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## Floristic investigation of Lemnos island (NE Aegean area, Greece)

### Abstract

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Lemnos island and its 10 offshore islets belong to the Prefecture of Lesvos and biogeographically to the N Aegean area. In comparison with other islands of the N Aegean area, Lemnos is characterized by an intense horizontal relief, absence of limestone cliffs, low land formations (highest point 429 m), medium inclination and intense human interference (agriculture, stock farming) almost on the entire island. Including the data from the available literature and the authors' investigations, the flora of the area consists of about 681 plant taxa. The dominance of the Mediterranean elements and therophytes reflect the Mediterranean character of the Lemnos flora. Although its flora is rather poor, Lemnos conserves a high level ecological value based on the existence of a variety of different vegetation formations and habitat types such as wetlands, sand dunes, remnants of *Quercus ithaburensis* subsp. *macrolepis* forest and extended phryganic formations all over the island. The natural ecosystems (wetlands, sand dunes, etc.) have been degraded because of the intense human activities (extended agriculture, over-grazing, tourist facilities, etc.) and for this reason the adaptation of management measures is necessary for the conservation of the ecological value of the area.

### Introduction

The island of Lemnos has a special geographical, biogeographical and ecological position in the Aegean area: a) it is well isolated from the neighbouring large islands of Lesvos, Samothraki and Imbros, b) it is the southernmost of the N Aegean biogeographical subdivisions, and c) in contrast to most of the Aegean islands, Lemnos is not characterized by high altitudes and steep calcareous, rocky, coastal ecosystems but mainly by wetlands and a flat coastline, which contribute to the formation of an extensive net of wetlands and marshes.

Rechinger (1943) gives the first information on the flora of Lemnos, mentioning 196 taxa. A few years later, Rauh (1949) in his attempt to describe the plant communities of Lemnos added a few more taxa. When we started the floristic inventory of the island, almost 10 years ago, a total of 341 plant taxa were known from Lemnos due to the contribution of Economidou (1981) and Browicz (1991), who studied the origin of the *Quercus ithaburensis* subsp. *macrolepis* relict forest and the woody flora of the island, respectively. Yannitsaros & al. (2000), Biel (2000, 2002) as

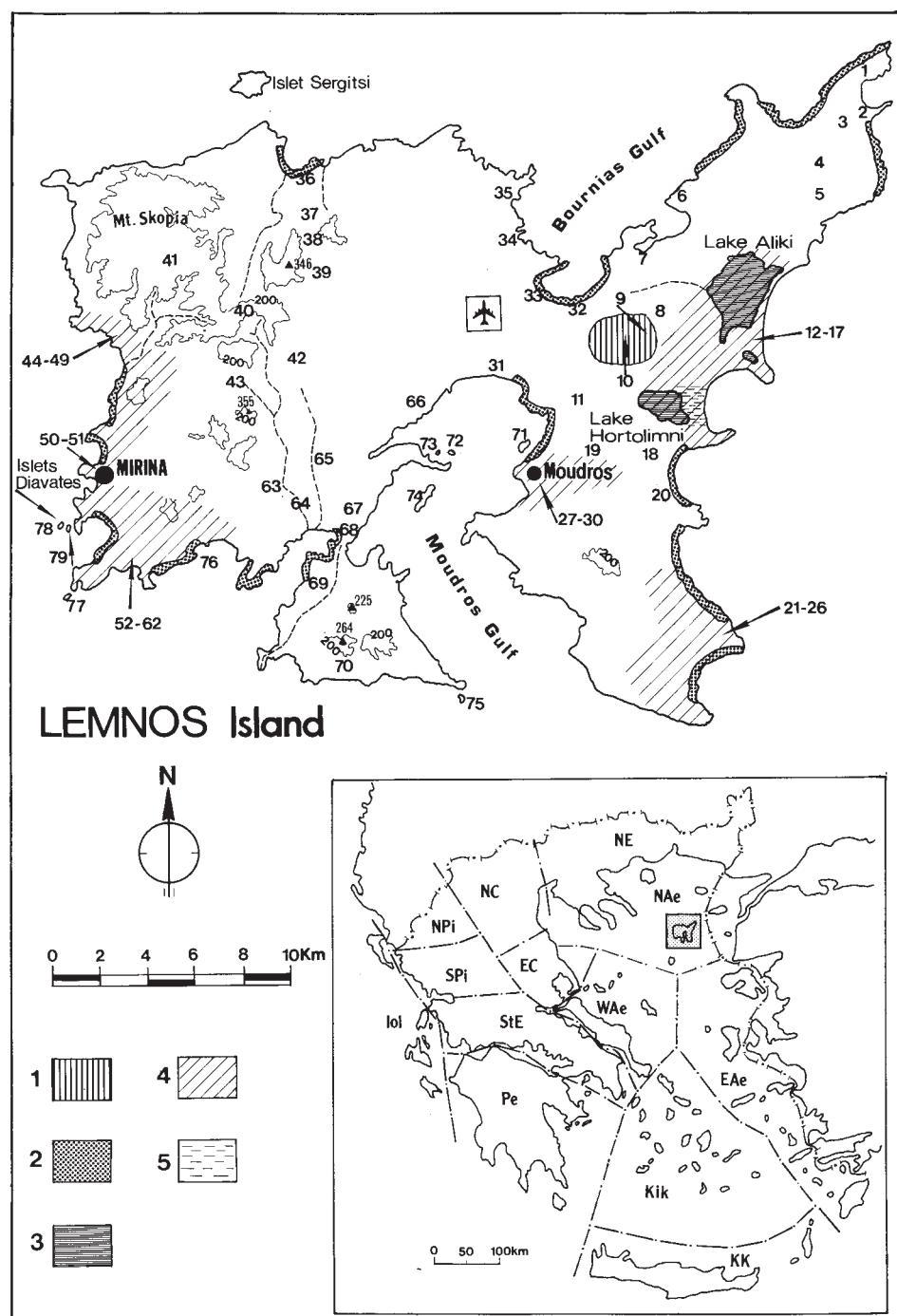


Fig. 1. Map of Lemnos Island – 1: *Quercus ithaburensis* subsp. *macrolepis* relict forest; 2: sand dunes; 3: lakes; 4: collecting locality (ties) grouped; 5: marshes.

well as Tan & al. (2002) added 34 more taxa to the flora of the island. As a result of the above-mentioned floristic investigations, a total of 374 plant taxa were reported from the island. In the framework of the present floristic study, nine small offshore islets have also been investigated for the first time.

### Geography

The island of Lemnos is situated in the N Aegean area, 70 km SE of the island of Thasos and almost in an equal distance NW of the island of Lesvos. At a little shorter distances are situated the islands of Hagios Efstratios to the S, Imbros (Imroz) and Samothraki to the NNE and the peninsula of Athos to the WNW (Fig. 1).

Lemnos belongs to the Prefecture of Lesvos and occupies a surface of 482 km<sup>2</sup>. Unlike other large Aegean islands, low altitude hills (maximum 429 m) and a more or less gentle topography characterize the main island. This gentle topography is mainly due to the absence of calcareous rocky ecosystems from most of the island and to the predominance of volcanic, schist and psammitic formations.

The climate of the area is subhumid or almost semi-arid, with a mean annual precipitation of c. 500 mm. Frequent winds, blowing mainly from N or NE, contribute to the dry climate of the island (Economidou 1981, Browicz 1991).

