessors and contemporaries. He was born in Palermo in either 1848 (De Gregorio 1923) or 1853 (Burdet 1976: 345-346, Stafleu & Cowan 1981: 150-152, Troia & Raimondo 2007), and was trained in botany by Agostino Todaro, renowned expert of the Sicilian flora, to whom he was to dedicate his Flora. He collected and studied the flora of Sicily, and to a lesser extent southern Italy, and sold several *Centuriae* of Italian, especially Sicilian plants collected by him and some of his correspondents. To promote his studies and commercial activities he upheld an ample correspondence with the keepers and owners of the important European herbaria of his time. The last years of his life are again obscure. He appears to have left Palermo some time after 1913, when he had a severe altercation with Todaro's successor Antonino Borzi over the latter's paper on Sicilian oaks

(Lojacono 1913-1915), but he remained scientifically active, publishing papers on various topics (Lojacono 1916, 1917) till two years before his death in Messina, in 1919.

In order to evaluate Lojacono's contribution to the knowledge of the Sicilian flora we have chosen one of the largest families, *Compositae*, as a test sample. The Sicilian inventory of this family has been recently updated (Giardina & al. 2007, Greuter 2008). Typification of Lojacono's names of taxa is essential to clarify their application, corroborate their synonymy with names currently in use or, when appropriate, rescue those unjustly lost in oblivion. An example of the latter category is *Filago cuneata* Lojac., that used to be treated as a synonym of *F. pyramidata* L.

As a first step, an inventory was made of Sicilian *Compositae* taxa published by Lojacono, not only in his "Flora Sicula" (Lojacono 1903) but also in previous papers (Lojacono 1883, 1884, 1885). As a result, a list of 89 names was produced, most of them infraspecific (52 varieties, 5 formae) but still 32 of specific rank, of which 11 are still (or again) in use: *Anthemis aeolica*, *A. concolor*, *A. ismelia*, *A. lopadusana*, *Centaurea aeolica*, *C. panormitana*, *Cirsium vallis-demonii*, *Filago cuneata*, *Hieracium nebrodense*, *Taraxacum caramanicae*, and *T. gasparrinii*.

Obviously, the genera best represented in the list are the variable, complex and taxonomically critical ones, in order: *Anthemis* (16 names), *Centaurea* (12), *Senecio* (10), *Cirsium* (8) and *Carduus* (8). The predominance of *Anthemis* it is still more pronounced when taxa described by previous Sicilian authors, like Bivona, Tineo, Todaro and Gussone, are included.

While working on his Flora, Lojacono was based in Palermo, mostly employed as Assistant at the Palermo Botanic Garden, and he based most of what he wrote on material kept in the Palermo Herbarium (PAL). Often (but by no means always) he explicitly cited specimens deposited in that Herbarium. In order to typify his names, the material preserved in PAL is the mandatory start. This search revealed itself to be surprisingly difficult, and at times frustrating, as in several cases our search was vain – even when "Herb. Pan." was mentioned in the protologue. The following is an account of the main kinds of problems encountered:

- The way in which Lojacono cited seen material is far from consistent; for example, the localities and collections for a given variety are sometimes mentioned immediately after the description, sometimes at the end of the species treatment, preceded by the letter that designates the variety, and sometimes it is not mentioned at all.
- The localities in the protologue, when they are mentioned, do not always coincide exactly with those that appear on corresponding herbarium labels.
- The locality may be given in generalised terms only, or not be mentioned at all; this is often (but not always) due to the fact that the labels of the material seen by Lojacono lack data. He repeatedly complained in his Flora of the carelessness and lack of precision of others who failed to label their material properly – but then he himself, as we shall see, was no better.
- The same deficiencies apply to the collectors' names, which are but rarely mentioned on the labels; it is often possible to identify the collector from the handwriting, which was of course familiar to Lojacono, but the extent to which collectors' information appears in the Flora is completely erratic.

- Lojacono had no organised policy in annotating the specimens he used, including his own gatherings; in PAL, original labels with locality data by resident botanists, including Todaro and Lojacono, are disappointingly few. It is possible (but remains to be proved) that Lojacono did no longer have unlimited access to the PAL herbarium at the time of his writing up the *Compositae* for his Flora.
- Many of the (imprecise and incomplete) annotations of Lojacono are not attached to the specimen but pinned to the folders. It must have frequently happened that the specimens within a folder were removed, reclassified or misfiled by the diligence or carelessness of subsequent workers.
- Even bearing in mind all the above mentioned difficulties of locating the material, it is obvious that in a number of cases specimens seen by Lojacono in PAL, and so explicitly cited by him, do no longer exist. As many of the specimens present are in an advanced state of degradation (mainly due to herbarium beetle attack), one is led to suppose that the missing specimens were at some stage discarded.
- In two cases the folders bearing the original, autograph labels of Lojacono still exist, but are empty of content.
- In several instances the decision whether a given specimen is part of the material used by Lojacono was difficult, due to lack of corroborating annotations; it was then necessary to decide, based on the original descriptions, whether or not such specimens were acceptable as lectotypes (or by default, neotypes).

Original material for 58 of the names has been found in the Herbarium Siculum of Palermo (PAL), which allowed to designate a type. In some cases, a unique specimen was cited in the protologue and found in the herbarium, which we then considered as the holotype. However, when there is no certainty that only one specimen had been used, we prefer to consider a single available element as lectotype not holotype. When several original (or presumed original) elements were present, we gave preference to an element unambiguously associated with the protologue; other things being equal, we chose the most complete and best preserved specimen. For 3 names, in the absence of herbarium material, an original illustration is designated as type.

For 28 names, for which no original material could be found in PAL and no illustration exists, it is necessary to search in the holdings of other herbaria in the hope to find specimens suitable for typification – a difficult task for the future, with uncertain chances of success. Whereas Lojacono was based at Palermo for most of his life, he also distributed (sold) numerous specimens to others (it appears that none of his widely distributed *Centuriae* is present in PAL). When collections by other botanists are mentioned in the protologue, duplicates may exist in other herbaria. A verification in Naples (NAP, Herbarium Gussoneanum Siculum) has already been undertaken, with positive result in 3 cases, and 2 further lectotypes have been designated in Geneva (G-BU), reducing to 23 the number of untypified names.

The names of our inventory are given below in alphabetical order of tribes, genera and species, followed by: (1) reference to their place of valid publication; (2) relevant – [heterotypic] or (homotypic) – synonymy, with the name currently accepted as correct in **bold-face Italic** type; (3) indication of locality, collectors, illustrations etc. as they appear in the protologue, and (4), whenever available, the designated type, with a transcript of [folder label text, when appropriate], label information, and details of herbarium deposit. The

abbreviation MLP stands for Michele Lojcono Pojero. Explanatory notes, when necessary, form a subsequent paragraph of their own.

Names of which the type is not of Sicilian (or at least Maltese) origin are not taken into consideration, nor are new combinations, the types of which do not correspond to Lojcono's material but must be designated in conformity with the protologues of the basionyms. The same applies, by analogy, for nomenclaturally superfluous, illegitimate names (such as *Centaurea damanti* Lojac. [= *C. scabra* C. Presl]). Exception have been made in the case of two avowed substitute names published by Lojcono, *Filago cossyrensis* and *Taraxacum caramanicae*, for which he had seen original material of the replaced name that was, therefore, available for lectotypification purposes. Invalid designations or misapplied names are no names in the sense of the nomenclatural Code, and therefore they have no types.

The following synthesis of our typification efforts for Lojcono's 92 new Sicilian *Compositae* names is only a first step. Among our future tasks is the extension of this work to other families; the taxonomic revision of critical groups, with field studies in Lojcono's classical localities; and also an investigation of Michele Lojcono Pojero's life, by studying his extensive correspondence conserved in the archives of other institutions, e.g. Geneva (Burnat, Barbey, Briquet), Vienna, and the main herbaria of the Italian peninsula. Ultimately, it is intended to place label data and digital images of Lojcono's type specimens (and others at PAL) on the Internet for interactive consultation by anyone interested.

