



Study of a pre-Linnaean Herbarium Attributed to Francesco Cupani (1657–1710)

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Study of a pre-Linnaean herbarium attributed to Francesco Cupani (1657-1710)

Santa Pulvirenti, Maria Martina Indriolo, Pietro Pavone & Rosanna Maria Stefania Costa

Abstract

PULVIRENTI S., M. M. INDRIOLO, P. PAVONE & R. M. S. COSTA (2015). Study of a pre-Linnaean Herbarium attributed to Francesco Cupani (1657-1710). *Candollea* 70: 67-99. In English, English abstract. DOI: <http://dx.doi.org/10.15553/c2015v701a8>

The aim of this work is the study of one of the two pre-Linnaean herbaria belonging to the University of Catania, attributed to Francesco Cupani, a 17th century Sicilian botanist, specifically the volume with the inventory number “VII f2 Hortus Botanicus Catinensis”. The two collections were previously unknown and found in 1992 as a result of reorganising the Herbarium of Catania University. The volume examined comprises 164 pages with 1-12 specimens on each sheet. Most likely, some samples come from the Misilmeri Garden of the Prince of Cattolica, to which Cupani dedicated great commitment in its creation, while others may have been acquired from exchanges with contemporary scientists; this is testified by the presence of non-Sicilian or extra-European species and by the extensive correspondence between the Sicilian friar and many contemporary botanists. The material in the herbarium comprises phanerogams (610 angiosperms and 5 gymnosperms), along with a small number of cryptogams (14 pteridophytes, 9 algae and 1 lichen), and 4 marine animals are also present. Unfortunately, some samples are partially or entirely damaged or even missing; nonetheless it has been possible to identify most of them. The Cupani’s herbarium is compared with some pre-Linnaean herbaria in order to highlight their main similarities and differences.

Keywords

Cupani – Exsiccata – Herbarium – Pre-Linnaean – Taxonomy

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Introduction

The 17th century Sicilian botanist Francesco Cupani was born in 1657 in Mirto, a small village in the Messina province. He studied theology and then joined the Franciscan order. After a period of teaching in Verona he returned to Sicily and dedicated himself to the study of botany. His interest in plants was influenced by the friendship with Paolo Boccone, naturalist and botanist of good fame in Europe (MONGITORE, 1707; Russo, 1819). Cupani was the author of important floristic works (CUPANI, 1692, 1695, 1696, 1697) and of the unfinished “Panphyton siculum”. Thanks to the patronage of the first Prince of Cattolica, he contributed with great commitment to the creation of a Botanic Garden at Misilmeri (hamlet eight miles from Palermo), known as “Hortus Catholicus” and destined to collect plants for medicinal uses of public interest. With the support of some druggists, as Pietro Citraro and Francesco Scaglione, and with the financial help of the Prince of Cattolica, Cupani contributed to enrich the Garden of Misilmeri with many species coming not only from Sicily but also from others territories (CUPANI, 1696).

Cupani lived in a small Sicilian village (Misilmeri) and he did not belong to any academic circle. Nevertheless, mostly thanks to the Prince of Cattolica, he kept contacts with the most important scientists of his time: William Sherard (English botanist, 1659-1728), John Ray (English naturalist, 1627-1705), Caspar Commelin (Dutch botanist, 1668-1731), Joseph Pitton de Tournefort (French botanist, 1656-1708), Giovanni Battista Trionfetti (Italian botanist, 1656-1708), Johann Georg Volkamer (German naturalist, 1616-1693) and Johannes Böhm (German physician, 1640- ca. 1731). Remarkably thanks to the extensive correspondence with Sherard, he participated in the debate on the method of naming plants (ARBER, 1912). Cupani and his contemporaries did not succeed in devising a “taxonomic system”, although some of them have made significant attempts (GREUTER et al., 2005). The pre-Linnaean botanists certainly contributed to lay the foundations of “modern scientific knowledge”, as Linnaeus himself acknowledged in classifying them as among the “Curious” (LINNAEUS, 1736). Linnaeus used the category of the “Curious” to label a group of authors as important precursors of modern botany. The category has recently been reused by DASTON (2012) to define the non-academic culture of the 1600’s that played an important role in circulating the “new method” (PULVIRENTI et al., 2015, in press). Cupani died in Palermo in 1710.

Cupani and the exchange of information

Thanks to the exchange of illustrated publications, seeds and in particular dried specimens, Cupani developed a real “scientific network” that enabled botanical material to circulate for examination and comparison. The novelty of these scientific exchanges practised by him and other contemporary botanists can be summarised precisely in the extraordinary ability to

build a “scientific network” by making use of all the tools the times allowed (PULVIRENTI et al., 2015, in press).

The conditions favouring the circulation of information were the development of maritime communications in the Mediterranean, the decrease of risk of piracy, the presence of a widespread consular network and the possibility of travelling through Europe and beyond. Alongside exchanging boxes of seeds and publications (replete with drawings and descriptions), the exchange of Horti Sicci represented one of the main tools for developing discussions among the scientists of the period and standardizing classifications. Printing a volume of iconography, was a weighty commitment and the dramatic history of the “Panphyton siculum” (never published, though nearly all the images were engraved) points out this aspect. It should be highlighted that even Linnaeus, praising those he called the “Curious”, makes explicit reference to the merit of many scientists who popularized, at their own expense, the knowledge and comparison of plants (LINNAEUS, 1736). It was much simpler (and also more useful) to circulate collections of exsiccata, which were easier to compare, study and classify, than iconographic documents.

The use of herbaria in scientific communication

The herbaria gathered by Cupani were made with samples collected from the Misilmeri Garden or surrounding areas; it was apparently a thorough task and certainly could not be carried out by only one person. From Cupani’s letters, an intensive system of exchanges (in particular) of herbaria with the main European scientists emerges with clarity; moreover, there were collaborators working under his supervision, as might be interpreted from the letter sent by Sherard, dated 18 October 1696, in which he asked the Sicilian friar to prepare an herbarium (DOLLO, 1979).

The production of herbaria continued long beyond Cupani, as is demonstrated in the correspondence between the Prince of Cattolica (the patron of the Misilmeri Garden) and the scientists of the court of Cosimo III de’ Medici, twenty years or so after the death of the Franciscan friar (TARGIONI-TOZZETTI, 1858; BARONI, 1896; MATTEI, 1906). However, the observations of MATTEI (1906) may be a useful indication for questioning the direct attribution of all the “Herbaria of the Prince of Cattolica” to Cupani. It is perhaps more realistic to imagine a kind of “laboratory” settled and directed, at least during an early stage, by Cupani and afterwards continued and managed by his “collaborators”. It cannot be ruled out that herbaria that might be attributed to what must have been the “laboratory” of the Misilmeri Garden are present in the collections of the most important museums. From time to time, often accidentally, as in our case, some previously unknown collections were discovered (BRULLO & PAVONE, 1993; MAZZOLA & RAIMONDO, 1995). Cupani indicated brief descriptions of the plants that he had studied. However, those descriptions

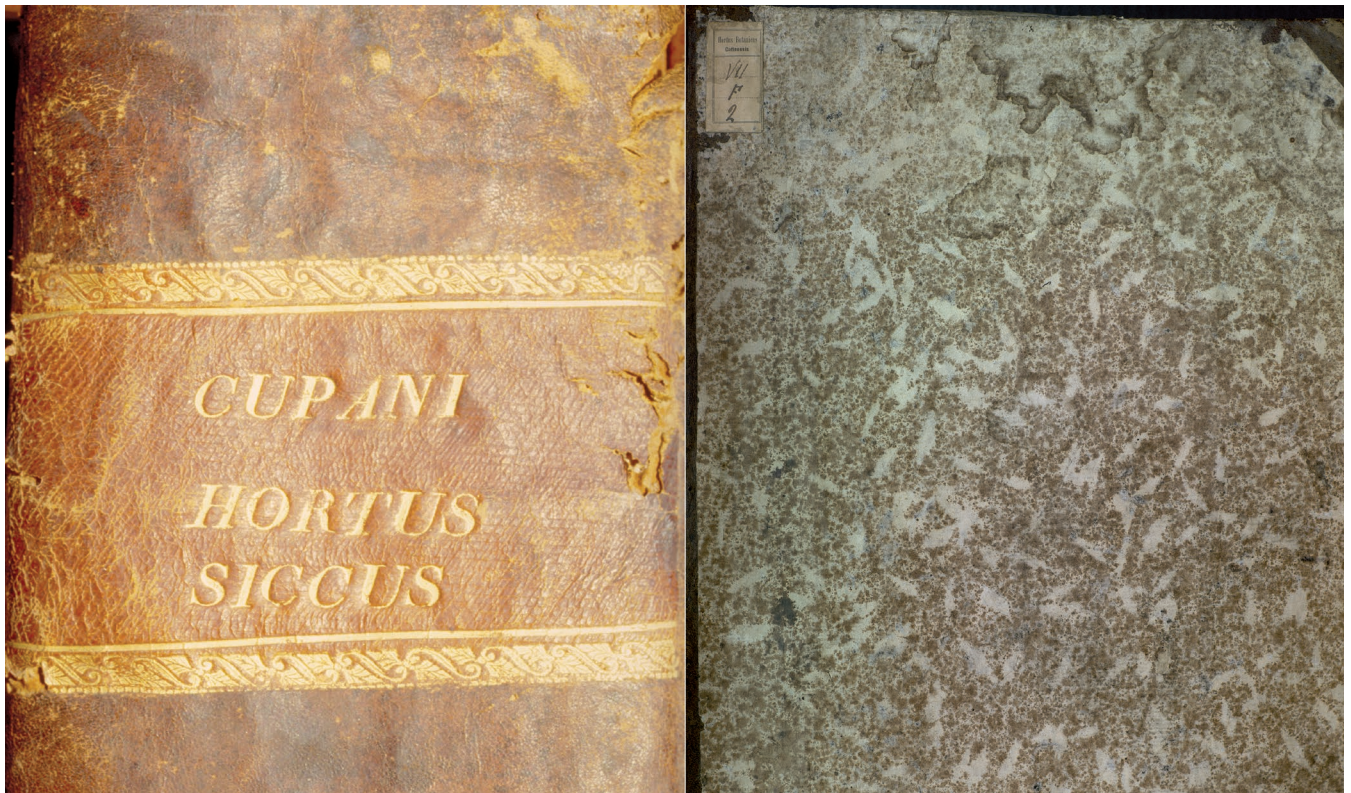


Fig. 1.—Spine and inventory label of the Cupani Herbarium.

cannot be equated with Linnaean binomials (genus, species). Cupani called his descriptions “polilogus”, i.e. sentences of a few words (CUPANI, 1692, 1695, 1696, 1697). His technique matched a simple requirement of synthesis. Instead, the Linnaean binomial represents a classification system allowing the identification of a genus and a species in a frame of reference (PULVIRENTI et al., 2015, in press).

Cupani’s herbaria of Catania University

On the basis of these considerations it is therefore possible to frame the function of the two herbaria belonging to the Department of Biological, Geological and Environmental Sciences, found by chance in 1992 (BRULLO & PAVONE, 1993). These collections are presented as two volumes of exsiccata attributed to Francesco Cupani, of different size and structure, without any information on when they were made. The hypothesis of attributing these herbaria to Cupani derives both from the explicit reference in the title-page as well as the reconstruction of the several transfers of ownership. In the literature, the citations regarding these “Horti Sicci” are rather scant. SCINÀ (1824), albeit speaking more generally of Cupani, simply states that Giovanbattista Caruso “took the trouble to collect all Cupani’s papers and kept only the herbarium for himself; for this reason it is nowadays stored in Catania along with Caruso’s books” (SCINÀ, 1824; citation translated).

More information was supplied by Salvatore Portal who was a physician-botanist and the holder of a well-known botanical garden on the outskirts of Biancavilla. In his paper of 1836 he mentioned two volumes of exsiccata made by Cupani and claimed that he inherited one of them from his father, who had in turn acquired it in Palermo from the chemist Don Giuseppe Chiarelli (PORTAL, 1836). This volume was entire and in good condition, with the exception of the “title-page and some blank pages at the end”. Portal also pointed out that the other volume, with the title-page “Hortus Catholicus species plantarum autografo Fran. Cupani”, may be found in the library of the Catania University and was not complete as it only contained 190 pages. Portal compared the two volumes and noted that the plants found in his herbarium and those of the Catania University were different in terms of the number of species and arrangement; moreover, the two volumes differed in format and kind of paper used. He also stated that in his volume the plants came from the Garden of the Prince of Cattolica as well as from other localities, whereas the volume stored at the University contained plants exclusively from the Misilmeri Garden. The two volumes found in 1992 and currently kept in the herbarium of the Department of Biological, Geological and Environmental Sciences (CAT), match well Portal’s description. The first volume appears to have been entrusted

PLANTÆ SICCÆ
QUÆ OMNES IN HORTO CATHOLICO
crescunt
ET MULTÆ ALIÆ QUÆ SICILIÆ
nāscuntur terris plerisque locis
AUCTORE FRANCISCO CUPANI
SAC. THEOL. MAGISTRO SICULO
A MYRTHENSI

PANORMO

Fig. 2. – Title page of the Cupani Herbarium.

in 1912 to the Director of the Botanical Institute, Luigi Buscalioni (1863-1954), by the Royal University Library of Catania. The second volume, subject of the present study, is larger than the former and is in a fair state of preservation; it comprises 164 pages, largely containing exsiccata of phanerogams along with some specimens of algae, lichens, pteridophytes and a few marine animals. On the first page of this volume there is a handwritten note by Prof. Emilio Chioyenda (1871-1941), the Director of the Institute of Botany from 1926 to 1929, which helps us in tracing its history. It reads: “This herbarium of C. F. Cupani comes from the library of Doctor Salvatore Portal, minister of Biancavilla; I purchased it on 9. 3. 1927 from the Tirelli bookshop in Catania” (translated). It is unknown how the herbarium passed from the hands of Salvatore Portal to the Tirelli bookseller, which sold it afterwards to Prof. Chioyenda.