Little off the coast of Lemnos are ten small islets. Nine of them, Diabates (two islets), Tigani, Ilias, Kombi, Koukonisi, Ag. Nikolaos (two islets) and Alogonisi, are situated in the S or SW of the main island and only one (islet Sergitsi) in the N (Fig. 1). The nine first mentioned islets were floristically investigated in the scope of the present study and all are characterized by their small degree of isolation from the main island (small distance from the coast and shallow sea water) and a topography and geology like the main island. The northern islet Sergitsi, lying far away from a village or even a very small port, has not been studied because the weather conditions did not permit a visit to this islet by boat during our fieldwork in the area.

### Material and methods

In the present study, new floristic data for Lemnos and its offshore islets are based on collections and field observations made by the authors on their repeated botanical exploration in the area during the years 1989-97 (see Codes of collecting localities & Fig. 1). Taxa mentioned by Rechinger (1943), Economidou (1981), Browicz (1991), Yannitsaros & al. (2000), Biel (2000, 2002) and Tan & al. (2002) are also included in the plant list, after the necessary nomenclatural modifications and, where possible, taxonomic revisions. In the vascular plant inventory, families, genera and species are in alphabetic order and for each taxon information regarding the collector(s), the site and season of the collection are given (see Vascular plant inventory & Fig. 1, for collecting localities and their code numbers see Codes of collecting localities). Our own collections are deposited at Patras (UPA) and Lund (LD). For the determination of plant material not well known by the authors, Tutin & al. (1968-80, 1993) was mainly used, but Davis (1965-85), as well as the first volume of "Flora Hellenica" (Strid & Tan 1997) were also consulted. The nomenclature and distribution range of the taxa is in most cases according to Tutin & al. (1968-80) and where available, to Greuter & al. (1984-89). Chorological types and life-form categories (see Tables 2-3) are based on Pignatti (1982) and Raunkjaer (1934), respectively.

### Results and discussion

The results of our fieldwork and our critical evaluation of the data available from the literature revealed that the vascular plant flora of Lemnos and its offshore islets consists of 681 taxa. 306 of them are new records for the island of Lemnos. The 121 taxa reported from the nine offshore islets can also be considered as new records since they have been explored floristically for the first time. The total number of 681 taxa is unusually low compared to other Greek islands with a

Table 1. Land surface, number of plant taxa and percentage of Greek endemics of some Aegean islands.

Island	Surface (km <sup>2</sup> )	Number of plant taxa	Percentage of endemics	Authors
Lemnos	482	681	1.5	
Samothraki	178	977	2.6	Strid & Tzanoudakis 1998
Samos	476	1056	3.7	Christodoulakis 1986
Ikaria	255	829	4.9	Christodoulakis 1996
Kythera	300	723	5.7	Greuter & Rechinger 1967, Yannitsaros 1969, Iatrou 1994
Antikythera	20	346	7.4	Tzanoudakis & al. 1997, unpublished data

comparable or even smaller size (Table 1). Possibly, this is related to the geomorphology of the island (low elevations, almost total absence of limestone cliffs), causing a low ecological diversity. For the same reasons, as well as for their low degree of isolation from the main island, the nine small offshore islets studied do not contribute much to the floristic diversity of the area. Only four trivial of the total of 121 taxa found on the nine islets have not been registered from the main island. The absence of an “islet specialist” floristic element may, however, also be the result of continuous and intense human interference (grazing, fires and camping), both in the main island and the offshore islets. All these factors seem to affect significantly the qualitative characteristics of the flora, i.e., the chorological and the biological spectra (Tables 2-3).

The chorological spectrum of the area studied is characterized by a very low representation of endemics (1.5 %). Only one taxon is endemic to Lemnos, viz. *Erysimum rechingeri*, and *Carduus taygeteus* subsp. *insularis* is the only taxon with a distribution range restricted to the N Aegean area (Lemnos and Samothraki). The Greek endemics include the following eight taxa: *Silene grisebachii*, *Crocus cartwrightianus*, *Anthemis wernerii* subsp. *wernerii*, *Consolida arenaria*, *Limonium ocytoides*, *Malcolmia macrocalyx*, *Scorzonera crocifolia* and *Allium sphaerocephalon* subsp. *aegaeum*. The Mediterranean element predominates (55.8 %) with an important participation of the Eurytemperate unit.

In the biological spectrum of the flora of Lemnos the therophytes predominate with about 55 %, followed by the hemicryptophytes (21.1 %), geophytes (10.7 %), phanerophytes (8.2 %), chamaephytes (5.0 %) and hydrophytes (1.2 %) (Table 3). The very high percentage of therophytes seems to be related not only to the climate but also to the mismanagement and degradation of the natural habitats. Rauh (1949) and Browicz (1991) pointed out that the inhabitants “brought lowlands and moderate slopes under cultivation and allowed steeper slopes to be overgrazed by sheep and goats. Trees have been cut for fuel and when they were no longer available, shrubs were used for the same purpose, pulled out even with their roots. ... The grazing has eliminated many species and at the same time, led to the expansion of plants unsuited for fodder – foul tasting, poisonous and very prickly and of various weeds”. It is well known from the literature (Navieh 1974, Arianoutsou & Margaris 1981, Barbero & al. 1990, Panitsa & al. 1994, Panitsa & Tzanoudakis 1998, etc.) that high percentages of therophytes and leguminous species are indicators of disturbance in Mediterranean ecosystems. This also holds true for Lemnos where the percentage of leguminous species is 12.6 % (86 taxa).

The geographical and other factors responsible for the low floristic diversity of Lemnos and its offshore islets obviously also play a significant role regarding the vegetation. Lemnos conserves, on the one hand, a high-level ecological value, based on the existence of a variety of vegetation formations and habitat types. On the other hand, the natural ecosystems have been considerably degraded. Even phryganic formations, which are dominant in the NW of the island, are poor in their floristic composition. *Sarcopoterium spinosum* communities dominate, suggesting mismanagement by the well-known traditional method that combines burning and subsequent intense grazing.

Table 2. Chorological spectrum of the Lemnos island flora.

Chorological unit	Chorological groups (based on Pignatti 1982)	No of plant taxa	Percentage
Widespread	Trop. Amer., Eurymedit.-Turan., Nordamer., Circumbor., S Europ.-W Asiat., Euras., Europ.-Caucas., Europ.-C Siber., E Medit.-Turan., Submedit.-Subatl., Saharo-Sind., SE Europ.-Pont., SE Europ., E Medit.-Caucas., Submedit.-Subatl., S Europ., Medit.-Macaron., Stenomedit.-N Orient., Europ., Paleosubtrop., Medit.-Irano-Anatol., Medit.-Saharo-Sind., S Medit.-Macaron., Cosmop., Subcosmop., Paleotemp., Medit.-Atl., etc.	290	
Mediterranean	Eurymedit.	154	
	Stenomedit.	130	
	W Medit.	2	55.8
	S Medit.	4	
	E Medit.	89	
	Balkan	2	
Endemic	Greek	8	
	N Aegean	1	1.5
	Local	1	

The degradation of the natural ecosystems is also evident in many other parts of the island, where large hilly areas are dominated by *Asphodelus ramosus*, which is also considered an indication of degradation.

The coastal vegetation is in an analogous situation since the important sand dunes with *Amphibolia arenaria*, *Pancratium maritimum*, *Otanthus maritimus* and *Centaurea spinosa* have been very much restricted by agriculture, uncontrolled road constructions and buildings for tourist facilities. There are, however, still sand dunes in a very good condition as those at Hagios Ioannis, Hagios Sozon and Evraeokastro.