ANTHEMIDEAE

Anthemis aeolica Lojac., Fl. Sicul. 2(1): 84. 1903. – Protologue data: “Ic. nostra tab. VII, fig. 2 / Isole Bottaro, Basiluzzo, e Dattero nelle Eolie. Lojac. Apr. 1877, (sine fl.)”. – Lectotype (designated here): Figure of “*Anthemis Aeolica* Lojac. (*A. Marittima* Lojac. Fl. aeol.)” in Lojcono, Fl. Sicul. 2(1): t. 7, f. [2] (laev.).

Note: There is no specimen in PAL. The taxon needs further study, which may result in the designation of an epitype.

Anthemis arvensis var. *parviflora* Tin. ex Lojac., Fl. Sicul. 2(1): 83. 1903 [= *Anthemis arvensis* subsp. *sphacelata* (C. Presl) R. Fern.]. – Protologue data: “Tin. in sched. Herb. Pan! / Catania, Tin.” – Holotype: “a Catania Tin.”, (PAL 8953).

Anthemis brevifolia Lojac., Fl. Sicul. 2(1): 81. 1903 [= *Anthemis arvensis* subsp. *sphacelata* (C. Presl) R. Fern.]. – Protologue data: “Val Demone (Herb. Tod., Herb. H. Pan! loc. spec. non indic.). – Lectotype (designated here): “Flora Sicula exsiccata, *Anthemis sphacelata* C. Presl in delic. Prag.: 103. In pascuis apricis montosis – Madonie. Julio” *Todaro 1104* (PAL 9157; isolectotypes: PAL 9155, 9156).

Note: There is a specimen (PAL 8942) collected by Lojcono at “Mistretta ai Castelli” and identified by him as *Anthemis brevifolia*. As both the collector and the presence of an exact locality contrasts with the protologue indications, we do not consider that specimen as part of the original material.

Anthemis concolor Lojac., Fl. Sicul. 2(1): 87. 1903. – Protologue data: “nell'isola di Ustica Tin. in Herb. Pan! sub *A. secundiramea radio aureo*. Tin. Junio 1840.” – Holotype: [folder label: “*Anthemis concolor* Lojac.! MLP”]; “Giugno 1840, *A. secundiramea radio aureo*. Ustica” [manu Tineo] (PAL 9037).

Anthemis cotula var. *arbuscula* Lojac., Fl. Sicul. 2(1): 90. 1903 [= *Anthemis cotula* L.]. – Protologue data: “v. sicc. in Herb. Pan.! / senza località nell'Erb. Di Palermo. Cresce a

Malta, Schlumb! (Majo 1848!)”. – Lectotype (designated here): [folder label: “*Anthemis cotula* var. *arbuscula* mihi; Malta, Sicilia, MLP”]; “Maggio 1848, Malta, *Anthemis cotula* var. *arbuscula*, MLP” (PAL 9045).

Anthemis fuscata var. *uniflora* Lojac., Fl. Sicul. 2(1): 91. 1903 [= *Chamaemelum fuscatum* (Brot.) Vasc.] – Protologue data: “Sclafani Tod! Minà-Pal! S. Martino Herb. Pan!” – Lectotype (designated here): “*Anthemis fuscata* Brot. (Maruta) var. *uniflora* Lojac. S. Martino, Sclafani, MLP, Herb. Sic.” [manu Lojacono] (PAL 9053).

Anthemis incrassata var. *aeolica* Lojac., Fl. Sicul. 2(1): 83. 1903 [= *Anthemis arvensis* subsp. *incrassata* (Loisel.) Nyman] .] – Protologue data: “Lipari Tin.!” – Lectotype (designated here): (1) “*Antemis arvensis* Lin. Gay forma ad *incrassatam* referens var. *aeolica* an *Anth. arvensis* var. *granatensis* Fl. Hisp. Lipari *Tineo*” [manu Lojacono] . (2) “Aprile 54, *Anthemis arvensis* fol. calyc. apice sphacelatis Lipari Tin.!” [manu Tineo] (PAL 8954).

Note: Lojacono includes “*Anth. arvensis* var. *granatensis* Willk. et Lange fl. Hisp. II, p. 87?”; but the question mark, expressing doubtful synonymy, prevents illegitimacy of Lojacono’s name.

Anthemis intermedia var. *canescens* Lojac., Fl. Sicul. 2(1): 87. 1903 [= *Anthemis intermedia* Guss.] – Protologue data: none. – Lectotype (designated here): “*Anthemis intermedia* var. *canescens* Lojac., ex Herb. Baratto, MLP” [manu Lojacono], without locality data (PAL 9107).

Anthemis intermedia var. *nitida* Lojac., Fl. Sicul. 2(1): 87. 1903 [= *Anthemis intermedia* Guss.] – Protologue data: “senza località precisa. Herb. Pan!” – Lectotype (designated here): “*Anthemis intermedia* var. *nitida* Lojac., ex Herb. Baratto, MLP” [manu Lojacono], without locality data (PAL 9106, isolectotype: PAL 9108).

Anthemis intermedia var. *tenuisecta* Lojac., Fl. Sicul. 2(1): 87. 1903 [= *Anthemis intermedia* Guss.] – Protologue data: none. – Lectotype (designated here): “*Anthemis intermedia* var. *tenuisecta* Lojac., ex Herb. Baratto, MLP” [manu Lojacono], without locality data (PAL 9110).

Anthemis ismelia Lojac., Fl. Sicul. 2(1): 78. 1903 [= *Anthemis punctata* var. *lojaconoi* Fiori]. – Protologue data: “Ic. Nostra tab. VI. Magn. Pl. exs. n. 1463. Loj. Pl. sic. rar. exs. 286 / a M. Gallo dalla parte di Sferracavallo al Malo Passo Loj!”. – Lectotype (designated here): “Flora selecta exsiccata, Publié par Ch. Magnier. 1463. – *Anthemis Ismelia* Lojacono Sp. nova. – *A. punctata* Loj olim in contrib. fl sic. in Nat. sic. (Guss. ex parte! an Vahl ??) – *A. Cupaniana* Tod. ex parte! Sicile: rochers ombragés, mont Gallo. Avril-Mai 1887. M. Lojacono.” [printed label] (G-BU; isolectotype: G; paralectotype: G-BU).

Note: There is no specimen in PAL.

Anthemis lopadusana Lojac., Fl. Sicul. 2(1): 85. 1903. – Protologue data: “Ic. Nostra tab. VII, fig. 1 / Lampedusa Lojac. Aprile 1884”. – Lectotype (designated here): Figure of *Anthemis ismelia* in Lojacono, Fl. Sicul. 2(1): t. 7, f. [1] dext.

Note: There is no specimen in PAL.

Anthemis mixta var. *adonidifolia* Lojac., Fl. Sicul. 2(1): 89. 1903 [= *Cladanthus mixtus* (L.) Chevall.] – Protologue data: “Capo d’Orlando, fiumara di Zappulla. Herb. Tod. (*O. mixta luxurians* Tin. in Herb. Pan!). S. Michele”. – Lectotype (designated here): “*Anthemis mixta* b. *luxurians* Nob., S. Michele” [manu Tineo] (PAL 9124).

Anthemis palumboi Lojac., Fl. Sicul. 2(1): 91. 1903 [= *Cota triumfettii* (L.) J. Gay] – Protologue data: “v. sicc. in Herb. Tod. / In Sicilia senza indicazione di località precisa.” – Holotype: [folder label: “*Anth. (Cota) canescens* Brot ex descript. Prodr. Candoll., ubi, Ex Herb. Todaro MLP” (manu Lojacono)]; “*Anth. (Cota) canescens* Brot . fl. mascr. an forma glabrescens MLP. Annua? anche dubita l’autore” (PAL 9062).