The aim of this work is to study one of the two aforementioned pre-Linnaean herbaria attributed to F. Cupani, specifically the volume with the inventory number “VII f2 Hortus Botanicus Catanensis” (Fig. 1-3). This volume was digitized in 2005 under the supervision of Prof. Pietro Pavone in the frame of the initiative “Coordinated Project Catania-Lecce 2000-2006, step 8, Botanic Garden and Herbarium”; this initiative was intended to enhance the cultural heritage of Sicily. Pictures of all samples include in this herbarium are available online at <http://www.dipbot.unict.it/herbario/cupani/index.html>.

Material and methods

A list of all specimens associated to Cupani’s historical herbarium was prepared (Table 1), including for each sample the following information:

- a) number of the herbarium sheet under which the sample is currently placed;
- b) Literal transcription of original name proposed in the herbarium (polilogus/polynomial) and local dialect when present. The absence of the name is indicated by “/”, any illegible writing by “?” and the fact that the name noted was transcribed from the index at the end of the volume of exsiccata by “index”;
- c) Current taxonomic identification. Regarding angiosperms, gymnosperms and pteridophytes we have followed treatments such as EURO+MED (2006) and partially GIARDINA et al. (2007) and PIGNATTI (1982). Thus the absence of a scientific name is indicated by “/”, when we were unable to identify the taxon;
- d) state of preservation of the specimen according to three categories: bad (if there are only plant fragments), poor (if the sample is damaged) and good (if the sample displays all its parts). A missing sample is also indicated in the event that only remaining marks or the strip of paper by which it was attached to the sheet were observed.

A list of alphabetically arranged taxa is presented (Appendix 1); this list includes plants of the studied herbarium. Using on-line data (see below) the Cupani’s herbarium is compared with some pre-Linnaean herbaria in order to highlight their main similarities and differences.

Results

The volume of exsiccata studied comprises 164 sheets (numbered to 163 but number 57 was erroneously assigned to two different sheets), numbered at the top right corner of each sheet. At the end of the volume there is an index listing nearly all the plants contained in this herbarium arranged by first letter alphabetical order (Fig. 4). Next to, or below, every sample there are original Latin handwritten notes and, sometimes vernacular names. Next to each sample, most probably corresponding to a later addition, a red and blue number written in pencil was made by an unknown hand. In addition, from sheet 108 to 118, another unidentified writer added the correct name of the species in pencil. On every sheet there are between 1 to 12 specimens, depending on the dimensions of the sample (Fig. 5, 6). The samples are arranged on one side of every sheet and fixed with irregularly cut strips of paper and glue. We were not able to detect whether this corresponds to the original mounting proposed for the herbarium or whether it was proposed during a later organisation. The doubt remains because in some cases the imprint of the plant can be seen in a different position; besides it is not known if the system of fixing the specimens with strips was original or alternative to the method using the glue. Either way, it is sure that the plant specimens associated to the herbarium sent to Micheli by the Prince of Cattolica in 1733 were simply glued (BARONI, 1896).

Regarding the nomenclature associated to the specimens, some taxa belonging to the same species have different names (i.e. *Anthyllis vulneraria* L. or *Ononis natrix* L.), while others are classified under the same name (i.e. *Stachys ocymastrum* (L.) Briq. or *Ranunculus flammula* L.). Several reasons suggest that the herbarium was probably re-bound in fairly recent times. In the first place, the binding is entirely different from the one observed in the other volume, the latter believed to still present the original type of binding. Secondly, leafing through the volume one may see that the sheets have been cut at the top and bottom, and perhaps also at the edges; in some cases parts of the samples and/or the numbering are missing. Thirdly, on the back of the volume the sentence “Cupani Hortus Siccus” is written in gold and with characters almost certainly not corresponding to the end of the 17th century.

The page preceding the title-page shows a handwritten note attributed to Chioyenda regarding the transfer of ownership of the volume. The title on this page reads: “plantae siccae - quae omnes in Horto Catholico - crescunt - et multae aliae quae Siciliae - nascuntur terris plerisque locis - auctore Francisco Cupani - sac. theol. magistro siculo - a Myrthensi



Fig. 3. – Sheet number 6 of the Cupani Herbarium.

<i>Alcazaria</i>	f. 6.	B
<i>Alcazaria Marina</i>	f. 7.	C
<i>Alcazaria</i>	f. 8.	D
<i>Alcazaria Martiana</i>	f. 9.	E
<i>Alcazaria Sen. Bellaria</i>	f. 10.	F
<i>Alcazaria</i>	f. 10.	G
<i>Alcazaria Lycopodium 3^m pte.</i>	f. 11.	H
<i>Alcazaria</i>	f. 12.	I
<i>Alcazaria</i>	f. 13.	J
<i>Alcazaria</i>	f. 14.	K
<i>Alcazaria</i>	f. 15.	L
<i>Alcazaria</i>	f. 16.	M
<i>Alcazaria</i>	f. 17.	N
<i>Alcazaria</i>	f. 18.	O
<i>Alcazaria</i>	f. 19.	P
<i>Alcazaria</i>	f. 20.	Q
<i>Alcazaria</i>	f. 21.	R
<i>Alcazaria</i>	f. 22.	S
<i>Alcazaria</i>	f. 23.	T
<i>Alcazaria</i>	f. 24.	U
<i>Alcazaria</i>	f. 25.	V
<i>Alcazaria</i>	f. 26.	W
<i>Alcazaria</i>	f. 27.	X
<i>Alcazaria</i>	f. 28.	Y
<i>Alcazaria</i>	f. 29.	Z
<i>Alcazaria</i>	f. 30.	
<i>Alcazaria</i>	f. 31.	
<i>Alcazaria</i>	f. 32.	
<i>Alcazaria</i>	f. 33.	
<i>Alcazaria</i>	f. 34.	
<i>Alcazaria</i>	f. 35.	
<i>Alcazaria</i>	f. 36.	
<i>Alcazaria</i>	f. 37.	
<i>Alcazaria</i>	f. 38.	
<i>Alcazaria</i>	f. 39.	
<i>Alcazaria</i>	f. 40.	
<i>Alcazaria</i>	f. 41.	
<i>Alcazaria</i>	f. 42.	
<i>Alcazaria</i>	f. 43.	
<i>Alcazaria</i>	f. 44.	
<i>Alcazaria</i>	f. 45.	
<i>Alcazaria</i>	f. 46.	
<i>Alcazaria</i>	f. 47.	
<i>Alcazaria</i>	f. 48.	
<i>Alcazaria</i>	f. 49.	
<i>Alcazaria</i>	f. 50.	
<i>Alcazaria</i>	f. 51.	
<i>Alcazaria</i>	f. 52.	
<i>Alcazaria</i>	f. 53.	
<i>Alcazaria</i>	f. 54.	
<i>Alcazaria</i>	f. 55.	
<i>Alcazaria</i>	f. 56.	
<i>Alcazaria</i>	f. 57.	
<i>Alcazaria</i>	f. 58.	
<i>Alcazaria</i>	f. 59.	
<i>Alcazaria</i>	f. 60.	
<i>Alcazaria</i>	f. 61.	
<i>Alcazaria</i>	f. 62.	
<i>Alcazaria</i>	f. 63.	
<i>Alcazaria</i>	f. 64.	
<i>Alcazaria</i>	f. 65.	
<i>Alcazaria</i>	f. 66.	
<i>Alcazaria</i>	f. 67.	
<i>Alcazaria</i>	f. 68.	
<i>Alcazaria</i>	f. 69.	
<i>Alcazaria</i>	f. 70.	

Fig. 4. – First page of the index of the Cupani Herbarium.

- Panormo". However, according to PORTAL (1836), this note may not be original but added later. Between the title-page and the first sheet, there is a coloured tissue overlay that must have been used to protect the dried plants that are highly fragile. Presumably, this protection is not original either. The herbarium is made up of 669 samples. The specimens are distributed as follow: 610 (91.18%) are angiosperms, 14 (2.09%) are pteridophytes, 9 (1.35%) are algae, 5 (0.75%) are gymnosperms, 4 (0.6%) are animals, 1 (0.15%) is a lichen and 26 (3.89%) are missing. Most samples (407, equal to 60.84%) are in a good state of conservation, 181 (27.06%) in a poor state and 55 (8.22%) in bad condition (Fig. 7).

Comparisons with other pre-Linnaean herbaria

Between the late 1600s and the mid-1700s there were numerous "pre-Linnaean" herbaria in Europe, among which should be highlighted: Sherard's herbarium, Bobart the Younger's herbarium, Sloane's herbarium, Clifford's herbarium, Hermann's herbarium, Helwing's herbaria, Münchenberg's herbarium, and the Salvador's herbarium (see description below). Most of these herbaria have been studied because they are historically interesting from the viewpoint of nomenclature and floristic biodiversity of the pre-Linnaean period (IBÁÑEZ et al., 2008; MENEZES DE SEQUEIRA et al., 2010; SANTOS-GUERRA et al., 2011; ANDEL et al., 2012; SPALIK, 2014). It is difficult to propose thorough comparisons between the herbarium subject of our study to other pre-Linnaean herbaria, especially since most them have been widely restored and/or increased in later periods. The greatest value of Cupani's herbarium is the fact that it has undergone very few rearrangements. Indeed, with the exception of the binding and notes written in pencil, it appears to us being in its original form. Despite these difficulties, here below we highlight some similarities and differences identified between Cupani's herbarium and other contemporary pre-Linnaean herbaria:

1. Cupani's herbarium

Repository: Catania University.

Period of collection: late 1600.

Rearrangements: few (later binding and notes written in pencil).

Bookbinding: single volume.

Total number of specimens: 669.

Specimens on each sheet: 1-12.

Mounting method: strips of paper and glue.

Nomenclature: Latin polynomial (few words) and sometimes vernacular names.

On-line access: <http://www.dipbot.unict.it/erbario/cupani/index.html>.



Fig. 5. – Sheet number 39 of the Cupani Herbarium containing one specimen of *Rosa* L. (Rosaceae).



Fig. 6. – Sheet number 17 of the Cupani Herbarium.



Fig. 7. – Sheet number 1 of the Cupani Herbarium.

2. *Sherard's herbarium*

Repository: Oxford University Herbaria.

Period of collection: from ca. 1680.

Rearrangements: augmented until 1796, rearranged by Dillenius from 1721, by G. C. Druce in the late nineteenth century and, by other botanists during the twentieth century.

Bookbinding: individual sheets.

Total number of specimens: about 20,000.

Specimens on each sheet: usually one.

Mounting method: unknown original arrangement.

Nomenclature: Latin polynomial (few words).

On-line access: <http://herbaria.plants.ox.ac.uk/bol/Sherard/Pages/DBnotes>.

3. *Bobart the Youger's herbarium*

Repository: Oxford University Herbaria.

Period of collection: from ca. 1666.

Rearrangements: rearranged probably by G. C. Druce.

Bookbinding: originally bounded, but now stored as separate sheets in Solander boxes.

Total number of specimens: 2202.

Specimens on each sheet: usually one.

Mounting method: glued plants.

Nomenclature: Latin polynomial (several words) and sometimes English common names.

On-line access: <http://herbaria.plants.ox.ac.uk/bol/bobart>.

4. *Sloane's herbarium*

Repository: Natural History Museum (London).

Period of collection: ca. 1687-1689.

Rearrangements: most likely rearranged.

Bookbinding: seven volumes.

Total number of specimens: 1275.

Specimens on each sheet: usually one.

Mounting method: strips of paper and glue.

Nomenclature: Latin polynomial (many words).

On-line access: <http://www.nhm.ac.uk/research-curation/scientific-resources/collections/botanical-collections/sloane-herbarium/>.

5. *Clifford's herbarium*

Repository: Natural History Museum (London).

Period of collection: 1720s.

Rearrangements: most likely original.

Bookbinding: single unconnected sheets.

Total number of specimens: 3447.

Specimens on each sheet: usually one (many specimens mounted such that they appear to be growing out of an engraved paper urn).

Mounting method: strips of paper and glue.

Nomenclature: Latin polynomial (few words), sometimes inscribed on ornate engraved label.

On-line access: <http://www.nhm.ac.uk/research-curation/scientific-resources/collections/botanical-collections/clifford-herbarium/index.html>.

6. *Hermann's herbarium*

Repository: Natural History Museum (London).

Period of collection: ca. 1672-1677.

Rearrangements: most likely original.

Bookbinding: four volumes of dried plants and one of illustrations.

Total number of specimens: 1215.

Specimens on each sheet: frequently several.

Mounting method: strips of paper and glue.

Nomenclature: Latin polynomial (many words) and often Sinhalese names.

On-line access: <http://www.nhm.ac.uk/research-curation/scientific-resources/collections/botanical-collections/hermann-herbarium/index.html>.

7. *Helwing's herbarium*

Repository: Polish National Library and University of Warsaw.

Period of collection: ca. 1695-1705.

Rearrangements: most likely original.

Bookbinding: two volumes.

Total number of specimens: about 1400.

Specimens on each sheet: usually few.