The situation is similar for the extensive wetlands of the main island. Although their total surface has been decreased by human interferences (e.g., the construction of the airport several years ago), most of them are well conserved, viz. the small lake between the villages Tsimandria and Diapori, the small wetland at NE of the village Kontias and those in the E of the island (Alyki and Hortolimni). Some interesting and representative wetland species are found there, such as *Juncus acutus*, *J. littoralis*, *J. subulatus*, *J. gerardii*, *Carex distans*, *C. divisa*, *Bolboschoenus glaucus*, *B. maritimus*, *Eleocharis palustris*, *E. uniglumis*, *Scirpoides holoschoenus*, *Puccinellia festuciformis*, *Isolepis cernua*, etc.

In the interior of the island the natural vegetation is, except for the phryganic formations, represented by some small shrubby formations with *Quercus coccifera* in areas that have not been cultivated or overgrazed. The importance of the only relict forest of *Quercus ithaburensis* subsp. *macrolepis*, between the villages of Repanidi-Kotsinas and Kontopouli, should be underlined (see also Economidou 1981, Browicz 1991). Rauh (1949) attributes the absence of tree vegetation to the frequent, strong NE winds. Economidou (1981) in contrast, emphasises that forests are present in other Aegean islands in spite of similar wind regimes. Therefore, the degradation of the natural vegetation and the restriction of the tree vegetation of Lemnos is more likely caused by the intense human interference.

The two wetlands, located in the eastern part, are of special ecological interest and have been included in the “Natura 2000” network. They are situated in the coastal zone and in close proximity.

Table 3. Life form spectrum of Lemnos island flora.

Biological types	No of taxa	Percentage
<b>Phanerophytes (P)</b>		8.2
MP: <i>Mega-p.</i>	1	
NP: <i>Nano-p.</i>	24	
Pscap: <i>scapose p.</i>	10	
Pcaesp: <i>caespitose p.</i>	17	
Plian: <i>lianose p.</i>	1	
Nscand: <i>Nano-scandent</i>	3	
<b>Chamaephytes (C)</b>		5.0
Cfrut: <i>fruticose c.</i>	10	
Csuffr: <i>suffruticose c.</i>	22	
Crept: <i>reptant c.</i>	2	
<b>Hemicryptophytes (H)</b>		21.1
Hscap: <i>scapose h.</i>	84	
Hcaesp: <i>caespitose h.</i>	28	
Hros: <i>rosulate h.</i>	13	
Hbienn: <i>biennial h.</i>	18	
Hrept: <i>reptant h.</i>	1	
<b>Geophytes (G)</b>		10.7
Grhiz: <i>rhizomatose g.</i>	31	
Gbulb: <i>bulbose g.</i>	42	
<b>Therophytes (T)</b>		53.8
Tscap: <i>scapose t.</i>	342	
Tcaesp: <i>caespitose t.</i>	7	
Tros: <i>rosulate t.</i>	5	
Trept: <i>reptant t.</i>	8	
Tpar: <i>parasite t.</i>	5	
<b>Hydrophytes (Hyd)</b>		1.2
Hydrad: <i>radicose hyd.</i>	8	

Table 4. Habitat types on Lemnos; Natura 2000 code with asterisk denotes its priority for protection.

Natura 2000 code	Habitat type
1110	Sandsbanks slightly covered by sea water all the time
1120*	<i>Posidonia</i> beds
1150*	Lagoons
1170	Reefs
1310	<i>Salicornia</i> and other annuals colonizing mud and sand
1410	Mediterranean salt meadows ( <i>Juncetalia maritimii</i> )
1420	Mediterranean and thermo-Atlantic halophilous scrubs ( <i>Arthrocnemetalia fruticosae</i> )
1510*	Salt steppes ( <i>Limonietalia</i> )
2120	Shifting dunes along the shoreline with <i>Ammophila arenaria</i>
2195	Dune-slack reedbeds and sedgebeds
2260	Dune sclerophyllous scrubs ( <i>Cisto-Lavanduletalia</i> )
3290	Intermittently flowing Mediterranean rivers
5420	Aegean phrygana ( <i>Sarcopoterium spinosum</i> )
6220*	Pseudosteppe with grasses and annuals (Thero-Brachypodietea)
9350	<i>Quercus ithaburensis</i> subsp. <i>macrolepis</i> forests
–	Reed thickets
–	<i>Pancratium maritimum</i> biotopes

mity to each other. The first one, Alyki, is a shallow salt lagoon, during the rainy season accessible only with difficulties and covered by seawater for the most part. The other one, Hortolimni, is a seasonal, brackish marsh, dried out most of the year. When there is no water, Alyki and Hortolimni form an extended salt meadow, the sea facing edges being devoid of vegetation due to the strong winds. The meadow is occupied by salt scrubs intermixed with swards of *Arthrocnemum*. These wetlands have retained their naturalness in an excellent state. Due to its geographical position this site is of great significance for the avifauna and has been characterized as "Important Bird Area" at an international scale since several migratory species use it as a nesting place.

A total of fifteen habitat types of the Annex I of the Directive 92/43-EEC have been reported for Lemnos, of which four are of priority for protection (Table 4). Two other habitats, which are not included in the Annex I but are important exactly because they are too much restricted by human activities, are the biotopes of *Pancratium maritimum* and the reed thickets.

#### **Codes of the collecting localities**

- 1) Evraeokastro, 13.11.96, *Panitsa & Arampatzis*; 5.3.1997, *Tzanoudakis & Arampatzis*.
- 2) The coast N of Plaka, lat. 40.01, long. 25.25, 23.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 30.4.1997, *S. & B. Snogerup*.
- 3) Plaka, in fields, alt. 20 m, 13.11.96, *Panitsa & Arampatzis*.
- 4) N of Panagia, phryganic formations, 23.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 5) NE of Panagia, in sand fields, lat. 39.59, long. 25.24, alt. 100 m, 30.4.1997, *S. & B. Snogerup*.
- 6) Kaveiron, ancient monuments, 13.11.96, *Panitsa & Arampatzis*.
- 7) Hyfaisteia, 13.11.96, *Panitsa & Arampatzis*.
- 8) Kondopouli, street margin, lat. 39.55, long. 25.19, alt. 50 m, 30.4.1997, *S. & B. Snogerup*.
- 9) Between Repanidi and Kondopouli, open oak forest with fields, lat. 39.55, long. 25.18, alt. 40 m, 23.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 13.11.96, *Panitsa & Arampatzis*; 5.5.1997, *S. & B. Snogerup*; 31.5.1997, *Panitsa & Dimopoulos*.
- 10) Between Romanou and Kondopouli, 23.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 13.11.1996, *Panitsa & Arampatzis*.
- 11) N of Romanou, volcanic rocks, 23.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 5.3.1997, *Tzanoudakis & Arampatzis*.
- 12) The SW side of Limni Aliki, lat. 39.56, long. 25.21, alt. 40 m, 23.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 5.5.1997, *S. & B. Snogerup*; 1.6.1997, *Panitsa*.
- 13) N of Ag. Giannis coast, 25.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 14) Coast Ag. Giannis, along a small rivulet, 25.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 1.6.1997, *Panitsa & Dimopoulos*.
- 15) Coast Ag. Giannis, sand dunes, 25.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 1.6.1997, *Panitsa & Dimopoulos*.
- 16) Coast Keros, 31.5.1997, *Panitsa & Dimopoulos*.
- 17) The NE shore area of Hortolimni, lat. 39.54, long. 25.20, 27.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 7.5.1997, *S. & B. Snogerup*; 31.5.1997, *Panitsa & Dimopoulos*.
- 18) S of Roussopouli near the main road, lat. 39.52, long. 25.18, alt. 100 m, 1.5.1997, *S. & B. Snogerup*.
- 19) W of Rousopouli towards Poliochni, 70 m, 13.11.1996, *Panitsa & Arampatzis*.
- 20) Poliochni, lat. 39.51, long. 25.20, alt. 20 m, 3.5.1997, *S. & B. Snogerup*.
- 21) N of Sofia, near the windmill ruins, sandy soil, lat. 39.50 long. 25.19, alt. 50-100 m, 1.5.1997, *S. & B. Snogerup*.
- 22) NW of Fisini, sandy fields, lat. 39.49, long. 25.20, alt. 50 m, 1.5.1997, *S. & B. Snogerup*.
- 23) SW of Fisini, lat. 39.48, long. 25.20, alt. 20 m, 25.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 1.5.1997, *S. & B. Snogerup*.
- 24) Seashore W of Ag. Sozon, lat. 39.48, long. 25.21, alt. 0-10 m, 3.5.1997, *S. & B. Snogerup*; 31.5.1997, *Panitsa & Dimopoulos*.