Note: In the protologue Lojacono refer to a possible synonymy with *Anthemis canescens* Brot., with a question mark. It is one of the cases when he appears to have changed his mind at the last moment and did not bother to annotate the herbarium label accordingly.

Anthemis pedunculata var. *tenuisecta* Lojac., Fl. Sicul. 2(1): 79. 1903 [= *Anthemis pedunculata* Desf.] – Protologue data: “nel Val Demone nei monti elevatissimi di Cannata! Acquasanta! leg. Citarda!”. – Lectotype (designated here): “Acquasanta, 9 Giugno 49” [manu Citarda] (PAL 9169; probable isolectotypes: PAL 9166-9168 without labels).

Note: The folder containing the above 4 specimens bears two labels (the second inside) the first refers to the species as a whole. They read “*A. pedunculata* Desf. ha l’abito di una piccola *A. montana*; confusa nell’erb. Bar.e [Baratte] sotto il nome di *A. sphacelata* *A. arvensis* *A. incrassata* etc.”; and: “Le accluse sono state segregate e sono distinte dalle *A. sphacelata* e *A. arvensis* [sic] costituendo un ciclo di forme molto aberranti e che io ritengo subordinate dalla [sic] tipica *A. montana*. Conseguentem. ho ritenuto trattarsi della *A. peduncularis* Desf. ritenuta giustam. da Batt. Fl. Atl. del gruppo della *A. montana*, assieme alla *A. tuberculata*. Le accluse non sono uniformi nè tipiche della *A. pedunculata* forse molte di esse sarebbero da considerarsi come var. *tenuisecta* della stessa.” One specimen bearing label, the others should be probably isolectotypes.

Anthemis secundiramea var. *pectinata* Lojac., Fl. Sicul. 2(1): 85. 1903 [= *Anthemis secundiramea* Biv.] – Protologue data: “v. s. in Herb. Tod. / senza local. nell’Erb. Tod.!”. – No original material traced.

ASTEREAE

Bellis annua var. *caulescens* Lojac., Fl. Sicul. 2(1): 57. 1903 [= *Bellis annua* L.] – Protologue data: “Panaria Loj.!”. – No original material traced.

CARDUEAE

Amberboa lippii var. *subdiscolor* Lojac. in Naturalista Sicil. 4. 133. 1885 [= *Volutaria tubuliflora* (Murb.) Sennen]. – Protologue data: “Linosa (v. Zwierlein)”. – No original material traced.

Carduncellus caeruleus var. *acaulis* Lojac., Fl. Sicul. 2(1): 172. 1903 [= *Carthamus caeruleus* L.] – Protologue data: “Polizzi, Ross”. – Holotype: “Polizzi” [manu Ross], “Carduncellus caeruleus” [manu Todaro] “*C. tingitanus* DC? var *acaulis*” [manu Lojacono] (PAL 11019).

Carduncellus caeruleus var. *integer* Lojac., Fl. Sicul. 2(1): 172. 1903 [= *Carthamus caeruleus* L.] – Protologue data: “(senza local.) in Herb. Pan.”. – No original material traced.

Carduncellus gracilis Lojac., Fl. Sicul. 2(1): 172. 1903 [= *Carthamus caeruleus* subsp. *tingitanus* (L.) Rivas Goday & Rivas-Mart.] – Protologue data: “Ic. Nostra tab. XX, fig. 1. / v.s. in Herb. H. Pan. sine locu spec. ac. nomencl. / In Sicilia”. – Lectotype (designated here): (1) “*C. caeruleus* forma singolare *C. strictus* Pomel? (*Carthamus*) MLP” (2) “*C. gracilis*” [manu Lojacono] (PAL 11014).

- Carduus arabicus* var. *spinosior* Lojac., Fl. Sicul. 2(1): 170. 1903 [= *Carduus pycnocephalus* subsp. *marmoratus* (Boiss. & Heldr.) P. H. Davis]. – Protologue data: “a Catalfano e Sferracavallo presso Palermo”. – Lectotype (designated here): “Sferracavallo, Maggio 1850” [manu Tineo], “*arabicus* var *spinosior*” [manu Lojacono] (PAL 10048).
- Carduus glaberrimus* Lojac., Fl. Sicul. 2(1): 167. 1903 [= *Carduus argyrea* Biv.]. – Protologue data: “presso Capaci, verso il mare”. – Lectotype (designated here): [Folder labels: (1) “*Carduus glaucescens* n. sp.?”; (2) “*C. argyrea* Biv. var. *glaberrimus* Sicilia MLP An *argyrea fastigi.* DC.” (manu Lojacono)]; “*C. fastiginatus* Moris *C. argyrea* non *fastiginatus* DC.” (PAL 10060; isolectotypes: PAL 10057, 10058, 10059).
Note: There are no locality or collector data; however, the specimen fits the original description of Lojacono.
- Carduus intermedius* Lojac., Fl. Sicul. 2(1): 167. 1903 (≡ *Carduus pycnocephalus* subsp. *intermedius* (Tineo) Giardina & Raimondo). – Protologue data: “*C. pycnoceph.* *intermedius* Tin. in Herb. Pan. / Palermo a Castellaccio Herb. Pan.! e nell’isola di Pantelleria Herb. Pan.!”. – Lectotype (designated here): [folder label: “*Carduus pycnocephalus* Lin var *intermedius* [manu Tineo?] Tin. *Carduus intermedius* Sicilia MLP” [manu Lojacono]; “7 Giugno 1828 *Carduus pycnocephalus* fl. rubro, Monte Cuccio” [manu Tineo] (PAL 10165).
Note: In spite of the difference in locality (M. Cuccio and Castellaccio being close to each other, near Palermo) we consider the specimen as part of the original material, as it perfectly fits the original description of Lojacono.
- Carduus macrocephalus* var. *chrysacanthus* Lojac., Fl. Sicul. 2(1): 171. 1903 [= *Carduus nutans* subsp. *siculus* (Franco) Greuter]. – Protologue data: “*C. chrysacanthus* Reichb. Ic. tab. 147! p. 93! (non Ten.!) / *C. circinnatus* ... collegit Gnocchi (?) ex Apennino Apuano / S. M. del Bosco Herb. Pan.!” – Lectotype (designated here): [folder label: “*Carduus macrocephalus* var. *chrysacanthus* mihi, non Ten. S. M. [Santa Maria] del Bosco, MLP”]; “*C. macrocephalus*, S. M^a del Bosco, *Todaro* [18]51” (PAL 10140; paralectotypes: PAL 10137, 10136, 10138).
- Carduus macrocephalus* var. *longilepis* Lojac., Fl. Sicul. 2(1): 171. 1903 [*Carduus nutans* subsp. *macrocephalus* or subsp. *siculus*?]. – Protologue data: “Ficuzza, Palermo a Cacudda, Pizzuta, S. M. del Bosco (glaber v. lanuginosus)”. – Lectotype (designated here): “S. M. del Bosco” (PAL 10133; paralectotypes: PAL 10131, 10132, 10134, 10137, 10138).
- Carduus macrocephalus* var. *polycephalus* Lojac., Fl. Sicul. 2(1): 171. 1903 [*Carduus nutans* subsp. *macrocephalus* or subsp. *siculus*?]. – Protologue data: “Nebrodes”. – No original material traced.
- Carduus membranaceus* Lojac., Fl. Sicul. 2(1): 168. 1903. t. 14 fig. laev. [= *Carduus acicularis* Bertol. ??] – Protologue data: “Ic. Nostra tab. XIV, pag. [sic] 1. / Bosco di Colobria, Verdura! Etna, strada per Nicolosi (subtypicus) Herb. Pan.”. – Lectotype (designated here): “Verdura, Maggio [18]44” [manu *Gasparrini*?] (PAL 10180, right-hand plant); paralectotype: “Strada per Nicolosi, 22 Maggio 1841” [manu Tineo] (PAL 10180, left-hand plant).
- Carduus pseudosyriacus* Lojac. in Naturalista Sicil. 4: 109. 1885 (≡ *Carduus pycnocephalus* subsp. *lopadusanus* Arcangeli, Comp. Fl. Ital.: 722. 1894) [= *Carduus pycnoce-*