Mounting method: glued plants.

Nomenclature: Latin polynomial (few words) and sometimes Polish and German common names.

On-line access: <http://polona.pl/item/7971108/0/>;
<http://blog.polona.pl/2014/10/zielnik-helwinga-i/>.

8. *Münchenberg's herbarium*

Repository: Swedish Museum of Natural History (Stockholm).

Period of collection: ca. 1699-1702.

Rearrangements: most likely original.

Bookbinding: one small volume.

Total number of specimens: about 300.

Specimens on each sheet: usually many.

Mounting method: fixed by a double hole.

Nomenclature: Latin polynomial (many words) and Swedish and German common names.

On-line access: <http://www.nrm.se/forskingochsamlingar/botanik/fbokbo/botaniskhistoria/antoniusmunchenbergsherb.528.html>.

9. *Salvador's herbarium*

Repository: University of Barcelona.

Period of collection: ca. 1700-1745.

Rearrangements: rearranged by Pourret in 1782.

Bookbinding: unknown.

Total number of specimens: 4026 sheets.

Specimens on each sheet: usually few.

Mounting method: sewn using needle and thread.

Nomenclature: Latin polynomial (many words).

On-line access: http://www.ibb.bcn-csic.es/herb_historics_ang.html#Salvador.

Conclusions

In the light of these results, it may be affirmed that specimens associated to the Cupani's herbarium are well preserved, despite the damage over time and the several transfers of ownership. Regarding the taxonomic composition of the herbarium there is an evident prevalence of angiosperms (more than 400 taxa), which are very well-represented according to their species number. In addition to many specimens of Sicilian origin, a certain number are from other geographic regions and some are also exotic (to the Italian flora), probably deriving from exchanged seeds.

The volume of exsiccata studied is of special interest for several reasons. In the first place it is a precious historical document, since it provides a detailed picture of the floristic biodiversity of the period. In the second, regarding the names attributed to the samples, it represents an example of pre-Linnaean attempts to simplify and standardise botanical nomenclature. Moreover the study of this herbarium certainly contributes to our knowledge of pre-Linnaean herbaria as regards the preservation techniques, classification and exchange of plants, which contributed to the origins and development of modern botany.

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References

- ANDEL VAN, T., S. VELDMAN, P. MAAS, G. THIJSSSE & M. EURLINGS (2012). The forgotten Hermann Herbarium: a 17th century collection of useful plants from Suriname. *Taxon* 61: 1296-1304.
- ARBER, A. (1912). *Herbals, their origin and evolution, a chapter in the history of botany, 1470-1670*. The University Press.
- BARONI, E. (1896). Illustrazione di un Orto Secco del Principe della Cattolica, da questi donato a Pier Antonio Micheli nell'anno 1733. *Nuovo Giorn. Bot. Ital.* 3: 439-468.
- BRULLO, S. & P. PAVONE (1993). On Francesco Cupani's Hortus Siccus and its scientific significance. *Webbia* 48: 539.
- CUPANI, F. (1692). *Catalogus plantarum Sicularum noviter adinventarum*. Palermo.
- CUPANI, F. (1695). *Syllabus Plantarum Siciliae, nuper detectarum*. Palermo.
- CUPANI, F. (1696). *Hortus Catholicus, cum supplemento ad eundem Hortum*. Napoli.
- CUPANI, F. (1697). *Supplementum alterum ad Hortum Catholicum*. Palermo.
- DASTON, L. (2012). Curiosità e studio della natura. In: PETRUCCIOLI, S. et al. (ed.), *La rivoluzione scientifica. Luoghi e forme della conoscenza*: 3654-4138. (Collana di Storia della Scienza), Treccani, [Kindle Edition].
- DOLLO, C. (1979). *Filosofia e scienze in Sicilia*. Cedam, Padova.
- EURO+MED (2014). Euro+Med PlantBase - the information resource for Euro-Mediterranean plant diversity [http://ww2.bgbm.org/EuroPlusMed/].
- GIARDINA, G., F. M. RAIMONDO & V. SPADARO (2007). A catalogue of plants growing in Sicily. *Bocconea* 20.
- GREUTER, W., M. AGHABABIAN & G. WAGENITZ (2005). Vaillant on Compositae - systematic concepts and nomenclatural impact. *Taxon* 54: 149-174.
- IBÁÑEZ, N., J. M. MONTSERRAT & I. SORIANO (2008). Type specimens of names of species authored by Pourret conserved in the Salvador herbarium (BC). *Taxon* 57: 633-636.
- LINNAEUS, C. (1736). *Bibliotheca Botanica*. Amsterdam.
- MATTEI, G. E. (1906). Un altro Erbario dell'Orto Cattolico. *Boll. Regio Orto Bot. Palermo* 5: 22-45.
- MAZZOLA, P. & F. M. RAIMONDO (1995). The Cupani's "Hortus siccus Principis Catholicae" in the Istituto Agrario Castelnuovo Library. Palermo. *Giorn. Bot. Ital.* 129: 159.
- MENEZES DE SEQUEIRA, M., A. SANTOS-GUERRA, C. E. JARVIS, A. OBERLI, M. A. CARINE, M. MAUNDER & J. FRANCISCO-ORTEGA (2010). The Madeiran plants collected by Sir Hans Sloane in 1687, and his descriptions. *Taxon* 59: 598-612.
- MONGITORE, A. (1707). *Bibliotheca sicula sive de scriptoribus siculis*. Vol. I. Palermo.
- PIGNATTI, S. (1982). *Flora d'Italia*. Ed Agricole, Bologna.
- PORTAL, S. (1836). *Cenni sopra la virtù medica delle mandorle, della celidonia maggiore e del crescione acquatico*. Palermo.
- PULVIRENTI, S., R. M. S. COSTA & P. PAVONE (2015, in press). Francesco Cupani: the scientific "network" of his time and the making of the Linnaean "system". *Acta Bot. Gallica*: 162(2).
- RUSSO, G. (1819). *Biografia degli uomini illustri della Sicilia*. Vol. III. Napoli.
- SANTOS-GUERRA, A., C. E. JARVIS, M. A. CARINE, M. MAUNDER & J. FRANCISCO-ORTEGA (2011). Late 17th century herbarium collections from Canary Islands: the plants collected by James Cuninghame in La Palma. *Taxon* 60: 1734-1753.
- SCINÀ, D. (1824). *Prospetto della storia letteraria di Sicilia nel secolo decimottavo*. Vol. I. Palermo.
- SPALIK, K. (2014). Pre-Linnaean herbaria viva of Helwing in the collections of the National Library of Poland and the University of Warsaw. *Acta Soc. Bot. Poloniae* 83: 13-16.
- TARGIONI-TOZZETTI, G. (1858). *Notizie della vita e delle opere di Pier Antonio Micheli*. Le Monnier. Firenze.

Table 1. –List of the samples contained in the Cupani Herbarium.

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
1	/	/	bad
1	Altera corallina rubra G. B.	/	good
1	Corallina	/	good
1	Coggyria Teoph.	/	no sample
1	Orobus	<i>Lathyrus</i> sp.	poor
1	Terebintus mas vulgo scornabecco	<i>Pistacia terebinthus</i> L.	bad
1	Cineraria seu Jacobea marina ?Artemisia marina	<i>Senecio</i> sp.	bad
1	Sanamunda seu Erica Alessandrina Lob.	<i>Thymelaea passerina</i> (L.) Coss. & Germ.	good
2	Alectorolofos seu fistularia	/	poor
2	Tragopogon purpureum Col.	/	bad
2	Tragopogon Col.	/	bad
2	Moluccha aspera	/	no sample
2	Olea boemica	/	bad
2	?	/	no sample
2	Pseudodictamnus Dod.	<i>Ballota pseudodictamnus</i> (L.) Benth.	good
2	Campanula arvensis Dod. sive speculus veneris	<i>Falcata legousia</i> (Ten.) Janch.	good
2	Medica marina Lob.	<i>Medicago marina</i> L.	good
2	Tragoriganus	<i>Micromeria</i> sp.	poor
3	Marina ?	/	no sample
3	?	/	no sample
3	Barba jovis C.D.	<i>Anthyllis barba-jovis</i> L.	good
3	Sive Laudanum Matt. ?	<i>Cistus monspeliensis</i> L.	good
3	Alcea villosa Dalicampij Chab. Lug.	<i>Malva cretica</i> Cav.	poor
3	Helicrisus Syl: C.B.	<i>Phagnalon sordidum</i> (L.) Rchb.	good
3	Cardus erectus seu Acarna valerandi	<i>Picnomon acarna</i> (L.) Cass.	good
4	lacea centauroides	/	no sample
4	/	/	no sample
4	Cariophyllata Matt.	/	poor
4	Gramen Alopiuros	<i>Cynosurus echinatus</i> L.	good
4	Critmum quartus Matth.	<i>Falcaria vulgaris</i> Bernh.	poor
4	Oculus Xrhisti seu Aster ?	<i>Inula oculus-christi</i> L.	good
4	Natrix Plinii seu Ononis no spinosa lutea	<i>Ononis natrix</i> L. subsp. <i>natrix</i>	good
4	Senecio	<i>Senecio</i> sp.	good
4	Senecio minor vulgaris C.B.	<i>Senecio vulgaris</i> L.	poor
5	Aria sive Sorbus ?	/	no sample
5	Altera corallina rubra	/	no sample
5	Ranunculus Narcisi flore Clus	<i>Aconitum</i> sp.	good
5	Pseudodictamnus verticillatus inodorus ?dictamnus Dod.	<i>Ballota pseudodictamnus</i> (L.) Benth.	good
5	Gramen cyperoides	<i>Carex</i> cf. <i>vulpina</i> L.	good
5	Clinopodium pm Matt.	<i>Clinopodium vulgare</i> L.	good
5	Limonium parvulus ?	<i>Limonium</i> sp.	good
5	?Marinus ? Caspari Bahuini	<i>Achillea maritima</i> (L.) Ehrend. & Y. P. Guo	good

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
5	Peucedanum	<i>Peucedanum</i> sp.	bad
5	Elichriso ? C.B.	<i>Phagnolon saxatile</i> (L.) Cass.	good
5	Polygala ? Ch. sive Polygala ? Lob.	<i>Polygala preslii</i> Spreng.	poor
6	Atriplex marina Matt.	<i>Atriplex prostrata</i> DC.	poor
6	Sophera alpin	<i>Cassia sophera</i> L.	poor
6	Lilius convalius flos Matt.	<i>Convallaria majalis</i> L.	good
6	Napellus flore ceruleo	<i>Delphinium</i> sp.	poor
6	Elianthemus indicus G.B.	<i>Helianthus tuberosus</i> L.	bad
6	/	<i>Paliurus spina-christi</i> Mill.	poor
6	Ranunculus montanum	<i>Ranunculus</i> sp.	bad
6	Tanacetum inodorus	<i>Tanacetum corymbosum</i> (L.) Sch. Bip.	good
7	Alypus monticola thymaelea ? capitulo ?	/	bad
7	Ranunculus globosus	/	good
7	Myriophyllus Mira triphilla Palustre	/	bad
7	Napellus folyi laciniatis	/	no sample
7	?	/	no sample
7	Horminus Dod. sive Horminus sclarea ?C.B. v. matricala	<i>Horminum pyrenaicum</i> L.	bad
7	Amblateum sive orobanche Matt. aut Limodoron Dod. Caudoleionis, Herbatore	<i>Orobanche rapum-genistae</i> Thuill.	good
7	Minus capitulis seu ?echinodis Bocc.	<i>Paronychia echinatula</i> Chater	good
7	Trissago sive Camedris ?	<i>Teucrium chamaedrys</i> L.	good
8	Fenum ?	/	good
8	Ranunculus coriandriflore	/	bad
8	/	/	no sample
8	Alchimilla, Stellaria, pes leonis Ted: Sinnaum Franz. pié de leon	<i>Alchemilla</i> sp.	good
8	Erigerus Dod. sive amellus montanicolus	<i>Aster</i> cf. <i>amellus</i> L.	good
8	Clynopodium Dios. Pm Acinos Col.	<i>Clinopodium vulgare</i> L.	good
8	Rapistrum monospermo G.B.	<i>Crambe hispanica</i> L.	good
8	/	<i>Paliurus spina-christi</i> Mill.	bad
8	Ranunculus	<i>Ranunculus</i> sp.	good
8	Teucrium vulgare fruticans ?	<i>Teucrium flavum</i> L.	good
9	Clynopodium ?	/	good
9	Corallina	/	good
9	Dryopteris nigra dodonei perperas ?	<i>Asplenium adiantum-nigrum</i> L.	good
9	Cariophyllata montana Ch.	<i>Geum montanum</i> L.	good
9	Triticum vaccinum D:	<i>Melampyrum arvense</i> L.	good
9	Pistactium ? v. fasruchi	<i>Pistacia vera</i> L.	good
9	Scabiosa minor ?	<i>Scabiosa columbaria</i> L.	good
9	Talictum ?	<i>Thalictrum</i> sp.	good
9	Pigamus Dod: ut asservit Dodon : aliqui vocant Rhabarbarus spurius, Hist: Thalictus magnus	<i>Thalictrum</i> sp.	good
10	Aconitus lycoctenus 3° Matt.	<i>Aconitum</i> sp.	good
10	Ranunculus narcisi flore	<i>Aconitum</i> sp.	good
10	Flos eius de Anagiris altera	<i>Anagyris foetida</i> L.	poor