- 25) Ag. Sozon, phrygana, lat. 39.48, long. 25.21, alt. 40 m, 1.5.1997, *S. & B. Snogerup*.
- 26) From Scandali to Moudros, 25.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 27) Moudros, 1.2 km N of the harbour, lat. 39.52, long. 25.15, alt. 0-10 m, 28.4.1997, *S. & B. Snogerup*.
- 28) Moudros, N of the harbour, lat. 39.52, long. 25.15, alt. 0-10 m, 28.4.1997, *S. & B. Snogerup*.
- 29) Moudros, in the village, lat. 39.52, long. 25.15, 10.5.1997, *S. & B. Snogerup*.
- 30) Moudros coast, lat. 39.52, long. 25.15, 23.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 31) Small wetland at the crossroad to Romanou and airport, 13.11.1996, *Panitsa & Arampatzis*; 1.6.1997, *Panitsa & Dimopoulos*.
- 32) Coast Kotsina, 23.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 33) Coast Varos, Ormos Bournias, 27.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 34) Ag. Ermolaos, 27.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 14.11.1996, *Panitsa & Arampatzis*; 6.3.1997, *Tzanoudakis & Arampatzis*; 3.6.1997, *Panitsa*.
- 35) Propouli, 26.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 14.11.1997, *Panitsa & Arampatzis*.
- 36) Coast Gomati, N of Katalakko, lat. 39.59, long. 25.09, 6.3.1997, *Tzanoudakis & Arampatzis*; 8.5.1997, *S. & B. Snogerup*; 3.6.1997, *Panitsa*.
- 37) Katalakko, 14.11.1996, *Panitsa & Arampatzis*.
- 38) Between Dafni and Katalakko, 14.11.1996, *Panitsa & Arampatzis*.
- 39) E of Sardes near the road to Dafni, lat. 39.56, long. 25.09, alt. 150 m, 26.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 15.11.1996, *Panitsa & Arampatzis*; 8.5.1997, *S. & B. Snogerup*.
- 40) W of Sardes, 6.3.1997, *Tzanoudakis & Arampatzis*.
- 41) Karvounolakkos, 26.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 42) 2.5 km W of Ag. Dimitrios, lat. 39.54, long. 25.07, alt. 150 m, 29.4.1997, *S. & B. Snogerup*.
- 43) Profitis Ilias, 24.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 44) Coast Kalogeros, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 45) NW of Kaspakas at Ormos Kaspakas, lat. 39.55, long. 25.03, 26.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 14.11.1996, *Panitsa & Arampatzis*; 6.3.1997, *Tzanoudakis & Arampatzis*; 4.5.1997, *S. & B. Snogerup*; 1.6.1997, *Panitsa & Dimopoulos*.
- 46) Coast Panagia (Kaspakas) to Prassa, 6.3.1997, *Tzanoudakis & Arampatzis*.
- 47) N of Porto-Mirina, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 48) Towards OTE, alt. 150 m, 6.3.1997, *Tzanoudakis & Arampatzis*.
- 49) Ag. Athanasios, 320 m, 13.11.1996, *Panitsa & Arampatzis*.
- 50) Mirina, street margin, lat. 39.52, long. 25.03, alt. 20 m, 8.5.1997, *S. & B. Snogerup*.
- 51) Mirina, Kastro, lat. 39.52, long. 25.03, alt. 80 m, 24.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 30.4.1997, *S. & B. Snogerup*.
- 52) Old road to Therma, 24.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 53) Near Plati village, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 54) Coast Plati, 24.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*.
- 55) Between Plati and Thanos, alt. 100 m, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 56) Between Plati and Tigani, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 57) Tigani, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 58) W of the village Thanos, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 59) Thanos village, fields, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 60) SE of Thanos, lat. 39.51, long. 25.05, alt. 100 m, 6.5.1997, *S. & B. Snogerup*.
- 61) Coast Thanos, rocks, 5.3.1997, *Tzanoudakis & Arampatzis*.
- 62) Ormos Ag. Pavlos, lat. 39.51, long. 25.10, alt. 50 m, 6.5.1997, *S. & B. Snogerup*.
- 63) NE of Kontias, E slope of the hill, lat. 39.52, long. 25.09, alt. 10-50 m, 24.5.1989, *Tzanoudakis, Panitsa & Dimopoulos*; 6.5.1997, *S. & B. Snogerup*.
- 64) Between Kontias and Diapori, lat. 39.51, long. 25.10, alt. 0-5 m, 1.5.1997, *S. & B. Snogerup*; 5.3.1997, *Tzanoudakis & Arampatzis*.

- 65) W of Portianou, lat. 39.52, long. 25.10, alt. 50 m, 6.5.1997, S. & B. Snogerup.
- 66) Coast Koutali, Achivadolimni, 3.6.1997, *Panitsa*.
- 67) Between Tsimandria and Diapori, shores of the small lake, lat. 39.51, long. 25.10, alt. 0-10 m, 9.5.1997, S. & B. Snogerup; 3.6.1997, *Panitsa*.
- 68) Diapori, coast, lat. 39.51, long. 25.10, alt. 0-10 m, 9.5.1997, S. & B. Snogerup.
- 69) Between Diapori and Stavros, 24.5.1989, *Tzanoudakis*, *Panitsa* & *Dimopoulos*; 5.3.1997, *Tzanoudakis* & *Arampatzis*; 3.6.1997, *Panitsa*.
- 70) Phakos, 24.5.1989, *Tzanoudakis*, *Panitsa* & *Dimopoulos*.
- 71) Islet Koukonisi, 31.5.1997, *Xeronii*, *Panitsa* & *Dimopoulos*.
- 72) Islets Ag. Nikolaos, Trachili, the larger one, 31.5.1997, *Panitsa* & *Dimopoulos*.
- 73) Islets Ag. Nikolaos, Trachili, the small one, 31.5.1997, *Panitsa* & *Dimopoulos*.
- 74) Islet Alogonisi or Lagonisi, 31.5.1997, *Panitsa* & *Dimopoulos*.
- 75) Islet Kombi, 31.5.1997, *Panitsa* & *Dimopoulos*.
- 76) Islet Ilias, 2.6.1997, *Panitsa*.
- 77) Islet Tigani, 2.6.1997, *Panitsa*.
- 78) Islets Diabates, the east one, 2.6.1997, *Panitsa*.
- 79) Islets Diabates, the west one, 2.6.1997, *Panitsa*.