- phalus* subsp. *marmoratus* (Boiss. & Heldr.) P. H. Davis]. – Protologue data: “*Carduus pycnocephalus* var. γ *lopadusanus* Arcang. / [Lampedusa] presso il paese ... raccolta dai signori Sommier ed Ajuti / anco in Malta]. – Lectotype (designated here): “Planæ Siculae (ex insula Lampedusa), prope portum, 27 Aprili 1873, *Sommier!*” (PAL 10135).
- Centaurea aeolica* Guss. ex Lojac., Fl. Sicul. 2(1): 136. 1903 (\equiv *Centaurea aplolepa* subsp. *aeolica* (Lojac.) Dostál). – Protologue data: “Lojac. exs.VI, 596 / Lipari al Capistello ed alle Coste del Cappero, Loj.!, M. Giardina etc., Vulcano Lojac. Aug. 1902! Alicuri, Salina, Stromboli, Panaria, Dattolo, Basiluzzo, Liscabianca Guss.” – Lectotype (designated here): “In insula Lipari, rara et localis, Junio, MLP” [manu Lojacono] (PAL 10639; probable isolectotype [Plantae Siculae rariores, 596]: G-BU; paralectotypes: PAL 10636, 10637, 10638).
- Centaurea busambarensis* var. *prostrata* Lojac., Fl. Sicul. 2(1): 135. 1903 [= *Centaurea busambarensis* Guss.]. – Protologue data: “C. prostrata Huet exsic. Sic. ann. 1855, C. cinereo-humilis Guss. exs. C. Parlatoris Herb. Pan. (p. partem) / Passo della Botte Ross! (sub C. Parlatoris) Scalonazzo Lojac!, Carbonara Lojac! dirupi d’Isnello ed in tutte le rupi elevatissime che sovrastano Montaspro”. – Lectotype (designated here): [folder label: “C. busambarensis Guss. var. *prostrate* Huet exs. Nebrodi Aetna, MLP” (manu Lojacono)]; “Giugno, C. *parlatoris* b. *tomentosa* Guss. Isnello dirup” [manu Tineo]; “non è la C. *parlatoris*” [manu Lojacono, on sheet] (PAL 10796; paralectotypes: PAL 10797, 10669, 10800, 10802).
- Centaurea cyanus* var. *linifolia* Lojac., Fl. Sicul. 2(1): 133. 1903 [*Cyanus segetum* Hill]. – Protologue data: “v.s. sine nomine ac indicatione loci in Herb. Pan.”. – Lectotype (designated here): [folder label: “C. cyanus var. *linifolia* Lojac. Sicilia ubi? MLP” (manu Lojacono)]; “C. cyanus” [manu Todaro], “C. cyanus var. *linifolia* MLP” [manu Lojacono] (PAL 10737).
- Note: Another specimen exists in PAL, that seems to be part of the same gathering: “Centaurea, Madonie, Giugno 1859” [manu Todaro] (PAL 10886).
- Centaurea durieui* Lojac., Fl. Sicul. 2(1): 147. 1903. [*Centaurea napifolia* L. \times *Centaurea nicaeensis* All.] – Protologue data: “C. nicaeensis var. *Riaei* Reichb. Ic. fl. Germ et Helv. p. [sic] 69, fig. III. C. aemula Jojac. in sched. / Ic. Nostra tab. XVIII, fig. 2 / (v. s. in Herb. Pan. sine nom. cum C. *napifolia* commixta) Palermo ... Marsala”. – Lectotype (designated here): [folder label: “C. durieui Lojac an hybr C. *napifolia* \times C. *nicaeensis* C. *rieai* var... Reich? MLP Marsala” (manu Lojacono)]; (1) “C. *napifolia* \times *niscata* [?].n. sp. Marsala MLP” [manu Lojacono]; (2) “Centaurea, Marsala 1863 Maggio, Citarda” [manu Citarda] (PAL 10781; paralectotypes: PAL 10780, 10779).
- Centaurea filaginoides* Lojac., Fl. Sicul. 2(1): 144. 1903 [*Centaurea solstitialis* subsp. *schouwii* (DC.) Gugler]. – Protologue data: “Ic. Nostra tab. XVII, fig. 3 / Ficuzza Lojac.! e forse a Castelbuono e località analoghe (senza local. in Herb. Pan.)”. – Lectotype (designated here): [folder label: “C. apula Ten.! Sicilia MLP” [manu Lojacono]; “a sinistra la vera C. *apula* Lam. MLP” [manu Lojacono] (PAL 10649, right-hand plant).
- Note: The original label of the right-hand plant no longer exists. That plant is very similar to Lojacono’s original drawing.
- Centaurea lappacea* var. *adunca* Lojac., Fl. Sicul. 2(1): 143. 1903 [= *Centaurea solstitialis* subsp. *adamii* (Willd.) Nyman]. – Protologue data: “Ic. nostra tab. XVIII [recte: XVII],