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
10	Vulvaria D.C.	<i>Chenopodium vulvaria</i> L.	good
10	Genzianella minima latifolia ?	<i>Gentiana clusii</i> E. P. Perrier & Songeon	good
10	Persica sive Hydropiper M. v. pipi d'acqua	<i>Persicaria maculosa</i> (L.) Gray	bad
10	Lichnis sylvestris ?	<i>Silene</i> sp.	good
11	Alga membranacea C.B.	/	good
11	/	/	good
11	/	/	good
11	/	/	good
11	/	/	good
11	/	/	good
11	Stella marina	/	good
12	Chelidonium foliys laciniatis	/	bad
12	/	/	good
12	?	/	poor
12	Gelsominum luteus	/	bad
12	Cardus stellatus D.	<i>Centaurea calcitrapa</i> L.	poor
12	Lamium luteus D.?	<i>Lamium galeobdolon</i> (L.) Crantz	good
12	/	<i>Scorzonera</i> sp.	good
12	Talictum minus	<i>Thalictum minus</i> L.	good
13	Centaureum vulg. lacea centauroides	<i>Centaurea</i> sp.	good
13	Campanula arvensis Dod. Viola tetragina onobrichis ?Speculum-veneris	<i>Falcata legousia</i> (Ten.) Janch.	good
13	Persicaria ?	<i>Polygonum</i> sp.	good
13	Ocymum valentinus CB.	<i>Stachys ocymastrum</i> (L.) Briq.	good
13	Urtica maxima canadensis	<i>Urtica</i> sp.	poor
14	lacea capite spinoso	<i>Centaurea seridis</i> subsp. <i>sonchifolia</i> (L.) Greuter	good
14	/	<i>Erigeron</i> sp.	good
14	Ornus ?Fraxinus minor sylvestris C.B.	<i>Fraxinus ornus</i> L.	good
14	Persicaria	<i>Polygonum</i> sp.	good
14	Apios Dod.	<i>Bituminaria bituminosa</i> (L.) C. H. Stirt.	good
14	Salvia angustifolia	<i>Salvia officinalis</i> L.	good
14	Ocymastrum valentinus	<i>Stachys ocymastrum</i> (L.) Briq.	good
15	Ononis non spinosa lutea	/	bad
15	/	/	no sample
15	/	/	no sample
15	Clematis flore pleno coeruleo G.B.	<i>Clematis</i> sp.	good
15	Rubia maxima narbonensis Col	<i>Crucianella maritima</i> L.	poor
15	Rubia ? Jo Bauh. Mollugo palustris	<i>Galium rotundifolium</i> L.	good
15	Paliurus ?	<i>Paliurus spina-christi</i> Mill.	poor
15	Ranunculus flammeus	<i>Ranunculus flammula</i> L.	poor
15	Rubia maior Mat.	<i>Rubia peregrina</i> L.	good
15	Molle arbor clusii sive Lentiscus peruvianus	<i>Schinus molle</i> L.	good
16	Ebulus laciniatus folii Cor.	/	good

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
16	Centaurius minus vulg. Brundolitta	<i>Centaurium erythraea</i> Rafn	good
16	Circea foli ?	<i>Circaea lutetiana</i> L.	good
16	Melilotus coronaria Ch.	<i>Dorycnium hirsutum</i> (L.) Ser.	good
16	/	<i>Euphorbia paralias</i> L.	poor
16	Filipendula	<i>Filipendula vulgaris</i> Moench	poor
16	Chamedrius thimi folii elianthemus thimifolio Ch.	<i>Fumana thymifolia</i> (L.) Spach ex Webb.	good
16	Alsine	<i>Minuartia verna</i> (L.) Hiern	good
16	Paronichia r. Matt.	<i>Polycarpon tetraphyllum</i> (L.) L.	good
17	Filix ramosa	/	good
17	/	/	poor
17	/	/	no sample
17	Buglossum	<i>Anchusa</i> sp.	good
17	Pilosella Dod.	<i>Antennaria dioica</i> (L.) Gaertn.	good
17	Cirsus	<i>Carduus defloratus</i> L.	poor
17	Limonius minus Ch	<i>Limonium</i> sp.	good
17	/	<i>Lythrum junceum</i> Banks & Sol.	good
17	Medica marina Lob.	<i>Medicago marina</i> L.	good
17	Ononis ? Bauh.	<i>Ononis</i> sp.	good
17	Ranunculus flammeus	<i>Ranunculus flammula</i> L.	good
17	Citiso	<i>Genista monspessulana</i> (L.) L. A. S. Johnson	good
18	Ligusticum alterus	<i>Angelica sylvestris</i> L.	good
18	Erigerus Dod. sive amellus montanicolum	<i>Aster</i> cf. <i>amellus</i> L.	good
18	Carduus Cirsis species	<i>Carduus defloratus</i> L.	good
18	Gramen leucanthemum	<i>Cerastium arvense</i> L.	good
18	/	<i>Dorycnium pentaphyllum</i> Scop.	good
18	Stecas crispifoli (index) ?	<i>Lavandula dentata</i> L.	poor
19	Pseudo Dictamnus	<i>Ballota pseudodictamnus</i> (L.) Benth.	good
19	lacea centauroides (index)	<i>Centaurea</i> sp.	poor
19	Orminus	<i>Horminum pyrenaicum</i> L.	good
19	Lisimachia ?	<i>Melampyrum</i> sp.	good
19	Linum umbilicatus	<i>Omphalodes linifolia</i> (L.) Moench	good
20	Atriplex (index)	<i>Atriplex prostrata</i> DC.	good
20	lacea centauroides	<i>Centaurea</i> sp.	good
20	/	<i>Inula helenium</i> L.	good
20	Salvia	<i>Salvia officinalis</i> L.	good
20	Tragopogon flore ?rubense Lob.	<i>Scorzonera undulata</i> subsp. <i>deliciosa</i> (Guss.) Maire	good
20	Urtica 3	<i>Urtica dioica</i> L.	good
21	?	/	good
21	Alcea villosa ?	<i>Althea hirsuta</i> L.	good
21	Thlaspi minus quibusdam aliis Alysson minus nasturtius tragi	<i>Alyssum</i> sp.	good
21	Lisymachia siliquosa	<i>Epilobium lanceolatum</i> Sebast. & Mauri	good
21	Epimedium Plinii ?	<i>Epimedium alpinum</i> L.	good
21	Urtica iners	<i>Lamium garganicum</i> L.	good

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
21	Orchis	<i>Orchis</i> sp.	poor
21	Frumentus indicus	<i>Zea mays</i> L.	good
22	Blitum (index)	/	good
22	?	<i>Arabis turrita</i> L.	good
22	Acarna foli	<i>Carlina sicula</i> Ten.	good
22	/	<i>Cistus incanus</i> L.	good
22	Hedisarum trifillum canadense	<i>Hedysarum canadense</i> L.	good
22	Triticum vaccinum	<i>Melampyrum arvense</i> L.	good
22	Plantago	<i>Plantago major</i> L.	good
22	Tragoriganus	<i>Satureja</i> sp.	good
23	/	/	good
23	Colutea scorpioides	<i>Hippocrepis emerus</i> (L.) Lassen subsp. <i>emerus</i>	good
23	Limonium arvense	<i>Limonium narbonense</i> Mill.	good
23	Origano	<i>Origanum vulgare</i> L.	good
23	Bettonica	<i>Stachys officinalis</i> (L.) Trevis.	good
23	Asclepium vincetoxicum	<i>Vincetoxicum hirundinaria</i> Medik.	good
24	/	/	poor
24	Gnaphalium (index)	<i>Antennaria dioica</i> (L.) Gaertn.	good
24	Vulneraria rustica	<i>Anthyllis vulneraria</i> L.	poor
24	Canna indica variegata	<i>Arundo donax</i> L.	good
24	/	<i>Clematis integrifolia</i> L.	good
24	Meum	<i>Meum athamanticum</i> Jacq.	good
24	Psilium tenui foli	<i>Plantago sempervirens</i> Crantz	good
24	Seseli massiliense seu feniculus tortuosus	<i>Seseli tortuosum</i> L.	good
24	Ptarmica Austriaca seu lacea olea folia	<i>Xeranthemum inapertum</i> (L.) Mill.	good
25	Absinthium montanum chamemeli flore	<i>Artemisia absinthium</i> L.	bad
25	Pseudodictamus	<i>Ballota pseudodictamnus</i> (L.) Benth.	good
25	Pseudocyperus	<i>Carex</i> sp.	good
25	? Botrys ambrosioides	<i>Chenopodium murale</i> L.	good
25	Epimedium Plinii Icones ?	<i>Epimedium alpinum</i> L.	good
25	Quinquefolius candidus	<i>Potentilla</i> sp.	poor
25	Eptaphillos	<i>Potentilla</i> sp.	good
26	Blitum Clus.	<i>Amaranthus deflexus</i> L.	good
26	Tunica sive cariophyllus sylvestris	<i>Dianthus deltoides</i> L.	good
26	Cariophyllata alpina	<i>Geum montanum</i> L.	good
26	Urtica iners altera	<i>Lamium</i> sp.	good
26	Auricola muris	<i>Myosotis</i> sp.	good
26	Poliganus Mari	<i>Polygonum maritimum</i> L.	good
26	Apios arachioides	<i>Bituminaria bituminosa</i> (L.) C. H. Stirt.	good
26	Seseli massiliense folii feniculum sive feniculus tortuosus	<i>Seseli tortuosum</i> L.	good
26	Lagopus	<i>Trifolium arvense</i> L.	good
27	Alissus Mattioli	/	no sample
27	Acer minor	<i>Acer campestre</i> L.	good

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
27	Daucus	<i>Athamanta</i> sp.	poor
27	Vitis Indica laciniatis foliis Cor.	<i>Vitis laciniosa</i> L.	good
28	/	/	no sample
28	/	/	no sample
28	Chachalia Clusy	<i>Adenostyles</i> sp.	good
28	Moli flore sub viridi Boc.	<i>Allium siculum</i> Ucria	good
28	Moli minimus autumnale G.B.	<i>Allium subvillosum</i> Salzm. ex Schult. & Schult. f.	poor
29	/	/	bad
29	?	/	no sample
29	Absintium Ponticum	<i>Artemisia pontica</i> L.	good
29	Solano Vessicario-Pseudo costus	<i>Physalis alkekengi</i> L.	good
29	Aria theophrasti Lug.	<i>Sorbus aria</i> (L.) Crantz	good
30	Enula campana	<i>Inula helenium</i> L.	poor
30	?Bulbosa montana	<i>Leonurus cardiaca</i> L.	bad
30	Acetosella arborea	<i>Rumex lunaria</i> L.	good
31	Sassifragia venetorus	/	good
31	Carduus minimum ?	<i>Atractylis cancellata</i> L.	poor
31	Consolida maggiore	<i>Symphytum bulbosum</i> K. F. Schimp.	poor
32	Sysima purpurea	/	poor
32	/	/	no sample
32	Dryopteris nigra Dod. - Adiantum nigrus ch.	<i>Asplenium adiantum-nigrum</i> L.	good
32	Heliotropius minus tricoccus Clus. et Cas. B.	<i>Chrozophora tinctoria</i> (L.) A. Juss.	good
32	Tithimalus Paralius Dod. et Matth. nonnulli ?	<i>Euphorbia paralias</i> L.	good
32	Heliotropius maius Dios. Herba diabuli, herba di quagli	<i>Heliotropium europaeum</i> L.	good
33	?	/	bad
33	Acacia Aegyptiaca seu spina Aegyptiaca Teophras. sic cassia	<i>Acacia</i> sp.	good
33	Lupulus solitarius Dod.	<i>Humulus lupulus</i> L.	poor
33	Rubia tinctoria	<i>Rubia tinctorum</i> L.	good
33	Gramen cassinus maritimus paniculatus sive spicatus G.B. in Dod.	<i>Sporobolus pungens</i> (Schreb.) Kunth	good
34	Tithimalus Myrsinites seu ?	/	good
34	Chamaelea Alpina ? mezerič quo utantur in officinis et precipue Panormi	<i>Daphne alpina</i> L.	poor
34	Coniza maior Matt. sive Baccharis monsp. Chab	<i>Inula conyzae</i> (Griess.) DC.	good
34	Virga aurea ?	<i>Solidago virga-aurea</i> L.	poor
34	Virga aurea altera Lobel. Perperas	<i>Solidago virga-aurea</i> L.	good
34	Vinca Vinca maculosa	<i>Vinca major</i> L.	good
35	Angelica	<i>Angelica sylvestris</i> L.	poor
35	Unedo seu arbutus ?et cerosa marine ?	<i>Arbutus unedo</i> L.	good
35	Linaria species	<i>Linaria purpurea</i> (L.) Mill.	poor
36	Poliganus arborescens	/	no sample
36	Trichomanes Adiantum nigra ?	<i>Asplenium trichomanes</i> L.	bad
36	Trichomanes Matth.	<i>Asplenium trichomanes</i> L.	poor
36	?Matth.	<i>Blechnum spicant</i> (L.) Roth	good