*Abbreviations.* – For locality numbers see Codes of the collecting areas, above and Fig. 1; abbreviations of chorological types see Table 2; abbreviations of biological types see Table 3.  
Re: Rechinger 1943; Br: Browicz 1991

### Vascular plant inventory of Lemnos and its offshore islets

#### *PTERIDOPHYTA*

##### *Equisetaceae*

*Equisetum ramosissimum* Desf. – Grhiz, Circumbor.; 22

##### *Adiantaceae*

*Anogramma leptophylla* (L.) Link – Tcaesp, Cosmop.; 39, 43, 45

##### *Aspleniaceae*

*Asplenium ceterach* L. – Hros, Paleotemp.; 43

*Asplenium obovatum* Viv. – Hros, Stenomedit.; Biel (2002)

##### *Dennstaedtiaceae*

*Pteridium aquilinum* (L.) Kuhn – Grhiz, Cosmop.; 38, 39, 62 (Re)

##### *Polypodiaceae*

*Polypodium vulgare* L. s.l. – Hros, Circumbor.; 52 (Re)

*Polypodium cambricum* L. – Hros, Eurymedit.; 10, 45, 63

##### *Selaginellaceae*

*Selaginella denticulata* (L.) Link – Crept, Eurymedit.; 45, 63

#### *GYMNOSPERMAE*

##### *Cupressaceae*

*Cupressus sempervirens* L. – Pscap, Eurymedit.; 1, 52

##### *Ephedraceae*

*Ephedra foeminea* Forssk. – NP, E Medit.; 6, 45, 52

##### *Pinaceae*

*Pinus halepensis* subsp. *brutia* (Ten.) Holmboe – NP, E Medit.; 28, 63

**ANGIOSPERMAE****DICOTYLEDONES****Acanthaceae**

*Acanthus spinosus* L. – Hscap, Stenomedit.-Orient.; 26

**Aizoaceae**

*Mesembryanthemum nodiflorum* L. – Tscap, Eurymedit.; 71, 76, 79

**Amaranthaceae**

*Amaranthus albus* L. – Tscap, Nordamer.; 52

*Amaranthus deflexus* L. – Tscap, Trop. Amer.; 51 (Re 1384 (BM, LD, WU)

**Anacardiaceae**

*Pistacia atlantica* Desf. – Pcaesp/P, Eurymedit.; 42 (Br, only one tree)

**Apocynaceae**

*Nerium oleander* L. – Pcaesp, Stenomedit.; 23, 39, 42, 45

*Trachomitum venetum* subsp. *sarmatiense* (Woodson) Avet. – Grhiz, Subsiber. (steppic); 12  
(Yannitsaros & al. 2000)

**Araliaceae**

*Hedera helix* L. – Nscand, Medit.-Atl.; 45

**Asclepiadaceae**

*Asclepias fruticosa* L. [= *Gomphocarpus fruticosus* (L.) Aiton f.] – Pcaesp, S Afr.; S of Kami-  
nia near village, very rare (Browicz 1991)

*Cionura erecta* Griseb. – Csuffr, E Medit.; 11, 52 (Br), Re

*Cynanchum acutum* L. – Hscap, Eurymedit.; 12

**Berberidaceae**

*Leontice leontopetalum* L. – Grhiz, E Stenomedit.-Turan.; 28, 42

**Boraginaceae**

*Alkanna tinctoria* Tausch – Hscap, Stenomedit.; 2, 15

*Anchusa hybrida* Ten. – Hscap, Stenomedit.; 1, 10, 12, 24, 28, 43, 54

*Anchusa italicica* Retz. – Hscap, Eurymedit.; Biel (2002)

*Buglossoides arvensis* (L.) I. M. Johnst. subsp. *arvensis* – Tscap, Eurymedit.; 15, 27

*Echium italicum* subsp. *biebersteinii* (Lacaita) Greuter & Burdet – Tscap, Eurymedit.; 39, 51  
(Re), 62

*Echium plantagineum* L. – Tscap, Eurymedit.; 11, 28, 39, 42, 51, 74, 78

*Heliotropium europaeum* L. – Tscap, Eurymedit.-Turan.; 10

*Heliotropium hirsutissimum* Grauer – Tscap, E Medit.; 51, 59

*Myosotis incrassata* Guss. – Tscap, E Medit.; 10, 21, 39, 42

*Myosotis ramosissima* Rochel – Tscap, Paleotemp.; 18, 21, 28, 42

*Neatostema apulum* (L.) I. M. Johnst. – Tscap, Stenomedit.; 21

**Callitrichaceae**

*Callitricha stagnalis* Scop. – Hydrad, Euras.; 42

**Campanulaceae**

*Campanula erinus* L. – Tscap, Stenomedit.; 12, 25

*Legousia pentagonia* (L.) Druce – Tscap, E Medit.; 58 (Re)

*Legousia speculum-veneris* (L.) Chaix – Tscap, E Medit.; 39

**Capparaceae**

*Capparis spinosa* subsp. *rupestris* (Sm.) Nyman – NP, Eurymedit.; 11, 63 (Br), 75

***Caprifoliaceae***

- Lonicera etrusca* Santi – Nscand, Eurymedit.; 39, 45, 52, 63  
*Sambucus ebulus* L. – Grhiz, Eurymedit.; 45  
*Sambucus nigra* L. – Pcaesp, Europ.-Caucas.; mentioned by Rauh (1949) without locality,  
 39°56'N, 25°12'E (Br 1991)

***Caryophyllaceae***

- Agrostemma githago* L. – Tscap, Europ.-C Siber.; 51 (Re)  
*Arenaria leptoclados* (Rchb.) Guss. – Tscap, Paleotemp.; 1, 12, 21  
*Cerastium comatum* Desv. – Tscap, E Medit.; 21, 51 (Re)  
*Cerastium fontanum* Baumg. – Hscap, Circumbor.; 9, 12  
*Cerastium glomeratum* Thuill. – Tscap, Subcosmop.; 17, 28, 31, 69, 74, 75  
*Cerastium pumilum* Curtis – Tscap, Eurymedit.; 21, 28, 42, 60  
*Cerastium semidecandrum* L. – Tscap, Cosmop.; 23  
*Dianthus diffusus* Sm. (= *D. glutinosus* Boiss. & Heldr.) – Hscap, E Aegean-W Anatol.; 28 (Re),  
 51(Re); Rechinger 1943 lists *D. corymbosus* Sm. as a synonym of *D. glutinosus*  
*Dianthus monadelphus* subsp. *pallens* (Sm.) Greuter & Burdet – Hscap, E Medit.-Turan.; 9, 39,  
 49(Re), 74, 75  
*Dianthus pinifolius* Sm. – Hscap, Balkan.; 51(Wagner 294, G)  
*Herniaria cinerea* DC. – Tscap/Hcaesp, Paleotemp.; Biel (2002)  
*Herniaria hirsuta* L. – Tscap, Paleotemp.; 9, 20, 21, 45, 51 (Re)  
*Holosteum umbellatum* L. – Tscap, Paleotemp.; 59, 60, 78  
*Moenchia erecta* (L.) P. Gaertn. & al. – Tscap, Submedit.-Subatl.; 9  
*Moenchia mantica* (Torn.) Bartl. – Tscap, N Medit.; Biel (2002)  
*Paronychia macrosepala* Boiss. – Hcaesp, E Medit.; 23, 24, 42, 51 (Re), 52, 57  
*Petrorhagia dubia* (Raf.) G. Lopez & Romo – Tscap, Eurymedit.; 11, 45, 52, 74, 79  
*Polycarpon tetraphyllum* (L.) L. – Tscap, Stenomedit.; 21, 41, 51 (Re)  
*Sagina apetala* Ard. – Tscap, Eurymedit.; 9  
*Sagina maritima* G. Don – Tscap, Medit.-Atl.; 28, 51 (Re)  
*Scleranthus verticillatus* Tausch – Tscap/H, Medit.-Atl.; 18  
*Silene colorata* Poir. – Tscap, Stenomedit.; 11, 12, 28, 46, 47, 51, 56  
*Silene conica* L. – Tscap, Paleotemp.; 24  
*Silene cretica* L. – Tscap, Stenomedit.; 42, 45  
*Silene dichotoma* Ehrh. – Tscap, Pont.; 42, 46, 62 (Re, *S. dichotoma* subsp. *racemosa* Graebn. &  
 P. Graebn.)  
*Silene gallica* L. – Tscap, Subcosmop.; 9, 42, 63  
*Silene grisebachii* (Davidov) Pirker & Greuter – Tscap, N Aegean, Magnisia peninsula & Tha-  
 sos; 2  
*Silene italica* (L.) Pers. subsp. *italica* – Hros, Eurymedit.; 39, 43, 44, 45, 46, 47, 51, 57  
*Silene vulgaris* subsp. *macrocarpa* Turrill – Hscap, Stenomedit.; 45, 47, 48, 49, 51 (Re, *S. cu-  
 balus* Wibel)  
*Spergula arvensis* L. – Tscap, Subcosmop.; 9, 69  
*Spergula pentandra* L. – Tscap, Submedit.-Subatl.; 47 (Jeavons 7984, ATH)  
*Spergularia bocconeii* (Scheele) Graebn. – Tscap, Subcosmop.; 1, 24, 36, 50, 55, 70, 74, 79 (Re  
 1314, as *S. rubra* J. Presl & C. Presl)  
*Spergularia maritima* (All.) Chiov. – Tscap, Subcosmop.; 2, 24  
*Spergularia salina* J. Presl & C. Presl – Tscap, Temp.; 12, 24, 66, 68  
*Stellaria media* (L.) Vill. – Trept, Cosmop.; 17  
*Stellaria pallida* (Dumort.) Crép. – Tscap, Paleotemp.; 2, 53, 59  
*Velezia rigida* L. – Tscap, Medit.-Turan.; 52