- fig. 1-3-4 / v. s. in Herb. Pan. / raccolta in Sicilia da Philippi”. – Lectotype (designated here): Figure of “sq. *Centaureae aduncae*” in Lojacono, Fl. Sicul. 2(1): t. 17, f. centr.
- Centaurea macroacantha* var. *autumnalis* Lojac., Fl. Sicul. 2(1): 141. 1903 [= *Centaurea macroacantha* Guss.]. – Protologue data: none. – Lectotype (designated here): [folder label: “*C. macroacantha* Guss. forma *autumnalis* Lojac. MLP” (manu Lojacono)]; “*C. macroacantha* Guss. forma *autumnalis* Lojac. Herb. Tod.” [manu Lojacono] (PAL 10760).
- Note: See Colombo & Marcenò (1984) regarding the taxonomy of the species.
- Centaurea panormitana* Lojac., Fl. Sicul. 2(1): 137. 1903 [*species dubia*]. – Protologue data: “a S. Martino in via della Portella di S. Anna, Lojac.!” – No original material traced.
- Centaurea schouwii* var. *lorata* Lojac., Fl. Sicul. 2(1): 144. 1903 [= *Centaurea solstitialis* subsp. *schouwii* (DC.) Gugler]. – Protologue data: “v. s. in Herb. Tod. s. nom. nec loco / senza luogo Herb. Tod.”. – No original material traced.
- Centaurea schouwii* var. *rhombea* Lojac., Fl. Sicul. 2(1): 144. 1903 [= *Centaurea solstitialis* subsp. *schouwii* (DC.) Gugler]. – Protologue data: “Tortorici, M. S. Pietro, Acqua Santa Herb. Pan. Lorito Tod.”. – Lectotype (designated here): [Folder label: “*Centaurea schouwii* DC. var. *rhombifolia* Lojac. MLP, Acq. Santa, Tortorici, V. Demone Cit. Riccob.” (manu Lojacono)]; (1) “Tortorici, 29 giugno ... [*Citar*]da” [manu Citarda]; (2) “*C. schouwii* Lin. var. *rombifolia* MLP, Acq. Santa nel V Demone Cit.” [manu Lojacono] (PAL 10841; paralectotypes: PAL 10840, 10839, 10842).
- Centaurea solstitialis* var. *hastifolia* Lojac., Fl. Sicul. 2(1): 143. 1903 [= *Centaurea solstitialis* L.]. – Protologue data: “*C. sicula* Herb. Pan. Tod. / Mirto, Tortorici all’Immacolatella, Reina in Herb. Pan.”. – No original material traced.
- Centaurea soluntina* Tin. ex Lojac., Fl. Sicul. 2(1): 135. 1903 [= *Centaurea ucriae* subsp. *todaroii* (Lacaita) Renzoni & Viegi]. – Protologue data: “Tin. in Herb. Hort. R. Pan. / versante N.-Est del M. Catalfano Tin. Herb. Pan.” – No original material traced.
- Note: A folder bearing the label “*Centaurea soluntina*” exists in PAL, but includes no specimen corresponding with Lojacono’s description and locality.
- Cirsium cardoleonis* Lojac., Fl. Sicul. 2(1): 158. 1903 [= *Cirsium vulgare* subsp. *crinitum* (DC.) Arènes]. – Protologue data: “Santa Cristina-Gela presso Piana-Greci ... Herb. Pan. (sub. *C. italicum* Tod. v. *C. lanceolatum* Tod. in sched.), Leg. Reina Julio, 1873”. – Lectotype (designated here): “Santa Cristina Julio 1873 *Cirsium cardo-leonis* MLP” [manu Lojacono] (PAL 10188; isolectotype: PAL 10189).
- Cirsium dubium* Lojac., Fl. Sicul. 2(1): 155. 1903 [= *Cirsium vulgare* subsp. *crinitum* (DC.) Arènes]. – Protologue data: “*C. lanceol. incanescens* Herb. Pan. / Fiume di Misilmeri presso il paese Tin! Regalbuto Tod.”. – Lectotype (designated here): [Folder label: “*C. lanceolatum* var. *incanescens*, Regalbuto Tod.” (manu Lojacono)]; “*Cnicus lanceolatus* β *incanescens*, Regalbuto” [manu Todaro] (PAL 10475, probable isolectotypes: PAL 10476, 10474; paralectotypes: PAL 10347).
- Note: In NAP-Guss.-Sicil. a specimen is kept that is probably a part of original material. It is labelled: “*Cnicus lanceolatus* sp. nova” [manu Gussone] “sotto Misilmeri nel vallone del fiume Tin. Agosto 49” [manu Tineo].
- Cirsium giganteum* var. *macrocephalum* Lojac., Fl. Sicul. 2(1): 160. 1903 [= *Cirsium scabrum* (Poir.) Bonnet & Barratte]. – Protologue data: “in Herb. Tod.” – Lectotype (desi-

- gnated here): “*Cirsium giganteum* (*C. elatum* Tod.) var. *macrocephalum* Lojacono ubi Tod.” [manu Lojacono] (PAL 10357).
- Cirsium gigas* var. *eriophorum* Lojac., Fl. Sicul. 2(1): 160. 1903 [= *Cirsium scabrum* (Poir.) Bonnet & Barratte]. – Protologue data: “Herb. Tod.”. – Lectotype (designated here): “*Cirsium gigas* Tin. var. *eriophorum* Lojac. ubi Tod.” [manu Lojacono] (PAL 10460).
- Cirsium lanceolatum* var. *subbipinnatum* Lojac., Fl. Sicul. 2(1): 155. 1903 [= *Cirsium vulgare* (Savi) Ten. subsp. *vulgare*?] – Protologue data: “Is. Eolie”. – Lectotype (designated here): “*Cirsium lanceolatum* Scop? var. *bipinnatum* Is. Eolie Alicuri” [manu Lojacono] (PAL 10370; paralectotypes: PAL 10363, 10368).
- Cirsium lanceolatum* var. *tenuispinum* Lojac., Fl. Sicul. 2(1): 155. 1903 [= *Cirsium vulgare* (Savi) Ten. subsp. *vulgare*]. – Protologue data: “S Martino”. – Lectotype (designated here): (1) “*C. lanceolatum* var. *tenuispinus* Lojac. S Martino MLP” [manu Lojacono]; (2) “*C. lanceolatum* Scop. var. *brevispinus* Lojac. S Martino MLP” [manu Lojacono] (PAL 10367).
- Cirsium polyanthemum* var. *longispinum* Lojac., Fl. Sicul. 2(1): 154. 1903 [= *Cirsium creticum* subsp. *triumfettii* (Lacaita) Werner] – Protologue data: “Casale (di Busambra?) Reina in Herb. Pan., Acqua Santa, Boschi di Cannata Tin! nel V. Demone, (sub *C. flavispinus* Boiss. manu J. Ball)”. – Lectotype (designated here): “Casale, Luglio [18]53”, *Reina* [manu Reina] (PAL 10498).
- Cirsium vallis-demonii* Lojac. in Naturalista Sicil. 3: 267. 1884. – Protologue data: “*Cirsium Lobelii* mihi Pl. Sic. rar. exsicc. Cent. V, N. 582 / Val Demone al Gurgo di Scavioli, Acquasanta, Cartolari, M. Soro 1500-1700 m. s. m. / io nel giugno 1883 la colsi sino sulla vetta di M. Soro a circa 1700 m”. – Lectotype (designated here): “Plantae Siculae rariores 582 *Cirsium Lobelii* Ten. C. Boujarti Savi ex Nym. Syll. fl. Eur. Julio 1882, In sylvaticis solo ... (Valdémone) Mangalavite Leg. *M Lojacono*” [autographic, Lojacono]; “*Cirsium Lobelii* N 582, ann. 1882, leg. Lojacono” [manu Burnat], “Herbier general, Note à placer à coté du *Cirsium Lobelii*...” (G-BU); isolectotype: G; paralectotypes: PAL 10398, 10508, 10509).
- Note: The specimens in PAL are part of the original material but, as they are not explicitly cited as specimens in the protologue, they have not the status of syntypes.
- Crupina crupinastrum* var. *fasciculata* Lojac., Fl. Sicul. 2(1): 151. 1903 [= *Crupina crupinastrum* (Moris) Vis.]. – Protologue data: “ad Avola Bianca!”. – Lectotype (designated here): (1) “Maggio, *Centaurea crupina* b. fl. fasciculatis, Avola” [manu Tineo]; (2) “Giugno 1850, *Centaurea crupina*, Caltanissetta” [manu Tineo] (PAL 10717).
- Kentrophyllum lanatum* var. *depressum* Lojac., Fl. Sicul. 2(1): 150. 1903 [= *Carthamus lanatus* L.]. – Protologue data: nine. – Lectotype (designated here): “*Carduus* (*Kentrophyllum*) *lanatum* var. *depressum* Lojac.” [manu Lojacono] Ex legato Aug. Todaro (PAL 10994; paralectotype: PAL 10995).
- Notobasys syriaca* var. *mitis* Lojac., Fl. Sicul. 2(1): 153 1903 [= *Notobasys syriaca* (L.) Cass.]. – Protologue data: “v. s. in Herb. Pan.”. – Lectotype (designated here): “*mitis* P. H. ubique 1820” [manu Tineo] (PAL 10507).
- Onopordon mandraliscae* Lojac., Fl. Sicul. 2(1): 162. 1903., t. 10 f. 2; t. 21 f. inf. dext. 1903 [= *Onopordum horridum* Viv.]. – Protologue data: “Ic. Nostra tab. X, fig. 2 et tab. XIV, fig. 2 (capitulum) / Lipari raccolto da Mandralisca ann. 1855, (v. sicc. in H. B.

Panom. [sic]”. – Lectotype (designated here): “*Onopordon mandraliscae*, Lipari, MLP” [manu Lojacono] (PAL 10558; paralectotypes: 10559, 10560).