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36	Seseleos	<i>Bupleurum fruticosum</i> L.	bad
36	Poliganus minus Matth. seu herniaria seu herba ? li colli di pulizzi	<i>Herniaria glabra</i> subsp. <i>nebrodensis</i> Nyman	good
37	/	/	no sample
37	Balsamita acquatica	<i>Impatiens</i> sp.	poor
37	Euphragia lutea ?	<i>Odontites luteus</i> (L.) Clairv.	good
37	Euphragia sive Euphrorine aut Saris vera Matth. in Diosc.	<i>Odontites luteus</i> (L.) Clairv.	bad
37	Solanus sonniferus 4: Matth. perperas Panormi vulgo Alchechengi solanus fruticosus bacciferus C. B. Amomus Plinij obs. Lob. V. spezii	<i>Withania somnifera</i> (L.) Dunal	poor
38	Phyllitis Matth. vulgo lingua cervina et scolopendria	/	no sample
38	Bellis minor Matt. vulgo primo xiuri	<i>Bellis perennis</i> L.	good
38	Nardus Italica seu Lavandula Matth. vulgo spica addosso spagl. espliego	<i>Lavandula angustifolia</i> Mill.	good
38	Costus Hortensis seu Mentha Greca et Mentha Sarracenic in Hatruria Salvia Romana ab alys Herba di Mariae ?Balsamita Dod. vulgo Mentha Romana	<i>Tanacetum balsamita</i> L.	poor
38	/	<i>Taxus baccata</i> L.	good
39	Rosa moschata flore pleno Casp. B. Rosa moschata alba multiphera Taber: Rosa moschata centifolia dicta	<i>Rosa moschata</i> Herrm.	good
40	Anagyris	<i>Anagyris foetida</i> L.	good
40	V. rumpi quartara	<i>Iris planifolia</i> (Mill.) Fiori & Paol.	good
40	Mirtus latifolia (index) v. muttidda adinaria	<i>Myrtus communis</i> L.	good
41	Camepythys seu Ajuga vulgo Iva Mosch. monsp. Chab.	<i>Ajuga chamaepitys</i> (L.) Schreb.	good
41	? Hissopus	<i>Micromeria greca</i> (L.) Benth.	good
41	Osmunda reale	<i>Osmunda regalis</i> L.	poor
41	Verbascus papaveris cornuti foliis G.B.	<i>Verbascum sinuatum</i> L.	poor
42	Epittimus Matt.	<i>Cuscuta epithimum</i> (L.) L.	good
42	Caryophyllus indicus seu Othonna major polyanthos vulgo fiori di morti	<i>Tagetes erecta</i> L.	poor
42	Tagetes seu flos africanus	<i>Tagetes erecta</i> L.	bad
42	Tanacetum Matt.	<i>Tanacetum</i> sp.	good
43	Pimpinella hircina saxifraga Ch. sive Pimpinella hircina saxifraga / semine parvo diuretico Boc. Desc.	/	bad
43	Scolimus crisanthemus scolimus Theop. Carduus crisanthemus Dod. vulgo scoddi ?	<i>Carduus pycnocephalus</i> L.	good
43	Crithmus (index)	<i>Crithmum maritimum</i> L.	good
43	Cichoreus constantinopolitanus Dod. Condrilla tuberosa	<i>Leontodon tuberosum</i> L.	good
44	Chritmus ? Dod: vulgo maio ? Chrisanthemus	/	good
44	?	/	bad
44	Halimus Portulaca marina vulgo ? Molochia Arab. Atriplex marina mauritani	<i>Atriplex halimus</i> L.	good
44	Coronopus minor Stellaria cornucervui	<i>Plantago coronopus</i> L.	good
44	Salix	<i>Salix</i> sp.	good
45	Malva rosea	/	bad
45	Adiantus Albus capillus - veneris	<i>Adiantum capillus-veneris</i> L.	good
45	Gramen filicius polyanthes	<i>Eragrostis cilianensis</i> (All.) Janch.	good
45	Leucoius marinus sive crucigerus	<i>Matthiola tricuspidata</i> (L.) R. Br.	poor

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45	Pimpinella hortensis	<i>Sanguisorba minor</i> Scop.	good
46	Sabina Tamarici similis Hist: Lug:	/	no sample
46	Ebano nigro	/	good
46	Papaver	<i>Glaucium flavum</i> Crantz	good
46	Sabina cupresso similis	<i>Juniperus</i> cf. <i>sabina</i> L.	poor
46	Cupressus	<i>Juniperus phoenicea</i> L.	good
47	Stratiotes, Millefolia minor Matth.	<i>Achillea</i> sp.	good
47	Kali gerina seu Soda	<i>Salicornia</i> sp.	good
48	Serpentaria minima ?Cup.	<i>Biarum tenuifolium</i> (L.) Schott	bad
48	Cineraria sive Iacobeia marina Jo. B.	<i>Senecio</i> sp.	good
48	Polimius Dod. seu Been Albo Monsp.	<i>Silene</i> sp.	good
48	Vitex Matth. Agnus castus Gatillo casto Hispani	<i>Vitex agnus - castus</i> L.	poor
49	Linaria	<i>Antirrhinum majus</i> L.	poor
49	Geranium ?	<i>Geranium</i> sp.	good
49	Narcissus ?albus	<i>Narcissus tazetta</i> L.	good
49	Ribes vulgares	<i>Ribes</i> sp.	bad
49	Hedypnois Valer: Rostrus porcinus officine Dentes leonis ?	<i>Sonchus oleraceus</i> L.	poor
50	Hipp: cavallo marinum	/	poor
50	Stella marina echinacea	/	good
50	Coralloides fruticosa Planta marina ?corallina fruticosa Gesner. / iuncus sapideus anguil. Corallina alba Tabern lithophiton marinus albicans Jo. B.	/	good
50	Vessicaria marina ?	<i>Asplenium scolopendrium</i> L.	bad
51	Rapontico (index)	/	bad
51	Cerasus amara Mahaleb ?	<i>Prunus mahaleb</i> L.	poor
51	Horminus major	<i>Salvia</i> sp.	bad
51	Polium p.m Matth.	<i>Teucrium polium</i> L.	good
52	Althea	<i>Althaea officinalis</i> L.	poor
52	Filipendula	<i>Filipendula vulgaris</i> Moench	poor
52	Limonio	<i>Limonium narbonense</i> Mill.	poor
53	Paronichia Matt. Ruta Muraria Adiantus albus	<i>Asplenium ruta-muraria</i> L.	good
53	Hippomarathrum siculus ?	<i>Cachrys sicula</i> L.	good
53	Cyperus Mat:	<i>Cyperus</i> sp.	good
54	Lotus arbor M. siculi caccama	<i>Celtis australis</i> L.	poor
55	Verbena nodiflora ?	<i>Phyla nodiflora</i> (L.) Greene	poor
55	Sandolina cretica ? Lotus ruber siliqua angulosa B. Pin.	<i>Lotus tetragonolobus</i> L.	good
56	Colutea scorpioides ? Scorpioides arborescens J. B.	<i>Hippocrepis emerus</i> (L.) Lassen subsp. <i>emerus</i>	good
56	Peonia mas	<i>Paeonia mascula</i> (L.) Mill.	good
56	Geranium moscatum	<i>Pelargonium</i> sp.	good
57 a	Sic. Crozza di Morti	<i>Antirrhinum majus</i> L.	poor
57 a	Pimpinella sive Sanguisorbia	<i>Sanguisorba minor</i> Scop.	good
57 b	Thlaspi biscutatus Hieracifolius	<i>Biscutella lyrata</i> L.	good
57 b	Blattaria Matt.	<i>Verbascum blattaria</i> L.	good
58	Abies minor Dod.	<i>Abies alba</i> Mill.	good

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58	Anemone tuberosa radice Bulbo Castano radice Ch. e C.B. sive ?	<i>Anemone apennina</i> L.	poor
58	Pimpinella spinosa	<i>Sarcopoterium spinosum</i> (L.) Spach	good
59	Gramen maximus Dalec.	<i>Cyperus capitatus</i> Vand.	good
59	Verbascum salvifolium G. B. 4. m Matth.	<i>Phlomis fruticosa</i> L.	good
59	Matricale seu Horminus	<i>Stachys</i> sp.	poor
60	Asteratticus	<i>Aster</i> cf. <i>amellus</i> L.	good
60	Lathyrus angustifolia Ch.	<i>Lathyrus</i> sp.	good
61	Cytisus Hispanicus 2° Clus.	<i>Cytisus villosus</i> Pourr.	good
61	Helychrysum orientale C. B. Pin.	<i>Phagnalon saxatile</i> (L.) Cass.	good
62	/	/	bad
62	Scabiosa argentea ? Jo: Bauh. Stoebe salmantica minor Clus. E Lob.	<i>Centaurea</i> sp.	good
62	Milium solis	<i>Lithospermum</i> sp.	poor
62	Scabiosa arborea Alp.	<i>Lomelosia cretica</i> (L.) Greuter & Burdet	good
63	Cistus Ledon alterus Clus.	<i>Cistus monspeliensis</i> L.	good
63	Gladiolus unofloris Mor:	<i>Gladiolus</i> sp.	good
64	/	<i>Camphorosma monspeliaca</i> L.	good
64	Gladiolus binis flores ordinibus cinctus Lob.	<i>Gladiolus</i> sp.	good
64	Plantago alopecuros	<i>Plantago lagopus</i> L.	good
64	Hedypnois MonsPELLIENSIS sive ?	<i>Sonchus oleraceus</i> L.	good
65	Consolida regalis flore ceruleo	<i>Consolida</i> sp.	good
65	Consolida regalis flore albo	<i>Consolida</i> sp.	good
66	Cyanus minor Matt. Cyanus segetus	<i>Cyanus segetum</i> Hill	good
66	Cyanus	<i>Cyanus segetum</i> Hill	good
67	Carduus stellatus sive Myacanthos Teoph. Lugd.	<i>Centaurea calcitrapa</i> L.	good
67	Nigella sive Melanthium vel Gith.	<i>Nigella damascena</i> L.	good
67	Odontites Plin. Bella Margarita Siculi	<i>Viola arvensis</i> Murray	good
68	Consolida Regalis fl. violaceo	<i>Consolida</i> sp.	good
68	Ricinus Matt. Sic. Erba Caruana	<i>Ricinus communis</i> L.	good
68	Tussilago sive farfara officinarus	<i>Tussilago farfara</i> L.	good
69	Thlaspi arborescens Prosp. Alp. fiore bianco siculis	<i>Iberis semperflorens</i> L.	good
69	Linus	<i>Linum usitatissimum</i> L.	good
69	Tragopogon seu Barba Hirci Siciliano Percia Cannelli	<i>Tragopogon crocifolius</i> L.	good
70	Amomus	/	poor
70	Angelica acquatica sicula	<i>Angelica sylvestris</i> L.	poor
70	Pulmonaria vera	<i>Pulmonaria</i> sp.	poor
70	Sanguis draconis	<i>Rumex</i> sp.	good
70	Tussilago seu farfara sic. Unghia cavaddina	<i>Tussilago farfara</i> L.	poor
70	Viola nigra	<i>Viola</i> cf. <i>odorata</i> L.	good
71	Cherefolium	<i>Anthriscus</i> sp.	good
71	Etiopius Matt.	<i>Salvia aethiopsis</i> L.	good
71	Saponaria	<i>Saponaria officinalis</i> L.	poor
72	Ruta muraria	<i>Asplenium ruta-muraria</i> L.	good

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72	Laurus imperiale	<i>Laurus</i> sp.	poor
72	Erba turca (index)	<i>Spergularia rubra</i> (L.) J. Presl & C. Presl	poor
72	Bettonica	<i>Stachys officinalis</i> (L.) Trevis.	good
73	Celidonium majus Matt. vulgo Celidonia Hirundinaria	<i>Chelidonium majus</i> L.	poor
73	Primula veris seu Conterba Sic. (index)	<i>Primula acaulis</i> (L.) L.	poor
73	Solano racemoso	<i>Solanum</i> sp.	good
73	Satureja Sic. riganeddu	<i>Thymbra capitata</i> (L.) Cav.	good
74	Alchimilla seu Erba stellaria (index)	<i>Alchemilla</i> sp.	good
74	Cariophyllata	<i>Geum montanum</i> L.	poor
74	Ligustrum	<i>Ligustrum vulgare</i> L.	poor
74	Geranio ?	<i>Pelargonium</i> sp.	poor
75	/	/	poor
75	/	/	no sample
75	Limonio	<i>Citrus limon</i> (L.) Burm. f.	poor
75	Meliante	<i>Sanguisorba minor</i> Scop.	poor
76	Drago Cefalo	/	bad
76	Arundo indica (index)	<i>Arundo donax</i> L.	bad
76	Galega Ruta Caprarica (index)	<i>Galega officinalis</i> L.	poor
77	Dragoriganum	/	poor
77	Stecas Erba di Pal. (index)	<i>Lavandula stoechas</i> L.	poor
77	Rutha hortensis (index)	<i>Ruta chalepensis</i> L.	poor
78	Pentiphyllus major	/	good
78	Fumaria	<i>Fumaria</i> sp.	good
78	Serpillum	<i>Thymus serpyllum</i> L.	good
79	Aquilegia	<i>Aquilegia vulgaris</i> L.	poor
79	Filix mas	<i>Dryopteris filix-mas</i> (L.) Schott	poor
80	/	<i>Anthemis</i> sp.	good
80	Geranium alterum pede Columbino	<i>Geranium pyrenaicum</i> Burm. f.	poor
81	Cicerbita	/	good
81	Siderite ?seu Strigarella	<i>Lycopus europaeus</i> L.	poor
81	Ormino minore (index)	<i>Stachys</i> sp.	poor
82	Nummularia	<i>Lysimachia nummularia</i> L.	poor
82	?	<i>Rubus canescens</i> DC.	poor
82	Adiantum	<i>Thalictrum aquilegifolium</i> L.	good
83	Brionia	<i>Bryonia cretica</i> subsp. <i>dioica</i> (Jacq.) Tutin	poor
83	Cariophyllata	<i>Geum urbanum</i> L.	good
84	Ononis sic resta bovis	<i>Ononis</i> sp.	good
84	? passerina (index)	<i>Polygonum maritimum</i> L.	bad
84	Solanum pomiferum	<i>Solanum linnaeanum</i> Hepper & P.-M. L. Jaeger	good
84	Maro Cortuso	<i>Thymus serpyllum</i> L.	good
84	Veronica femmina	<i>Veronica anagallis-aquatica</i> L.	good
84	Veronica maschio	<i>Veronica</i> sp.	poor
85	Iuda	<i>Cercis siliquastrum</i> L.	poor