***Chenopodiaceae***

- Arthrocnemum macrostachyum* (Moric.) K. Koch – Csucc, Stenomedit.; 1, 12, 28  
*Atriplex portulacoides* L. – Cfrut, Paleotemp.; 26, 30, 31, 64, 71, 72, 73, 76, 77, 78, 79

- Atriplex prostrata* DC. – Tscap, Paleotemp.; 1, 5, 24  
*Beta maritima* L. – Hscap, Medit.-Atl.; 10, 30, 32, 45, 51 (Re), 71, 72, 74, 75, 77  
*Chenopodium murale* L. – Tscap, Subcosmop.; 51 (Re), 65, 72  
*Halocnemum strobilaceum* (Pall.) M. Bieb. – Csucc, S Medit.; 28 (Br.)  
*Salsola kali* L. – Tscap, Paleotemp.; 2, 5, 51 (Re)  
*Suaeda maritima* (L.) Dumort. – Tscap, Cosmop.; 1, 2, 5

#### *Cistaceae*

- Cistus creticus* L. – NP, Stenomedit.; 9, 10, 23, 25  
*Cistus parviflorus* Lam. – NP, E Medit.; 44  
*Cistus salviifolius* L. – NP, Stenomedit.; 21, 39  
*Fumana thymifolia* (L.) Webb – Csuffr, Stenomedit.; 25  
*Helianthemum salicifolium* (L.) Mill. – Tscap, Eurymedit.; 21  
*Tuberaria guttata* (L.) Fourr. – Tscap, Eurymedit.; 21

#### *Compositae*

- Aethorhiza bulbosa* (L.) Cass. subsp. *bulbosa* – Gbulb, E Medit.; 1, 2, 14, 15, 16, 21, 75  
*Anthemis auriculata* Boiss. – Tscap, E Medit.; 45, Re  
*Anthemis cotula* L. – Tscap, Eurymedit.; 11  
*Anthemis tinctoria* L. – Hbienn, C Europ.-Pont.; 4, 39  
*Anthemis tomentosa* L. – Tscap, E Medit.; 36  
*Anthemis wernerii* Stoj. & Acht. subsp. *wernerii* – Tscap, Greek endemic; 24, 31, 36, 51, 66, 72, 73, 76, 77, 78, 79  
*Asteriscus aquaticus* (L.) Less. – Tscap, Stenomedit.; 12, 35  
*Asteriscus spinosus* (L.) Sch. Bip. – Tscap, Eurymedit.; 25, 32, 51, 75  
*Aster tripolium* L. s.l. – Hbienn, Euras.; 12 (Yannitsaros & al. 2000), 66 (Yannitsaros & al. 2000)  
*Bellis annua* L. – Tscap, Stenomedit.-Macaron.; 12, 56  
*Calendula arvensis* L. – Tscap, Eurymedit.; 10, 28, 51, 52, 69, 74  
*Cardopatium corymbosum* (L.) Pers. – Hscap, NE Medit.; 1, 11, 25, 53 (Re), 64, 71, 74  
*Carduus pycnocephalus* subsp. *albidus* (M. Bieb.) Kazmi – Tscap, Medit.-Turan.; 2, 75, 78  
*Carduus taygeteus* subsp. *insularis* Franco – Tscap, N Aegean endemic (Lemnos & Samothra-ki); 5, 51 (Re, *C. taygeteus* subsp. *taygeteus*)  
*Carlina corymbosa* L. – Hscap, Stenomedit.; 19, 26  
*Centaurea solstitialis* L. – Hbienn, Subcosmop.; 45, 48  
*Centaurea spinosa* L. – Cfrut, E Medit.; 1, 2, 45, 51 (Re), 58, 75  
*Chondrilla juncea* L. – Hscap, Paleotemp.; 9  
*Chrysanthemum coronarium* L. – Tscap, Stenomedit.; 28  
*Chrysanthemum segetum* L. – Tscap, Eurymedit.; 11, 63, 64, 69  
*Cichorium intybus* L. – Hscap, Cosmop.; 69, 70, 74, 75, 78  
*Cichorium pumilum* Jacq. – Tscap, Stenomedit.; 51 (Re)  
*Cnicus benedictus* L. – Tscap, W Medit.; 2, 9, 10, 31  
*Crepis commutata* (Spreng.) Greuter – Tscap, E Medit.; 1, 10, 11, 25, 35, 51, 52, 74, 78  
*Crepis micrantha* Czer. – Tscap, E Medit.; 26  
*Crepis multiflora* Sm. – Tscap, E Medit.; 51, 75, 78  
*Crepis rubra* L. – Tscap, Stenomedit.; 18  
*Crepis sancta* (L.) Babc. – Tscap, Medit.-Turan.; 17, 21, 22, 28, 42  
*Crepis zacintha* (L.) Babc. – Tscap, Stenomedit.; 39, 43, 51 (Re), 65, 74  
*Crupina crupinastrum* (Moris) Vis. – Tscap, Stenomedit.; 12, 25, 39, 49  
*Cynara cornigera* Lindl. – Hscap, E Medit.; 49  
*Dittrichia viscosa* (L.) Greuter – Hscap, Eurymedit.; 42, 78  
*Filago cretensis* Gand. subsp. *cretensis* – Tscap, E Medit.; 39, 74  
*Filago eriocephala* Guss. – Tscap, Eurymedit.; 11, 26, 35, 39  
*Filago gallica* L. – Tscap, Eurymedit.; 60  
*Filago pygmaea* L. – Trept, Stenomedit.; 1