CICHORIEAE

Andryala minuta Lojac., Fl. Sicul. 2(1): 223. 1903 [= *Andryala integrifolia* L.] – Protologue data: “A. dentata strictissima Lojac. olim in sched. / Messina Zodda! Naso Reina! Tortorici Tod.!” – Lectotype (designated here): “*Andryala stricta* Lojac. Flora, Provinca di Messina *Zodda* misit Ross” [manu Lojacono] (PAL 11870).

Crepis bursifolia var. *lacinuosa* Lojac., Fl. Sicul. 2(1): 212. 1903 [= *Crepis bursifolia* L.] – Protologue data: “scala del Mezzagno ed a Catania, Aci, Giarre, Bronte, Maletto, Maniaci, Nicosia. Guss.” – Lectotype (designated here): (1) “*Crepis bursifolia* Scala del Mezzagno Maggio 1869, *Reina*” [manu Reina]; (2) “*Crepis bursifolia* Lin var. *laciniata* Palermo, [...] L[ojacono]” [manu Lojacono] (PAL 11343).

Hieracium cophanense Lojac., Fl. Sicul. 2(1): 218. 1903. ≡ *Hieracium lucidum* subsp. *cophanense* (Lojac.) Greuter in Willdenowia 37: 164. 2007 (≡ *Hieracium lucidum* subsp. *cophanense* (Lojac.) Greuter) – Protologue data: “a M. Cofani, tra Capo S.Vito e Bonagia (Herb. Pan.)”. – Lectotype (designated here): (1) “*Hieracium cophanense* Lojac. Ined. in Fl. Sic. ined. vol. III, *H. lucidum* Guss. quoad pl. e M-te Cofano, Giunio, MLP” [manu Lojacono]; (2) “Trapani” (PAL 11481).

Hieracium crinitum var. *caulescens* Lojac., Fl. Sicul. 2(1): 219. 1903. – Protologue data: “H. crinitum foliosum olim. in sched. H. crinitum Lojac. veget, Is. Eol. p. 116 e Ins. Salina! / alla Canna 1400! (Nebrodes) Lojac. et Failla! Agosto 1877, [...] ed all’Isola di Salina, vetta del M. Rivi versanti boreali che guardano Malfa 950 m.! Lojac.! senza fiore in Agosto.” – Lectotype (designated here): (1) “*Hieracium crinitum* [...] Canna Madonie Aug 1877 ML” [manu Lojacono]; (2) “Dr. S. Belli Revisio *Hieraciorum* Italiae *Hieracium crinitum* forma” [manu Belli] (PAL 11510).

Note: Two plants without flowers.

Hieracium crinitum var. *eristachyum* Lojac., Fl. Sicul. 2(1): 219. 1903. – Protologue data: “senza località precisa nell’Erb. Tod.” – Lectotype (designated here): [folder label: “*Hieracium crinitum* var. *eristachyum* Lojac. [manu Lojacono] Ex legato Aug. Todaro”]; “Dr. S. Belli Revisio *Hieraciorum* Italiae *Hieracium crinitum* forma” [manu Belli] “var. *eristachyum* Lojac?” [manu Lojacono]. (PAL 11512).

Hieracium nebrodense Lojac., Fl. Sicul. 2(1): 222. 1903. – Protologue data: “H. nebrodense Tin. ined. in Herb. Pan. H. borzianum Belli ined. in sched. H. Pan. / Monti Nebrodi!, Polizzi alle Serre delle Sancisughe Tin. auth.! (19 Majo 1830)”. – Lectotype (designated here): [folder label: “*Hieracium nebrodense* Tin.” (manu Tineo)]; (1) “19 Maggio 1830 *Hieracium nebrodense* Nob. Serre di Sancisughe” [manu Tineo]; (2) “[Dr. S. Belli Revisio *Hieraciorum* Italiae *H. Sartorianum* var. ... ?, Stirps. *Oreadea* Fr., Grex *Sartoriana* Arv. T., *Hieracium borzianum* nob. forma, (*H. nebrodense* Tin. ined.)” [manu Belli] (PAL 11600).

Seriola laevigata var. *grandiflora* Lojac., Fl. Sicul. 2(1): 190. 1903 [= *Hypochaeris laevigata* (L.) Ces. & al.] – Protologue data: “var. α grandiflora Loj! exs. S. glauca Tin. in sched. Herb. H. Pan. / M. Gallo e vers. bor. di M. Pellegrino”. – No original material traced.

Seriola laevigata var. *media* Lojac., Fl. Sicul. 2(1): 191. 1903 [= *Hypochaeris laevigata* (L.) Ces. & al.] – Protologue data: “*Piptopogon glaucum* Tod. exicc. VII, 663! / monti

- di Palermo [...] Ficuzza [...] Loj! [...] Castelbuono Loj! Herb. Pan. Madonie Loj! Busambra Herb. Pan.” – Lectotype (designated here): “*Piptopogon glaucum* exicc. 663 *Todaro*” (PAL 11753; isolectotypes: PAL 11754-11756).
- Seriola laevigata* var. *montana* Lojac., Fl. Sicul. 2(1): 191. 1903 [= *Hypochaeris laevigata* (L.) Ces. & al.] – Protologue data: “S. albicans Tin. S. rubescens Tin. Pug. Pl. Sic. p. 19 S. alliatæ Biv. Cent. 2 p. 52 t. 7 / Madonie, Loj!, Busambra Herb. Pan.” – Lectotype (designated here): “Aprile, *Seriola laevigata* var. *albicans*” [manu Tineo] (PAL 11700; paralectotype: PAL 11706).
- Sonchus asper* var. *pinnatisectus* Lojac., Fl. Sicul. 2(1): 205. 1903 [= *Sonchus asper* (L.) Hill] – Protologue data: “Balestrate, Palermo Herb. Pan! Lipari Lojac!.” – Lectotype (designated here): [folder label: “*Sonchus asper* var. *pinnatifidus*”]; “*Sonchus asper* Lipari, 28 Aprile 1877, ML” [manu Lojacono] (PAL 12001).
- Taraxacum caramanicae* Lojac., Fl. Sicul. 2(1): 200. 1903. T. 2, f. 5. (≡ *Caramanica taraxacoides* Tin., Pl. Rar. Sic.: 4. 1846 [non *Taraxacum taraxacoides* (W. D. J. Koch) Willk. 1870]). – Protologue data (of Tineo): “Militello Val di Noto, a Santa Barbara” – Holotype: [Folder labels: (1) “*Taraxacum caramanicae* Lojac. Flora” (manu Lojacono); (2) “*Caramanica taraxacoides* Tin.” (manu Tineo)]; (1) “li 25 8^{bre} 1829 *Caramanica taraxacoides* Tin. Militello di Val di Noto a S. Barbara” [manu Tineo]; (2) “8^{bre} *Caramanica taraxacoides* Tin. Mil. V. di Noto apud S. Barbara” [manu Tineo] (PAL 11996).
- Taraxacum gasparrinii* [‘*Gasparini*’] Tin. ex Lojac., Fl. Sicul. 2(1): 201. 1903. – Protologue data: “T. Gasparini Tin. ined. in Herb. Pan. / Etna a Nicolosi [...] 3 a 7000 p., Strobl! Monte di Sorca Strobl! Tin. in Herb. Pan.! Vallone dei Zappini, nel bosco di Centozucchi, Nicolosi, M. del Mozzo Tin! In Herb. Pan. et Guss., Caronie Tin!, Boschi di Cannata e B. di Valdemone Tod!.” – Lectotype (designated here): [folder labels: (1) “*Taraxacum Gasparrini* Tin. ined. Lojac. Flora Etna V Demone locle MLP” (manu Lojacono); (2) “*Leontodon Gasparrini* Tin.” (manu Tineo) “*Taraxacum appenninum* quoad struct^m achaeniorum” (manu Lojacono)]; “Maggio *Leontodon Gasparrini* Nob. Etna Monte di Sorca etc. etc. Nicolosi Monte del Mozzo” [manu Tineo] (PAL 11798, paralectotypes: PAL 11996, 11800, 11801, 11971-11977).