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85	Staphisagria sic. ?	<i>Delphinium staphysagria</i> L.	poor
85	Tormentilla	<i>Geranium versicolor</i> L.	poor
86	Acanthus Brancaorsina (index)	<i>Acanthus mollis</i> L. subsp. <i>mollis</i>	poor
86	Cicer syl. Anonis trifoliis affinis Chab.	<i>Ononis natrix</i> subsp. <i>ramosissima</i> (Desf.) Batt.	good
87	Gramen tremuleus majus phallaris ? B. Pin.	<i>Briza maxima</i> L.	good
87	Medica follicolo spinoso Lob.	<i>Medicago polymorpha</i> L.	good
87	Trifolius pratense Trifolius lupulinus femina Ch.	<i>Trifolium badium</i> Schreb.	good
88	Cistus ladon	<i>Cistus monspeliensis</i> L.	good
88	Erica purpura ? flore Juniperi foli Lob.	<i>Erica multiflora</i> L.	good
88	Hedisarum ? clypeatus sive Helenius Aegyptium Lob. Sulla Arabum Sulla siculis	<i>Hedysarum coronarium</i> L.	poor
88	Linaria ?	<i>Linaria purpurea</i> (L.) Mill.	good
89	/	/	poor
89	Narcissus	<i>Narcissus poeticus</i> L.	good
89	Lichnis sylvestris	<i>Silene dioica</i> (L.) Clairv.	good
90	Apocynum amplexicaule Lob. sive Periploca repens	<i>Cynanchum acutum</i> L.	good
90	Crucem syl. Herbariorus Lob.	<i>Pisum sativum</i> L.	good
90	Scandix Pecten Veneris	<i>Scandix pecten-veneris</i> L.	good
91	Buglossum verum Lugd.	<i>Borago officinalis</i> L.	good
91	Cucumis sylvestris sive Asininus	<i>Ecballium elaterium</i> (L.) A. Rich.	poor
91	Petasites Lob.	<i>Petasites pyrenaicus</i> (L.) G. López	poor
92	Pastinaca sativa domestica Matth.	<i>Pastinaca sativa</i> L.	good
92	Circea monspellientium Vitis sylvestris Matt. dulcis ?	<i>Solanum dulcamara</i> L.	good
93	Curriola	/	bad
93	Mille folium major	<i>Achillea millefolium</i> L.	poor
93	Perforata seu Petasidis	<i>Adenostyles</i> sp.	bad
94	Paludapium sic. Appio vigo	<i>Apium</i> sp.	good
94	Scrophularia peregrina	<i>Scrophularia peregrina</i> L.	good
95	Panax (index)	/	poor
95	Ammi Cord.	<i>Ammi</i> sp.	poor
95	Peucedano ? la seta	<i>Gomphocarpus fruticosus</i> (L.) W. T. Aiton	poor
95	Lupulus solictarius	<i>Humulus lupulus</i> L.	bad
96	Cicuta Mat.	<i>Conium maculatum</i> L.	good
96	Dictamnus Creticus Mat.	<i>Origanum dictamnus</i> L.	good
96	Oxilapatum sic. Lapazzu	<i>Rumex obtusifolius</i> L.	bad
96	Orminus sclarea dictus	<i>Salvia sclarea</i> L.	bad
97	Cneorum argenteum Mat. Herba cattiva siculis cneorus folio argenteo molli G. B. doricnius ex Sicilia ?	<i>Convolvulus cneorum</i> L.	good
97	Cariophyllata M. Herba benedicta	<i>Geum montanum</i> L.	poor
97	Melissa melecophyllus Mat.	<i>Melissa</i> sp.	good
97	Rheseda candida cauda equina siculi cauda d'agneddu	<i>Reseda alba</i> L.	poor
98	Pilosella	<i>Hieracium</i> sp.	poor
98	Pigamus Dod. Thalictus majus seu Politrico	<i>Thalictum aquilegifolium</i> L.	good
99	Fragaria il suo frutto frauli	<i>Fragaria vesca</i> L.	good

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99	Condrollas affinis ?sic. ?Chondrilla ?siculis	<i>Reichardia picroides</i> (L.) Roth	good
99	Nasturtium Indicus Casp. Siculi fiore di passione	<i>Tropaeolum majus</i> L.	poor
100	Lathiris sive Cataputia minor Tithymalus latifolius Matt.	<i>Euphorbia</i> sp.	poor
100	Euphragia latifolia purpurea	<i>Parentucellia latifolia</i> (L.) Caruel	poor
100	Arundo	<i>Phragmites australis</i> (Cav.) Steud.	good
101	Apocynus folio rotundiore flore ex albo pallescente G.B. Periploca graeca foliis latioribus hederaceis Lobely Cynocrambe Galeni et cynomoris ? periploca repens Caes. Brassica canina	<i>Cynanchum acutum</i> L.	good
102	Anthyllis leguminosa Belgarum	<i>Anthyllis vulneraria</i> L.	good
102	Stachys spuria Flandrorus Lob.	<i>Sideritis</i> sp.	good
103	Camphorota Monspelliensis Lob.	<i>Camphorosma monspeliaca</i> L.	good
103	Nicotiana seu Tabacco	<i>Nicotiana tabacum</i> L.	poor
103	Thanacetus luteus Athanasia	<i>Tanacetum vulgare</i> L.	good
104	Scabiosa argentea squammata Jo. Bauh.	<i>Centaurea</i> sp.	good
104	Stichas citrina latifolia Ch. vulg. Fiore di Messina	<i>Helichrysum pendulum</i> (C. Presl) C. Presl	good
104	Ageratum ferulae (index)	<i>Lonas annua</i> (L.) Vines & Druce	good
104	Chamaedris assurgens Ch.	<i>Teucrium chamaedrys</i> L.	good
105	?	/	poor
105	Horminum denticulatum	<i>Salvia pratensis</i> L. subsp. <i>pratensis</i>	poor
105	Scrofularia ?	<i>Scrophularia nodosa</i> L.	poor
106	Peucedanum	<i>Peucedanum</i> sp.	good
106	Alsina veronica folio G.B.	<i>Veronica arvensis</i> L.	good
106	Vinca pervinca clematidis	<i>Vinca major</i> L.	bad
107	Napellus verus Napellus flore ceruleo C.B.	/	good
107	Brassica marina Soldanella Ch. Mabathamicon	<i>Calystegia soldanella</i> (L.) Roem. & Schult.	good
108	Consolida media Matth. ?	<i>Ajuga orientalis</i> L.	good
108	Chamaeleon exigus ?carduncellus ?	<i>Carthamus pinnatus</i> Desf.	poor
108	Polium Mattioli	<i>Teucrium polium</i> L.	good
108	Serpillum Tragoriganum Clus.vulgare repens H. vide descriptiones eiusde	<i>Thymus striatus</i> Vahl	poor
109	Dictamnol album Matt. sive fraxinella	<i>Dictamnus albus</i> L.	poor
109	Tithymalus paralius M.	<i>Euphorbia paralias</i> L.	good
109	Aphaca vera Dod. Aphaca ? Chab.	<i>Lathyrus aphaca</i> L.	good
109	Thalictrum majus (index)	<i>Thalictrum</i> sp.	poor
110	Viola matronalis ?Dioscor. Clinopodium Mat. Acinos ?	<i>Acinos alpinus</i> (L.) Moench	poor
110	Auricula muris ? sive Olosteum tomentosum	<i>Cerastium tomentosum</i> L.	good
110	Periclymenus seu mater silve ? caprifoglio ?	<i>Lonicera etrusca</i> Santi	poor
110	Solanus magnus virginianus rubrum Park sive americanus ?	<i>Phytolacca americana</i> L.	poor
111	Costus hortensis sive Mentha Greca	<i>Tanacetum balsamita</i> L.	poor
111	Aconitus lycostonus fl. Delphinium Lob.	<i>Delphinium fissum</i> Waldst. & Kit.	good
111	Symphitum nigrus tuberosus siculis	<i>Symphytum tuberosum</i> L.	poor
112	Elleborus niger (index)	<i>Helleborus</i> sp.	poor
112	Mentha ?	<i>Mentha spicata</i> L.	poor
112	Phyllitis lingua cervina	<i>Salsola oppositifolia</i> Desf.	poor

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112	Thalictrum minus	<i>Thalictrum minus</i> L.	poor
113	Tragacantha Matth.	<i>Astracantha sicula</i> (Raf.) Greuter	good
113	Petroselinum macedonium	<i>Bubon macedonicum</i> L.	good
113	Rhamnus catharticus spina ?cervi spina spina merlo spina Quercia	<i>Rhamnus catharticus</i> L.	bad
114	Personata major sive Bardana	<i>Arctium minus</i> (Hill) Bernh.	poor
114	Abrotanus	<i>Artemisia absinthium</i> L.	poor
114	Rapistrum flore albo cruceifoliis	<i>Diplotaxis eruroides</i> (L.) DC.	bad
114	Ebulus sive sambucus humilis	<i>Sambucus ebulus</i> L.	good
115	Mentha gattaria sive Herba gatta	<i>Nepeta cataria</i> L.	good
115	Paronichia rutacea folia Lob.	<i>Saxifraga tridactylites</i> L.	good
115	?	<i>Jacobaea ambigua</i> (Biv.) Pelser & Veldkamp	good
115	Smyrniium creticus Lob. v. lisciandreddu	<i>Smyrniium perfoliatum</i> subsp. <i>rotundifolium</i> (Mill.) Bonnier & Layens	poor
116	Olea boemica	<i>Elaeagnus angustifolia</i> L.	good
116	Lathyrus latifolia	<i>Lathyrus ochrus</i> (L.) DC.	poor
116	Mercurialis mas.	<i>Mercurialis annua</i> L.	poor
117	Chamemelus inodorus sive cotula no fetida	<i>Chamaemelum fuscatum</i> (Brot.) Vasc.	poor
117	Locusta ? Valleria peregrina pratensis	<i>Fedia cornucopiae</i> (L.) Gaertn.	poor
117	/	<i>Lotus cytisoides</i> L.	good
117	Melilotus italica folliculis rotundis	<i>Melilotus italicus</i> (L.) Lam.	poor
118	Geranium ? longissimo	<i>Erodium moschatum</i> (L.) L'Hér.	poor
118	Theucrus Beticus	<i>Teucrium fruticans</i> L.	good
118	Verbena	<i>Verbena officinalis</i> L.	good
119	Cotula fetida	<i>Anthemis cotula</i> L.	good
119	Rubeola arvensis	<i>Asperula arvensis</i> L.	good
119	/	<i>Cerastium</i> sp.	good
119	Alsine maritima Neapolitana	<i>Spergularia marina</i> (L.) Griseb.	good
120	Beta cretica semine aculeato Gasp. B.	<i>Emex spinosa</i> (L.) Campd.	poor
120	Leodorus marinus	<i>Erysimum cheiri</i> (L.) Crantz	poor
120	Pisjilius	<i>Plantago afra</i> L.	good
120	Valerianella scabiosa ?vulgo cugni moddi erba molle Lazzucheddi Barba di Monici	<i>Valerianella</i> sp.	good
121	Gallius flore rubro	<i>Asperula aristata</i> L. f.	good
121	Trissago apulafolii Colum. Euphragia pratensis purp. latifolia	<i>Bellardia trixago</i> (L.) All.	good
121	Pilosella Auricula muris Chab.	<i>Cerastium</i> sp.	good
121	Condrilla pusilla marina lutea bulbosa an Diosc. Radice rotunda orbiculata strongula Theophrasti Cichorius, et an Hemorrhoidalis Cichorius strumosus Myconis Cichorius bulbosus Dalesc.	<i>Sonchus bulbosus</i> (L.) N. Kilian & Greuter	good
122	Perfoliata Dodonei	/	poor
123	Camedaphnoides Auricularia ?Chab. speculum - veneris	<i>Legousia speculum-veneris</i> (L.) Chaix	poor
123	Perfoliata siliquosa vel Brassica campestris flore purpureo B.	<i>Moricandia arvensis</i> (L.) DC.	good
123	Succisa Matt. vulg. Morsus Deaboli	<i>Succisa pratensis</i> Moench	poor
124	Campanula ocimifol. hirsuta flore pendulo Bocconi Viola mariana in medicus Dios.	<i>Campanula dichotoma</i> L.	bad