- Filago pyramidata* L. – Tscap, Eurymedit.; 39, 65  
*Filago vulgaris* Lam. – Tscap, Paleotemp.; 39, 45, 51 (Re, as *F. germanica* L.)  
*Geropogon hybridus* (L.) Sch. Bip. – Tscap, Eurymedit.; 49  
*Hedypnois cretica* (L.) Dum. Cours. subsp. *cretica* – Tscap, Eurymedit.; 2, 9, 10, 11, 32, 63, 74, 75, 78  
*Hedypnois cretica* subsp. *tubaiformis* (Ten.) Nyman – Tscap, Eurymedit.; 28  
*Helichrysum stoechas* subsp. *barrelieri* (Ten.) Nyman – Csuffr, Stenomedit.; 2, 25, 35, 39  
*Hypochaeris achyrophorus* L. – Tscap, Stenomedit.; 28, 45, 74, 75  
*Hypochaeris glabra* L. – Tscap, Eurymedit.; 21, 42, 64  
*Hypochaeris radicata* L. – Hros, Europ.-Caucas.; Re  
*Jurinea consanguinea* DC. (= *J. mollis* subsp. *anatolica* (Boiss.) Stoj. & Stef.) – Hscap, E Medit.; 13  
*Lactuca serriola* L. – Hscap, Paleotemp.; 29  
*Leontodon tuberosus* L. – Hros, Stenomedit.; 11, 16, 42, 45, 74, 75  
*Matricaria chamomilla* L. – Tscap, Subcosmop.; 1, 30, 51, 74  
*Notobasis syriaca* (L.) Cass. – Tscap, Stenomedit.; 32, 35, 64  
*Onopordum illyricum* L. subsp. *illyricum* – Hbienn, Stenomedit.; 1, 43, 71  
*Onopordum myriacanthum* Boiss. – Hbienn, E Medit.; 11, 62  
*Onopordum tauricum* Willd. – Hbienn, SE Europ.-Pont.; 12, 51 (Re), 64  
*Otanthus maritimus* (L.) Hoffmanns. & Link – Csuffr, Medit.-Atl.; 1, 15, 32, 68  
*Phagnalon graecum* Boiss. & Heldr. – Csuffr, E Medit.; 45, 51, 75  
*Picnonon acarna* (L.) Cass. – Hscap, Stenomedit.; 18, 43  
*Reichardia picroides* (L.) Roth – Hscap, Stenomedit.; 10, 11, 30, 42, 52, 75, 78  
*Rhagadiolus edulis* Gaertn. – Tscap, Eurymedit.; 45  
*Rhagadiolus stellatus* (L.) Gaertn. – Tscap, Eurymedit.; 51, 65  
*Scariola viminea* (L.) F. W. Schmidt – Hbienn, Eurymedit.; 30  
*Scolymus hispanicus* L. – Hbienn, Eurymedit.; 11, 51, 63, 74, 78, 79  
*Scorzonera crocifolia* Sm. – Hscap, Greek endemic; Biel (2002)  
*Scorzonera mollis* M. Bieb. – Grhiz, E Medit.-Caucas.; 27  
*Senecio vernalis* Waldst. & Kit. – Tscap, Cosmop.; 1, 11, 25, 42 51 (Re 1347 (LD), as *S. coronifolius* Desf.)  
*Senecio vulgaris* L. – Tscap, Cosmop.; 28, 58, 67, 69, 75, 78, 79  
*Silybum marianum* (L.) Gaertn. – Hbienn, Medit.-Turan.; 30  
*Sonchus asper* subsp. *glaucescens* (Jordan) Ball – Tscap, Paleotemp.; 1, 9, 11, 25, 44  
*Sonchus oleraceus* L. – Tscap, Subcosmop.; 9, 11, 25, 28, 62 (Re), 72, 73, 78  
*Sonchus tenerrimus* L. – Tscap/Hscap, Stenomedit.; 30  
*Tolpis barbata* (L.) Gaertn. – Tscap, Stenomedit.; 9, 11, 39  
*Tolpis virgata* (Desf.) Bertol. – Hscap, Stenomedit.; 62 (Re), 63  
*Tragopogon dubius* Scop. – Hbienn, S Europ.-Caucas.; 42  
*Tragopogon porrifolius* L. – Hbienn, Eurymedit.; 10, 11, 15  
*Tyrimnus leucographus* (L.) Cass. – Tscap, Stenomedit.; 28, 30, 35, 43  
*Urospermum picroides* (L.) F. W. Schmidt – Tscap, Eurymedit.; 15, 21, 32, 70, 75, 78  
*Xanthium spinosum* L. – Tscap, Trop. Amer.; 35  
*Xanthium strumarium* L. – Tscap, Cosmop.; 2, 12
- Convolvulaceae**  
*Convolvulus althaeoides* L. – Hscand, Stenomedit.; 33, 39  
*Convolvulus arvensis* L. – Grhiz, Temp.; 11, 20, 33, 35, 51 (Re), 78, 79
- Crassulaceae**  
*Sedum litoreum* Guss. – Tscap, Stenomedit.; 45, 78, 79  
*Sedum rubens* L. – Tscap, Eurymedit.; 42, 45, 51 (Re, *S. rubrum* (L.) Thell.)

*Crassula tillaea* Lest.-Garl. – Tscap, Submedit.-Subatl.; 9, 21

*Umbilicus horizontalis* (Guss.) DC. – Gbulb, Stenomedit.; 45

*Umbilicus rupestris* (Salisb.) Dandy – Gbulb, Medit.-Atl.; 63

#### ***Cruciferae***

*Alyssum umbellatum* Desv. – Tscap, E Medit.; 1, 10, 11, 19, 28, 33, 41, 44, 45, 51 (Re), 70, 74

*Arabidopsis thaliana* (L.) Heynh. – Tscap, Cosmop.; 42

*Berteroa obliqua* (Sm.) DC. – Hscap, NE-Medit.; 45

*Biscutella didyma* L. – Tscap, Medit.-Turan.; 15, 28, 44, 45

*Brassica cretica* subsp. *aegaea* (Heldr. & Halácsy) Snog. & al. – Csuffr, E Medit.; 51, 61

*Brassica napus* L. – Tscap, weed/ruderal; 45

*Brassica tournefortii* Gouan – Tscap, Medit.-Saharo-Sind.; 16, 21, 44

*Bunias erucago* L. – Tscap, Eurymedit.; 42, 43

*Cakile maritima* Scop. – Tscap, Medit.-Atl.; 1, 14, 15, 28, 46, 54, 75

*Calepina irregularis* (Asso) Thell. – Tscap, Medit.-Turan.; 39, 45

*Capsella bursa-pastoris* (L.) Medik. – Tscap, Cosmop.; 28, 59, 69

*Cardamine hirsuta* L. – Tscap, Cosmop.; 39, 42, 78

*Cardaria draba* (L.) Desv. – Hscap, Medit.-Turan.; 28, 30, 51 (Re), 74, 78

*Clypeola jonthlaspi* subsp. *microcarpa* (Moris.) Arcang. – Tscap, Stenomedit.; 42, 47, 48, 55

*Diplotaxis tenuifolia* (L.) DC. – Hscap, Submedit.-Subatl.; 8, 12

*Erophila praecox* (Steven) DC. – Tscap, Paleotemp.; 53, 69

*Erophila verna* (L.) Chevall. subsp. *verna* – Tscap, Circumbor.; 42, 44, 60, 61

*Eruca vesicaria* subsp. *sativa* (Mill.) Thell. – Tscap, Medit.-Turan.; 44, 45, 74, 75, 78

*Erysimum rechingeri* Jav. – Tscap, local endemic (Lemnos); 42, 58 (Re)

*Hirschfeldia incana* (L.) Lagr.-Fossat – Hscap, Stenomedit.; 9, 28, 51 (Re)

*Hornungia petraea* (L.) Rchb. – Tscap, Eurymedit.; 12

*Lepidium spinosum* Ard. – Tscap, E Medit.; 18, 42, 28 (Re), 49 (Re), 74

*Malcolmia flexuosa* subsp. *naxensis* (Rech. fil.) Stork – Tscap, E Medit.; 1, 51, 70, 76, 77, 78