GNAPHALIEAE

Helichrysum porcarii Tin. ex Lojac. in Naturalista Sicil. 2: 182. 1883 [= *Helichrysum pendulum* (C. Presl) C. Presl]. – Protologue data: “Hel. Porcari Tin ined. in Herb. H. Reg. Pan. / Madonie al Passo della Botte”. – Lectotype (Aghababayan & al. 2007: 1287): “*Helichrysum porcari* Tin., Agosto, Madonie, Salto della Botte, *Porcari*” [manu Porcari] (NAP-Guss.-Sicil.).

Note: No specimen is present now in PAL. The lectotype specimen is a duplicate of the lost holotype.

Helichrysum wickstromii Tineo ex Lojac. in Naturalista Sicil. 2: 182. 1883 [= *Helichrysum pendulum* (C. Presl) C. Presl]. – Protologue data: “Hel. Wickstromii Tin [in Herb. H. Reg. Bot. Pan.] / Pizzuta”. – Lectotype (Aghababayan & al. 2007: 1287): “Giugno 49, *Elichrysum Wickströmii* Tin. ined., Pizzuta” [manu Tineo] (NAP-Guss.-Sicil.).

Note: No specimen is present now in PAL. The lectotype specimen is a duplicate of the lost holotype. A second sheet, also in Gussone’s Sicilian herbarium, is probably another

er duplicate. It lacks an original label but bears a label copy signed “Grande, 1916”, with the text “*Helichrysum pendulum* Presl!, loc. Pizzuta, legit Tineo”.

Filago cuneata Lojac., Fl. Sicul. 2(1): 107, t. 8, f. infer. 1903. – Protologue data: “F. n. sp. Tin. in Herb. Pan. / Ic. Nostra tab. VIII, fig. 3 / alla Favorita, abbeveratojo delle Lenti Herb. Pan. manu Tin! Marsala Sciare, Herb. Pan!” – Lectotype (designated here): [folder label: “*Filago, Fil.: sp. nov.* Tin. (manu Tineo) *F. aurea* Lojac! olim *F. cuneata* Lojac. [...] an *F. pseudoevax* Rouy sp. distinctissima MLP (manu Lojacono)]; “Maggio 50 *Filago* ...n. sp. ascuigatojo della lento alla Favorita [manu Tineo] (PAL 8600; isolectotypes: PAL 8604; paralectotype: PAL 8586, 8598, 8597).

Filago micropodioides* var. *subulata Lojac., Fl. Sicul. 2(1): 108. 1903 [= ***Filago pyramidata*** L.] – Protologue data: “F. sicula Lojac. olim / Dingoli presso Piana?” – No original material traced.

Note: The label of the presumable holotype is present at PAL: “*F. sicula* Lojac. olim; a Dingoli presso Piana” [manu Lojacono] (PAL 8541). However, there is no specimen associated with it.

Filago gallica* var. *tinei Lojac., Fl. Sicul. 2(1): 110. 1903. – Protologue data: “F. tinei Sorrentino in sched. Herb. H. Reg. Bot. Pan. F. gallica var. crassa Loj. olim / Bosco di Alcamo Sorrent! Tineo! Madonie!! Caltanissetta, Sicilia meridionale in Herb. Pan.!,” – Lectotype (designated here): [folder label: “*Filago Tinei* Sorr. (manu Tineo) *F. tenuifolia* Presl var. *crassa* Lojac.” (manu Lojacono)]; “Giugno [18]49, *Filago Tinei* Sorr., Alcamo” [manu Tineo] (PAL 8584; isolectotype: PAL 8583; paralectotypes: PAL 8581, 8582, 8585, 8586, 8587).

Filago cossyrensis Tin. ex Lojac. in Naturalista Sicil. 4:108. 1885 (≡ *Evax tenuifolia* Guss. Fl. Sicul. Syn. 2: 460. 1844 [non *Filago tenuifolia* C. Presl 1822] ≡ *Filago gussonei* Lojac. Fl. Sicul. 2(1): 110. 1903. nom. ileg. ≡ *Filago germanica* var. *gussonei* Fiori in Fiori & Paoletti, Fl. Anal. Ital. 3 (2): 274. 1904 ≡ ***Filago pyramidata*** var. ***gussonei*** (Fiori) Wagenitz in Willdenowia 5: 405. 1969). – Protologue data (of Gussone): “In aridis calcareis sterilibus; Lampedusa. Aprili Majo.” – Lectotype (designated here): “6 *Evax tenuifolia* Guss. sin. 2 p. 460, In arvis sterilibus, Lampedusa, Aprili Majo” [manu Gussone] (NAP-Guss.-Sicul.).

Note: Lojacono gave no description of his own but proposed *Filago cossyrensis* as an avowed substitute for *Evax tenuifolia* Guss., adopting for this purpose a herbarium name of Tineo [as “Ten.”]. When he later found that Tineo’s specimen in fact represents a different species (see next entry), he retained the name *F. cossyrensis* for it and illegitimately renamed the present species *F. gussonei*.

Filago cossyrensis Tin. ex Lojac., Fl. Sicul. 2(1): 110. 1903 [non Tin. ex Lojac. 1885] (≡ *Oglifa lojaconoi* Brullo ≡ ***Filago lojaconoi*** (Brullo) Greuter) – Protologue data: “F. cossyrensis Tin. ined. in Herb. Pan. / Ic. Nostra tab. XX, fig. 2 / Linosa, Calc.! Zwierr! Pantelleria, Errera!”. – Lectotype (designated here): [folder label: “*Filago cossyrensis* Tin. = *Filago tenuifolia*” (manu Tineo)]; “*Filago*, Linosa, 10 Giugno 1846” [manu Tineo] (PAL 8421; probable isolectotype: PAL 8420).

Filago lagopus* var. *fulvescens Lojac., Fl. Sicul. 2(1): 111. 1903 [= ***Filago arvensis*** L.] – Protologue data: “M. Salvatore Ross! in Herb. Pan!” [Madonie]. – Lectotype (designated here): “*Filago lagopus* Parl., M. Salvatore, VI. 88, Ross” [manu Ross] (PAL 8532; isolectotype: PAL 8537).

Evax exigua var. *longibracteata* Lojac., Fl. Sicul. 2(1): 114. 1903. – Protologue data: “in Sicilia ... in herb. Tod. sine locu speciali (v. s.)” – No original material traced.

Note: The label of the presumable holotype is present at PAL: “*Evax exigua* Sibth. var. *longibracteata* Lojac. Sicilia MLP” [manu Lojacono] (PAL 8385). However, there is no specimen associated with it.

Evax heldreichii var. *bicolor* Lojac., Fl. Sicul. 2(1): 115. 1903. – Protologue data: “Lojac. in Herb. Pan.!” – No original material traced.

INULEAE

Bupthalmum spinosum var. *gracile* Lojac., Fl. Sicul. 2(1): 95. 1903 [= *Pallenis spinosa* (L.) Cass.] – Protologue data: “Madonie Herb. Tod.!” – Holotype: (1) “*Bupthalmum spinosum* Madonie Giugno 1839” [manu Todaro] (2) “var. *gracilis* MLP” [manu Lojacono] (PAL 8821).

Bupthalmum spinosum var. *latifolium* Lojac., Fl. Sicul. 2(1): 95. 1903 [= *Pallenis spinosa* (L.) Cass.] – Protologue data: “Busambra Loj!” – No original material traced.