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
124	Cystus Hispanicus Clus.	<i>Cytisus villosus</i> Pourr.	bad
124	Origanus onitis	<i>Origanum onites</i> L.	good
124	Gramen trematus minimus	<i>Ochlopa annua</i> (L.) H. Scholz	good
125	Lepidius Pauli et Plinii	/	poor
125	Centaurius majus vel Rhaponticus perperas	<i>Centaurea</i> sp.	poor
125	lacea oleaefolia Ptarmica altera Matt. Sternutamentaria ?	<i>Xeranthemum inapertum</i> (L.) Mill.	good
126	Cerifolius	<i>Anthriscus cerefolium</i> (L.) Hoffm.	poor
126	Aristolochia ?	<i>Aristolochia sicula</i> Tineo	poor
126	Genistella	<i>Genista gasparrini</i> (Guss.) C. Presl	good
126	/	<i>Geranium</i> sp.	good
126	Sanicula ?	<i>Sanicula europaea</i> L.	good
127	Poliganus niveus	<i>Paronychia argentea</i> Lam.	good
127	Viscus quercinus (index)	<i>Viscum album</i> L.	poor
128	? Siculi caulicettu o Lippu di ?	/	good
128	Oenanthe sive filipendula ?	<i>Oenanthe pimpinelloides</i> L.	poor
128	/	<i>Xeranthemum inapertum</i> (L.) Mill.	good
129	? agrimoniodes	<i>Aremonia agrimonioides</i> (L.) DC.	good
129	Phallaris minimus seu Gramen tremulus minimus C.B. Theatri Botanicae	<i>Briza minor</i> L.	good
129	Iacobeia ?	<i>Senecio</i> sp.	good
130	/	/	bad
130	Echium syl. minus Bocc. Buglossum minimum echii facie flore rubense Lob. echioides alba parva Col. Amphibia Caes.	<i>Buglossoides arvensis</i> (L.) I. M. Johnst.	poor
130	Hedera humilis sive chamecissus Corona terrae, Hedera terrestris ? Cordi	<i>Lamium garganicum</i> L.	poor
131	Artemisia vera Mat.	<i>Artemisia verlotiorum</i> Lamotte	good
131	Lotus odora angustifolia Lotus urbana Cos.	<i>Melilotus infestus</i> Guss.	good
131	Acetosa romana ocymifolio G.B. Acetosa minor ocymifolio neapolitana Col.	<i>Rumex bucephalophorus</i> L.	poor
132	Viorna vulgi Lob. Clematis 3 ° Matth.	<i>Clematis vitalba</i> L.	poor
132	Cichorius ?	<i>Leontodon tuberosum</i> L.	poor
132	Trifolium corniculatus	<i>Lotus corniculatus</i> L.	good
133	Phalliris seu gramen tremulus	<i>Briza maxima</i> L.	good
133	Medica folliculo spinoso	<i>Medicago intertexta</i> (L.) Mill.	poor
133	Scutellaria cortus, Cassida Col.	<i>Scutellaria columnae</i> All.	good
133	Iuiuba syl. Caesal.	<i>Ziziphus lotus</i> (L.) Lam.	good
134	Geranium fuschum Lob.	<i>Geranium versicolor</i> L.	poor
134	Medica folliculo cochleato	<i>Medicago orbicularis</i> (L.) Bartal.	good
134	Cicer sylvaticum Theriacaria	<i>Ononis natrix</i> L. subsp. <i>natrix</i>	good
135	Flos adonis Lob. ? Rinedda di Ventu cu xiuri russo	<i>Adonis annua</i> L. subsp. <i>annua</i>	good
135	Gramen avenaceum	<i>Anisantha madritensis</i> (L.) Nevski	good
135	Gramen Sorghi effigie	<i>Poa</i> sp.	good
136	Lychnis	<i>Agrostemma githago</i> L.	poor
136	Cariophyllata	<i>Geum urbanum</i> L.	poor
136	Herba venti vel Sideritis Monspelliensius Lobell.	<i>Phlomis herba-venti</i> L.	good

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137	Chamaesyce ? selvaggia Siculi	<i>Euphorbia chamaesyce</i> L.	good
137	Medica folliculo spinoso	<i>Medicago turbinata</i> (L.) All.	good
138	Lavandula species	<i>Lavandula</i> sp.	good
138	Calamintha montana	<i>Melittis melissophyllum</i> subsp. <i>albida</i> (Guss.) P. W. Ball	good
138	Irio sive Erysimus	<i>Sisymbrium irio</i> L.	poor
139	Thlapsi bellidi folio	/	good
139	Auricula muris pulchro flore rosa	<i>Cerastium tomentosum</i> L.	good
139	Ipericon nero	<i>Hypericum perfoliatum</i> L.	poor
139	Git, sive Melanthium vel nigella	<i>Nigella damascena</i> L.	good
140	Draba 2° Clus.	<i>Arabis alpina</i> subsp. <i>caucasica</i> (Willd.) Briq.	good
140	Lathyrus	<i>Lathyrus gorgonii</i> Parl.	good
140	Anonis lutea no spinosa repens folio lucido serrato Bocconi	<i>Ononis oligophylla</i> Ten.	good
141	Cerithe maior Lob. siculij sucameli	<i>Cerithe major</i> L.	good
141	/	<i>Asplenium ceterach</i> L.	good
141	Pentaphyllum erectum Fuchs.	<i>Potentilla</i> sp.	good
142	Chamaemoly an Moly Diosc. Col.	<i>Allium chamaemoly</i> L.	poor
142	Saxifraga ?	<i>Micromeria juliana</i> (L.) Benth. ex Rchb.	good
142	Horminus syl. Fuch.	<i>Salvia verbenaca</i> L.	poor
142	Scabiosa Sic. Herba di Cavaleri	<i>Scabiosa columbaria</i> L.	good
143	Aparine Matth.	<i>Galium aparine</i> L.	good
143	Geranium Robertianus	<i>Geranium robertianum</i> L.	good
143	Herba gatta	<i>Nepeta cataria</i> L.	poor
144	/	/	poor
144	Adiantum nigrus Chab. Driopteris nigra Dod.	<i>Asplenium adiantum-nigrum</i> L.	good
144	Coluthea scorpioides	<i>Hippocrepis emerus</i> (L.) Lassen subsp. <i>emerus</i>	good
144	Linaria Valentina 3philla Clus.	<i>Linaria reflexa</i> (L.) Desf.	good
145	Gramen cyperoides	<i>Carex cuprina</i> (Heuff.) A. Kern.	good
145	Styrax Matth.	<i>Styrax officinalis</i> L.	poor
145	Talictum minus	<i>Vitex agnus-castus</i> L.	poor
146	Crisanthemum	<i>Glebionis segetum</i> (L.) Fourr.	poor
146	Lilium convalium	<i>Convallaria majalis</i> L.	poor
146	Euphragia pratense purpurea latifolia Columnae	<i>Parentucellia latifolia</i> (L.) Caruel	good
146	Verbascum	<i>Verbascum thapsus</i> L.	poor
147	Althea arborea Olbia in Gallo Provincia Lobel.	<i>Malva arborea</i> (L.) Webb & Berthel.	good
147	Anagallis aquatica Dodonei Becabunga Germanius	<i>Veronica anagallis-aquatica</i> L.	good
147	Vicia	<i>Vicia melanops</i> Sibth. & Sm.	good
148	Bardana officinalis ? lappola maggiore	<i>Arctium minus</i> (Hill) Bernh.	poor
148	Rosa sinensis arbor ?	<i>Hibiscus rosa-sinensis</i> L.	bad
148	Sorbus	<i>Sorbus aucuparia</i> L.	poor
148	Lappa inversa seu Bardana minor ?strumaria ?	<i>Xanthium strumarium</i> L.	poor
149	Lithospermum ?	<i>Coix lacryma-jobi</i> L.	good
149	Saponaria vera	<i>Saponaria officinalis</i> L.	good

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
149	Hedera spinosa seu smilax aspera Ital. Rovo cervi vulgo Salsa siciliana	<i>Smilax aspera</i> L.	good
150	Aloe ex America Dod. Folio in obovatus absente Casp. B.	/	poor
150	Asparagus silvestris tenuissimis foliis	<i>Asparagus albus</i> L.	good
150	Asparagus hortensis Dod. Asparagus sativa Casp. B. vulgo sparaci	<i>Asparagus officinalis</i> L.	good
151	Arisarus prius Matt. Aris Plin.	<i>Arisarum vulgare</i> O. Targ. Tozz.	good
151	Sticas citrina ? G.B.	<i>Helichrysum</i> sp.	good
151	Abrotanum femina Matth.	<i>Santolina chamaecyparissus</i> L.	poor
151	Erica Alexandrina Lob. seu sanamunda vulgo muffulena	<i>Thymelaea hirsuta</i> (L.) Endl.	good
152	/	/	bad
152	Brassica sylvestris perfoliata Dod. Brassica campestris perfoliata flore aureo Casp. Beguini	<i>Brassica rapa</i> subsp. <i>campestris</i> (L.) A. R. Clapham	poor
152	?vulgo ruvetto di san francisco	<i>Rubus</i> sp.	good
153	Caucalis M.	<i>Anthriscus</i> sp.	good
153	Caltha vulgaris Casp. B. calendula Dod. Ital. Fiore di ogni mese horologio de i contadini	<i>Calendula stellata</i> Cav.	good
153	Solanus lethale Belladonna Clusij	<i>Lycium chinense</i> Mill.	poor
154	Matricaria ?	/	good
154	Serratula sic. Gentil Galla	<i>Salvia</i> sp.	good
154	Smyrnius Matth. vulgo lisciandri olosatrus bad Ital. Smirnio macedone Spag. Apio macedonico	<i>Smyrniolum olusatrum</i> L.	poor
155	Pinus sativa vulgo Pignu	<i>Pinus halepensis</i> Mill.	good
155	Hypofillus	<i>Ruscus hypophyllum</i> L.	good
155	Sphacelus verus Theophr. Salvia minore Mat.	<i>Salvia fruticosa</i> Mill.	good
156	Palma arbor ?	<i>Phoenix dactylifera</i> L.	good
156	Hemeris Etymodris vulgo agliandra	<i>Quercus robur</i> L.	good
157	Ilex major Matt.	<i>Ilex aquifolium</i> L.	good
157	Lentischus Mat. vulgo Stinco ?	<i>Pistacia lentiscus</i> L.	poor
157	Polium montanum	<i>Teucrium capitatum</i> L.	good
158	? Papyrus gladiolus India ?	<i>Canna indica</i> L.	poor
158	Ranunculus tertius ?	<i>Ranunculus bullatus</i> L.	bad
158	Ranunculus lusitanicus Dodonei Ranunculus humili	<i>Ranunculus bullatus</i> L.	bad
158	/	<i>Ranunculus bullatus</i> L.	bad
158	Ranunculus ?	<i>Ranunculus bullatus</i> L.	bad
159	Clematis 3° Boetica Matth. sive vitis silvestris Dodonei flammola perperas ?	<i>Clematis cirrhosa</i> L.	poor
159	Melissophyllum Melissa Dios. Mat. Citronella ?	<i>Melissa officinalis</i> L.	poor
159	/	<i>Saponaria officinalis</i> L.	good
160	/	/	poor
160	Arthemisia ?	<i>Artemisia verlotiorum</i> Lamotte	good
160	Nerium sive Rhododaphnem Plin. Rosas laureas Apulei Ital. Rosa lauro et oleandro vulgo landru	<i>Nerium oleander</i> L.	good
161	Papyrus ex Sicilia ? ciperialis Cyperi Bocc. Descrip.	<i>Cyperus papyrus</i> L.	good
161	Narcissus verus luteus G.B.	<i>Narcissus tazetta</i> L.	good
161	Polium montanum	<i>Teucrium polium</i> L.	good

Herbarium sheet number	Plant name as indicated in the Herbarium	Current taxonomic identification	State of preservation
162	Amarantus purpureus sativo ? Lob. Blitus maximus Ch.	<i>Amaranthus retroflexus</i> L.	good
162	Amarantus ? folias simplici spicata panniculata Lobel	<i>Amaranthus</i> sp.	good
162	Papaver cornutus Sic. Cauliceddi marini	<i>Glaucium corniculatum</i> (L.) Rudolph	poor
162	Panica ? sive panico ?	<i>Panicum</i> sp.	good
163	Plumbago Herba Sant'Antonis vulgo ? cattiva	/	no sample
163	Hedera Mat.	<i>Hedera helix</i> L.	good
163	/	<i>Heliotropium supinum</i> L.	poor

Appendix 1. – Taxonomic index.

- Abies alba* Mill.
Acacia sp.
Acanthus mollis L. subsp. *mollis*
Acer campestre L.
Achillea maritima (L.) Ehrend. & Y. P. Guo
Achillea millefolium L.
Achillea sp.
Acinos alpinus (L.) Moench
Aconitum sp.
Adenostyles sp.
Adiantum capillus-veneris L.
Adonis annua L. subsp. *annua*
Agrostemma githago L.
Ajuga chamaepitys (L.) Schreb.
Ajuga orientalis L.
Alchemilla sp.
Allium chamaemoly L.
Allium siculum Ucria
Allium subvillosum Salzm. ex Schult. & Schult. f.
Althaea officinalis L.
Althea hirsuta L.
Alyssum sp.
Amaranthus deflexus L.
Amaranthus retroflexus L.
Amaranthus sp.
Ammi sp.
Anagyris foetida L.
Anchusa sp.
Anemone apennina L.
Angelica sylvestris L.
Anisantha madritensis (L.) Nevski
Antennaria dioica (L.) Gaertn.
Anthemis cotula L.
Anthemis sp.
Anthriscus cerefolium (L.) Hoffm.
Anthriscus sp.
Anthyllis barba-jovis L.
Anthyllis vulneraria L.
Antirrhinum majus L.
Apium sp.
Aquilegia vulgaris L.
Arabis alpina subsp. *caucasica* (Willd.) Briq.
Arabis turrita L.
Arbutus unedo L.
Arctium minus (Hill) Bernh.
Aremonia agrimonioides (L.) DC.
Arisarum vulgare O. Targ. Tozz.
Aristolochia sicula Tineo
Artemisia absinthium L.
Artemisia pontica L.
Artemisia verlotiorum Lamotte
Arundo donax L.
Asparagus albus L.
Asparagus officinalis L.
Asperula aristata L. f.
Asperula arvensis L.
Asplenium adiantum-nigrum L.
Asplenium ceterach L.
Asplenium ruta-muraria L.
Asplenium scolopendrium L.
Asplenium trichomanes L.
Aster cf. *amellus* L.
Astracantha sicula (Raf.) Greuter
Athamanta sp.
Atractylis cancellata L.
Atriplex halimus L.
Atriplex prostrata DC.
Ballota pseudodictamnus (L.) Benth.
Bellardia trixago (L.) All.
Bellis perennis L.
Biarum tenuifolium (L.) Schott
Biscutella lyrata L.
Bituminaria bituminosa (L.) C. H. Stirt.
Blechnum spicant (L.) Roth
Borago officinalis L.
Brassica rapa subsp. *campestris* (L.) A. R. Clapham
Briza maxima L.
Briza minor L.
Bryonia cretica subsp. *dioica* (Jacq.) Tutin
Bubon macedonicum L.
Buglossoides arvensis (L.) I. M. Johnst.
Bupleurum fruticosum L.
Cachrys sicula L.
Calendula stellata Cav.
Calystegia soldanella (L.) Roem. & Schult.
Campanula dichotoma L.
Camphorosma monspeliaca L.
Canna indica L.
Carduus defloratus L.
Carduus pycnocephalus L.
Carex cf. *vulpina* L.
Carex cuprina (Heuff.) A. Kern.
Carex sp.
Carlina sicula Ten.
Carthamus pinnatus Desf.
Cassia sophera L.
Celtis australis L.
Centaurea calcitrapa L.
Centaurea seridis subsp. *sonchifolia* (L.) Greuter
Centaurea sp.
Centaurium erythraea Rafn
Cerastium arvense L.
Cerastium sp.
Cerastium tomentosum L.
Cercis siliquastrum L.
Cerintho major L.
Chamaemelum fuscatum (Brot.) Vasc.
Chelidonium majus L.
Chenopodium murale L.
Chenopodium vulvaria L.
Chrozophora tinctoria (L.) A. Juss.
Circaea lutetiana L.
Cistus incanus L.
Cistus monspeliensis L.
Citrus limon (L.) Burm. f.
Clematis cirrhosa L.
Clematis integrifolia L.
Clematis sp.
Clematis vitalba L.
Clinopodium vulgare L.
Coix lacryma-jobi L.
Conium maculatum L.
Consolida sp.
Convallaria majalis L.
Convolvulus cneorum L.
Crambe hispanica L.
Crithmum maritimum L.
Crucianella maritima L.
Cuscuta epithymum (L.) L.
Cyanus segetum Hill
Cynanchum acutum L.
Cynosurus echinatus L.
Cyperus capitatus Vand.
Cyperus papyrus L.
Cyperus sp.
Cytisus villosus Pourr.
Daphne alpina L.
Delphinium fissum Waldst. & Kit.
Delphinium sp.
Delphinium staphysagria L.
Dianthus deltoides L.
Dictamnus albus L.
Diplotaxis eruroides (L.) DC.
Dorycnium hirsutum (L.) Ser.
Dorycnium pentaphyllum Scop.
Dryopteris filix-mas (L.) Schott
Ecballium elaterium (L.) A. Rich.
Elaeagnus angustifolia L.
Emex spinosa (L.) Campd.
Epilobium lanceolatum Sebast. & Mauri
Epimedium alpinum L.
Eragrostis cilianensis (All.) Janch.
Erica multiflora L.
Erigeron sp.
Erodium moschatum (L.) L'Hér.
Erysimum cheiri (L.) Crantz
Euphorbia chamaesyce L.
Euphorbia paralias L.
Euphorbia sp.
Falcaria vulgaris Bernh.
Falcata legousia (Ten.) Janch.
Fedia cornucopiae (L.) Gaertn.

- Filipendula vulgaris* Moench
Fragaria vesca L.
Fraxinus ornus L.
Fumana thymifolia (L.) Spach ex Webb.
Fumaria sp.
Galega officinalis L.
Galium aparine L.
Galium rotundifolium L.
Genista gasparrini (Guss.) C. Presl
Genista monspessulana (L.) L. A. S. Johnson
Gentiana clusii E. P. Perrier & Songeon
Geranium pyrenaicum Burm. f.
Geranium robertianum L.
Geranium sp.
Geranium versicolor L.
Geum montanum L.
Geum urbanum L.
Gladiolus sp.
Glaucium corniculatum (L.) Rudolph
Glaucium flavum Crantz
Glebionis segetum (L.) Fourr.
Gomphocarpus fruticosus (L.) W. T. Aiton
Hedera helix L.
Hedysarum coronarium L.
Hedysarum canadense L.
Helianthus tuberosus L.
Helichrysum pendulum (C. Presl) C. Presl
Helichrysum sp.
Heliotropium europaeum L.
Heliotropium spinum L.
Helleborus sp.
Herniaria glabra subsp. *nebrodensis* Nyman
Hibiscus rosa-sinensis L.
Hieracium sp.
Hippocrepis emerus (L.) Lassen subsp. *emerus*
Horminum pyrenaicum L.
Humulus lupulus L.
Hypericum perforatum L.
Iberis semperflorens L.
Ilex aquifolium L.
Impatiens sp.
Inula conyzae (Griess.) DC.
Inula helenium L.
Inula oculus-christi L.
Iris planifolia (Mill.) Fiori & Paol.
Jacobaea ambigua (Biv.) Pelser & Veldkamp
Juniperus cf. sabina L.
Juniperus phoenicea L.
Lamium galeobdolon (L.) Crantz
Lamium garganicum L.
Lamium sp.
Lathyrus aphaca L.
Lathyrus gorgonii Parl.
Lathyrus ochrus (L.) DC.
Lathyrus sp.
Laurus sp.
Lavandula angustifolia Mill.
Lavandula dentata L.
Lavandula sp.
Lavandula stoechas L.
Legousia speculum-veneris (L.) Chaix
Leontodon tuberosum L.
Leonurus cardiaca L.
Ligustrum vulgare L.
Limonium narbonense Mill.
Limonium sp.
Linaria purpurea (L.) Mill.
Linaria reflexa (L.) Desf.
Linum usitatissimum L.
Lithospermum sp.
Lomelosia cretica (L.) Greuter & Burdet
Lonas annua (L.) Vines & Druce
Lonicera etrusca Santi
Lotus corniculatus L.
Lotus cytisoides L.
Lotus tetragonolobus L.
Lycium chinense Mill.
Lycopus europaeus L.
Lysimachia nummularia L.
Lythrum junceum Banks & Sol.
Malva arborea (L.) Webb & Berthel.
Malva cretica Cav.
Matthiola tricuspidata (L.) R. Br.
Medicago intertexta (L.) Mill.
Medicago marina L.
Medicago orbicularis (L.) Bartal.
Medicago polymorpha L.
Medicago turbinata (L.) All.
Melampyrum arvense L.
Melampyrum sp.
Melilotus infestus Guss.
Melilotus italicus (L.) Lam.
Melissa officinalis L.
Melissa sp.
Melittis melissophyllum subsp. *albida* (Guss.) P. W. Ball
Mentha spicata L.
Mercurialis annua L.
Meum athamanticum Jacq.
Micromeria graeca (L.) Benth.
Micromeria juliana (L.) Benth. ex Rchb.
Micromeria sp.
Minuartia verna (L.) Hiern
Moricandia arvensis (L.) DC.
Myosotis sp.
Myrtus communis L.
Narcissus poeticus L.
Narcissus tazetta L.
Nepeta cataria L.
Nerium oleander L.
Nicotiana tabacum L.
Nigella damascena L.
Ochlopoa annua (L.) H. Scholz
Odontites luteus (L.) Clairv.
Oenanthe pimpinelloides L.
Omphalodes linifolia (L.) Moench
Ononis natrix L. subsp. *natrix*
Ononis natrix subsp. *ramosissima* (Desf.) Batt.
Ononis oligophylla Ten.
Ononis sp.
Orchis sp.
Origanum dictamnus L.
Origanum onites L.
Origanum vulgare L.
Orobanche rapum-genistae Thuill.
Osmunda regalis L.
Paeonia mascula (L.) Mill.
Paliurus spina-christi Mill.
Panicum sp.
Parentucellia latifolia (L.) Caruel
Paronychia argentea Lam.
Paronychia echinatus Chater
Pastinaca sativa L.
Pelargonium sp.
Persicaria maculosa (L.) Gray
Petasites pyrenaicus (L.) G. López
Peucedanum sp.
Phagnalon saxatile (L.) Cass.
Phagnalon sordidum (L.) Rchb.
Phlomis fruticosa L.
Phlomis herba-venti L.
Phoenix dactylifera L.
Phragmites australis (Cav.) Steud.
Phyla nodiflora (L.) Greene
Physalis alkekengi L.
Phytolacca americana L.
Picnomon acarna (L.) Cass.
Pinus halepensis Mill.
Pistacia lentiscus L.
Pistacia terebinthus L.
Pistacia vera L.
Pisum sativum L.
Plantago afra L.
Plantago coronopus L.
Plantago lagopus L.
Plantago major L.
Plantago sempervirens Crantz
Poa sp.
Polycarpon tetraphyllum (L.) L.
Polygala preslii Spreng.
Polygonum maritimum L.
Polygonum sp.
Potentilla sp.
Primula acaulis (L.) L.
Prunus mahaleb L.
Pulmonaria sp.
Quercus robur L.
Ranunculus bullatus L.
Ranunculus flammula L.

- Ranunculus* sp.
Reichardia picroides (L.) Roth
Reseda alba L.
Rhamnus catharticus L.
Ribes sp.
Ricinus communis L.
Rosa moschata Herrm.
Rubia peregrina L.
Rubia tinctorum L.
Rubus canescens DC.
Rubus sp.
Rumex bucephalophorus L.
Rumex lunaria L.
Rumex obtusifolius L.
Rumex sp.
Ruscus hypophyllum L.
Ruta chalepensis L.
Salicornia sp.
Salix sp.
Salsola oppositifolia Desf.
Salvia aethiopsis L.
Salvia fruticosa Mill.
Salvia officinalis L.
Salvia pratensis L. subsp. *pratensis*
Salvia sclarea L.
Salvia sp.
Salvia verbenaca L.
Sambucus ebulus L.
Sanguisorba minor Scop.
Sanicula europaea L.
Santolina chamaecyparissus L.
Saponaria officinalis L.
Sarcopoterium spinosum (L.) Spach
Satureja sp.
Saxifraga tridactylites L.
Scabiosa columbaria L.
Scandix pecten-veneris L.
Schinus molle L.
Scorzonera sp.
Scorzonera undulata subsp. *deliciosa* (Guss.)
Maire
Scrophularia nodosa L.
Scrophularia peregrina L.
Scutellaria columnae All.
Senecio sp.
Senecio vulgaris L.
Seseli tortuosum L.
Sideritis sp.
Silene dioica (L.) Clairv.
Silene sp.
Sisymbrium irio L.
Smilax aspera L.
Smyrniolum olusatrum L.
Smyrniolum perfoliatum subsp. *rotundifolium*
(Mill.) Bonnier & Layens
Solanum dulcamara L.
- Solanum linnaeanum* Hepper & P.-M. L.
Jaeger
Solanum sp.
Solidago virga-aurea L.
Sonchus bulbosus (L.) N. Killian & Greuter
Sonchus oleraceus L.
Sorbus aria (L.) Crantz
Sorbus aucuparia L.
Spergularia marina (L.) Griseb.
Spergularia rubra (L.) J. Presl & C. Presl
Sporobolus pungens (Schreb.) Kunth
Stachys ocymastrum (L.) Briq.
Stachys officinalis (L.) Trevis.
Stachys sp.
Styrax officinalis L.
Succisa pratensis Moench
Symphytum bulbosum K. F. Schimp.
Symphytum tuberosum L.
Tagetes erecta L.
Tanacetum balsamita L.
Tanacetum corymbosum (L.) Sch. Bip.
Tanacetum sp.
Tanacetum vulgare L.
Taxus baccata L.
Teucrium capitatum L.
Teucrium chamaedrys L.
Teucrium flavum L.
Teucrium fruticans L.
Teucrium polium L.
Thalictrum aquilegifolium L.
Thalictrum minus L.
Thalictrum sp.
Thymra capitata (L.) Cav.
Thymelaea hirsuta (L.) Endl.
Thymelaea passerina (L.) Coss. & Germ.
Thymus serpyllum L.
Thymus striatus Vahl
Tragopogon crocifolius L.
Trifolium arvense L.
Trifolium badium Schreb.
Tropaeolum majus L.
Tussilago farfara L.
Urtica dioica L.
Urtica sp.
Valerianella sp.
Verbascum blattaria L.
Verbascum sinuatum L.
Verbascum thapsus L.
Verbena officinalis L.
Veronica anagallis-aquatica L.
Veronica arvensis L.
Veronica sp.
Vicia melanops Sibth. & Sm.
Vinca major L.
Vincetoxicum hirundinaria Medik.
Viola arvensis Murray
Viola cf. *odorata* L.
- Viscum album* L.
Vitex agnus-castus L.
Vitis laciniosa L.
Withania somnifera (L.) Dunal
Xanthium strumarium L.
Xeranthemum inapertum (L.) Mill.
Zea mays L.
Ziziphus lotus (L.) Lam.