Inula montana var. *incanescens* Lojac., Fl. Sicul. 2(1): 97. 1903 [= *Inula montana* L.]. – Protologue data: “Herb. Pan.” – No original material traced.

SENECIONEAE

Cineraria ambigua var. *glabrata* Lojac., Fl. Sicul. 2(1): 70. 1903 [= *Jacobaea ambigua* (Biv.) Pelsler & Veldkamp] – Protologue data: “sine locu in Herb. Pan.”. – No original material traced.

Senecio coronopifolius var. *minutus* Lojac., Fl. Sicul. 2(1): 63. 1903 [= *Senecio glaucus* subsp. *coronopifolius* (Maire) C. Alexander] – Protologue data: “S. gallicus b. laxiflorus Tin. in sched. / sepolcreti della Madonna del Piano Tin! Aprile 1829”. – No original material traced.

Senecio leucanthemifolius var. *cosyrensis* Lojac., Fl. Sicul. 2(1): 65. 1903 [= *Senecio leucanthemifolius* subsp. *mauritanicus* (Pomel) Greuter] – Protologue data: “Pantelleria”. – No original material traced.

Senecio lividovulgaris Lojac., Fl. Sicul. 2(1): 68. 1903 [= *Senecio lividus* L.] – Protologue data: “in Herb. Pan.! et Herb. priv. Tod.! sine nomine / Val Demone Cit. et Riccob. [...] Castelbuono [...] chiarchiaro di Stefano”. Apr.- Maggio. – Lectotype (designated here): [folder label: “*S. vernalis* W. et Kit var. lig. minimis DC. Prodr. V Demone Cit. et Riccob. Ex herb Baratte MLP” (manu Lojacono)]; “*Senecio* V Demone Giugno 1849 *Citarda e Riccobon.*” (PAL 9749; probable isoelectotypes (lacking labels): PAL 9750, 9751).

Senecio nebrodensis f. *carnosus* Lojac., Fl. Sicul. 2(1): 60. 1903 [= *Senecio squalidus* subsp. *rupestrus* (Waldst. & Kit.) Greuter]. – Protologue data: “al Passo di Schisò presso Borgetto [...] Herb. Pan.! Termini a S. Calogero”. – No original material traced.

Senecio nebrodensis f. *collinus* Lojac., Fl. Sicul. 2(1): 60. 1903 [= *Senecio squalidus* subsp. *rupestrus* (Waldst. & Kit.) Greuter]. – Protologue data: “a monte Cuccio Loj!, Renda Loj!, S. Martino! Loj!”. – No original material traced.

Senecio nebrodensis f. *grandiflorus* Lojac., Fl. Sicul. 2(1): 60. 1903 [= *Senecio squalidus* subsp. *rupestrus* (Waldst. & Kit.) Greuter]. – Protologue data: “val Demone; alquanto simile anco a S. Martino e la forma del tutto glabra all’Isola di Maretimo Herb. Pan.!” – No original material traced.

- Senecio nebrodensis* f. *maritimus* Lojac., Fl. Sicul. 2(1): 60. 1903 [= *Senecio squalidus* subsp. *rupestris* (Waldst. & Kit.) Greuter]. – Protologue data: “a M. Pellegrino Ciaculli, Gallo, Favorita Loj.! Catalfano, Pantelleria sui tetti Herb. Pan.!” – Lectotype (designated here): “Aprile 1855 *Senecio* Catalfano” [manu Todaro] “*nebrodensis* var. *parvulus* Loj.” [manu Lojacono] (PAL 9671).
- Senecio nebrodensis* f. *montanus* Lojac., Fl. Sicul. 2(1): 60. 1903 [= *Senecio squalidus* subsp. *rupestris* (Waldst. & Kit.) Greuter]. – Protologue data: “Nebrodi al Pizzo della Antenna Minà!, M. Salvatore. Serre di Quacedda Loj! Rocca di Mele, Pizzo Case Loj!”. – No original material traced.
- Senecio sonchoides* Lojac., Fl. Sicul. 2(1): 66. 1903 [= *Senecio lividus* L.] – Protologue data: “*S. lividus* siculus Loj. olim / Ic. Nostra tab. IX / macchie di Calatubo tra Balestrate e Castellammare del Golfo, scoperta da Reina”. – Lectotype (designated here): [folder label: “*S. lividus* Lin. var. *siculus*? MLP, Balestrate Reina non *S. foeniculaceus*!” (manu Lojacono)]; [sheet lacking label] (PAL 9649; isolectotypes: PAL 9650, 9651).
Note: Recollected by Lojacono in the locus classicus in May 1905 (PAL 9714).
- Senecio vernus* var. *chamedryoides* [*chamaedrioides*] Lojac., Fl. Sicul. 2(1): 64. 1903 [= *Senecio leucanthemifolius* Poir.] – Protologue data: “in Herb. Pan. sine locu speciali / forse dalla Sicilia Meridionale Herb. Pan.!” – No original material traced.

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References

- Aghababyan, M., Greuter, W., Mazzola, P. & Raimondo, F. M. 2007: Typification of Sicilian *Helichrysum* (*Compositae*) revisited. – *Taxon* **56**: 1285-1288.
- Burdet, H. M. 1976: Cartulae ad botanicorum graphicem. IX. – *Candollea* **31**: 319-360.
- Colombo, P. & Marcenò, C. 1984: Etude cytotoxonomique de “*Centaurea macroacantha*” Guss. et son affinité avec “*Centaurea calcitrapa*” L. – *Webbia* **38**: 665-669.
- De Gregorio, A. 1923: Necrologie – Michele Lojacono. – *Naturalista Sicil.* **24**: 31-32.
- Dia, M. G. 1987: L’opera di Michele Lojacono Pojero per la illustrazione della Flora Sicula. – Pp. 495-503 in: Liotta, G. (ed.), *I naturalisti e la cultura scientifica siciliana nell’800*. Atti. – Palermo.
- Giardina, G., Raimondo, F. M. & Spadaro, V. 2007: A catalogue of plants growing in Sicily. – *Bocconea* **20**.
- Greuter, W. 2008: *Compositae* [in Euro+Med Plantbase]. – <http://ww2.bgbm.org/EuroPlusMed/query.asp>.
- Lojacono Pojero, M. 1878: Le isole Eolie e la loro vegetazione con enumerazione delle piante spontanee vascolari. – *Giorn. Atti Soc. Acclim. Agric. Sicilia* **17**: 177-328.
- 1883: Le specie del genere *Helichrysum* in Sicilia. – *Naturalista Sicil.* **2**: 153-157, 177-182.
- 1884: Studii su piante critiche rare o nuove della flora di Sicilia [continued]. – *Naturalista Sicil.*, **3**: 266-269, 282-284.
- 1885: Una escursione botanica in Lampedusa [continued]. – *Naturalista Sicil.* **4**: 105-109.

- 1903: *Flora Sicula*, **2(1)** *Compositae*. – Palermo.
- 1913-1915: Di nuovo sulle querce di Sicilia dopo la comparsa dello studio del Prof. A. Borzi “Le Querce della Flora Italiana”. – *Malpighia* **26**: 519-526; **27**: 77-100.
- 1916: Fruttificazione della *Crescentia macrophylla* Seem. – *Boll. Soc. Mutuo Soccorso Palermo*. **16**: 65-68.
- 1917: Della scoperta di due nuove specie di *Euphorbia*. – *Malpighia* **28(1-2)**: 97-105.
- Stafleu, F. A. & Cowan, R. S. 1981: *Taxonomic literature*, ed. 2, **3**. – *Regnum Veg.* 105.
- Troia, A. & Raimondo, F. M. 2007: Note biografiche e bibliografiche su Michele Lojaccono-Pojero. – *Sicilia Foreste* **34**: 394.

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