*Malcolmia macrocalyx* (Halácsy) Rech. fil. – Tscap, Greek endemic; 36

*Malcolmia nana* (DC.) Boiss. – Tscap, Stenomedit.; 21

*Matthiola incana* (L.) R. Br. – Csuffr, Stenomedit.; 9, 75, 73

*Matthiola sinuata* (L.) R. Br. – Hscap, Medit.-Atl.; Biel (2002)

*Matthiola tricuspidata* (L.) R. Br. – Tscap, Stenomedit.; 1, 61

*Nasturtium officinale* R. Br. – Hscap, Cosmop.; 49 (Re)

*Neslia paniculata* subsp. *thracica* (Velen.) Bornm. – Tscap, Turan.; 42

*Raphanus raphanistrum* L. subsp. *raphanistrum* – Tscap, Paleotemp.; 12, 15, 24, 25, 41, 42, 51

*Raphanus raphanistrum* subsp. *rostratus* (DC.) Thell. – Tscap, Paleotemp.; 50 (Re 1319 LD)

*Rapistrum rugosum* subsp. *orientale* (L.) Arcang. – Tscap, Eurymedit.; 33, 34, 49 (Re)

*Sinapis arvensis* L. – Tscap, Paleotemp.; 42

*Sisymbrium irio* L. – Tscap, Paleotemp.; 29

*Sisymbrium officinale* (L.) Scop. – Tscap, Subcosmop.; 18

*Sisymbrium orientale* L. – Tscap, Eurymedit.; 28

*Sisymbrium polyceratum* L. – Tscap, Eurymedit.; 51 (Re)

*Teesdalia coronopifolia* (Bergeret) Thell. – Tscap, Eurymedit.; 39

#### ***Cucurbitaceae***

*Ecballium elaterium* (L.) A. Rich. – Gbulb, Eurymedit.; 64

#### ***Dipsacaceae***

*Knautia integrifolia* (L.) Bertol. – Tscap, Eurymedit.; 30, 43, 45

*Lomelosia divaricata* (Jacq.) Greuter & Burdet – Hscap, E Medit.; Biel (2002)

*Pterocephalus plumosus* (L.) Coulte. – Tscap, E Medit.-Turan.; Biel (2002)

*Sixalix atropurpurea* (L.) Greuter & Burdet – Hbienn, S Europ.; 49 (Re, *Scabiosa atropurpurea* L.)

*Tremastelma palaestinum* (L.) Janch. – Tscap, Stenomedit.; 26, 65

**Elaeagnaceae**

*Elaeagnus angustifolia* L. – NP, E Medit.; 21, 28 (Br)

**Euphorbiaceae**

*Chrozophora tinctoria* (L.) A. Juss. – Tscap, Medit.-Turan.; 51 (Re)

*Euphorbia acanthothamnos* Boiss. – Cfrut, E Medit.; 41, 45

*Euphorbia apios* L. – Gbulb, NE Medit.; 45

*Euphorbia characias* L. – NP, Stenomedit.; 1, 42, 55, 56

*Euphorbia exigua* L. – Tscap, Eurymedit.; 42

*Euphorbia helioscopia* L. – Tscap, Cosmop.; 21, 28, 42, 44, 45, 51 (Re), 72, 74, 78

*Euphorbia paralias* L. – Cfrut, Eurymedit.-Atl.; 2, 15, 57, 68

*Euphorbia peplus* L. – Tscap, Cosmop.; 42, 48, 56, 75, 78

*Euphorbia pubescens* Vahl – Tscap, Cosmop.; 12

*Euphorbia seguieriana* Necker subsp. *seguieriana* – Hscap, S Siber. (steppic); 4, 9, 10, 11, 15, 24, 51 (Re, 1389 (LD))

*Mercurialis annua* L. – Tscap, Paleotemp.; 21, 45, 51, 58, 59, 60

**Fagaceae**

*Quercus cerris* L. – Pscap, N Eurymedit.; Biel (2002)

*Quercus coccifera* L. – NP, Stenomedit.; 63

*Quercus ithaburensis* subsp. *macrolepis* (Kotschy) Hedge & Yalt. – Pscap, E Medit.; 9, 10, 51

**Frankeniaceae**

*Frankenia hirsuta* L. – Csuffr, Medit.-Turan.; 1, 2, 15, 24, 28, 30, 34, 71, 74, 75

*Frankenia pulverulenta* L. – Tscap, Medit.-Turan.; 12

**Gentianaceae**

*Blackstonia perfoliata* (L.) Huds. – Tscap, Eurymedit.; 15, 17

*Centaurium erythraea* Rafn subsp. *erythraea* – Hscap, Paleotemp.; 15, 78

*Centaurium pulchellum* (Sw.) Druce – Tscap, Paleotemp.; 15, 75

**Geraniaceae**

*Erodium botrys* (Cav.) Bertol. – Tscap, Stenomedit.; 21

*Erodium ciconium* (L.) L'Her. – Tscap, Stenomedit.; 21

*Erodium cicutarium* (L.) L'Her. – Tscap, Subcosmop.; 1, 3, 33, 35, 48, 49, 51, 52, 53, 55, 63, 74

*Erodium laciniatum* (Cav.) Willd. – Tscap, Stenomedit.; 17, 21

*Erodium moschatum* (L.) L'Her. – Tscap, Eurymedit.; 21

*Geranium dissectum* L. – Tscap, Subcosmop.; 28

*Geranium lucidum* L. – Tscap, Eurymedit.; 39, 42, 45, 49 (Re)

*Geranium molle* L. subsp. *molle* – Tscap, Subcosmop.; 28

*Geranium purpureum* Vill. – Tscap, Eurymedit.; 28

*Geranium rotundifolium* L. – Tscap, Paleotemp.; 11, 20, 21, 45, 52

**Hydrophyllaceae**

*Phacelia tanacetifolia* Benth. – Tscap, Nordamer.; 36

**Hypericaceae**

*Hypericum olympicum* L. – Hscap, Stenomedit.-N Orient.; 28 (Re), 51 (Re), 23, 24, 78

*Hypericum perforatum* L. – Hscap, Stenomedit.; 75, 79

*Hypericum triquetrifolium* Turra – Hscap, Eurymedit.; 28, 51 (Re, *H. crispum* L.), 65

**Labiatae**

*Ajuga chamaepitys* subsp. *chia* (Schreb.) Arcang. – Tscap, Eurymedit.; 21

*Ballota acetabulosa* (L.) Benth. – Cfrut, E Medit.; 1, 3, 28, 32, 42, 47, 51, 78

*Coridothymus capitatus* (L.) Rchb. fil. – Cfrut, Stenomedit.; 4, 15, 21, 28, 52, 75

*Lamium amplexicaule* L. – Tscap, Paleotemp.; 20, 27, 53, 57, 78

- Marrubium peregrinum* L. – Hscap, SE Europ.-Pont.; 7, 11  
*Marrubium vulgare* L. – Hscap, Paleotemp.; 6  
*Melissa officinalis* L. – Hscap, Eurymedit.; 45  
*Mentha aquatica* L. – Hscap, Subcosmop.; 12  
*Mentha pulegium* L. – Hscap, Subcosmop.; 7, 43  
*Mentha spicata* subsp. *condensata* (Briq.) Greuter & Burdet – Hscap, Eurymedit.; 51  
*Origanum onites* L. – Csuffr, E Medit.; 43, 45  
*Origanum vulgare* subsp. *hirtum* (Link) Ietsw. – Hscap, E Medit.; 49  
*Origanum vulgare* subsp. *viridulum* (Martin-Donos) Nyman – Hscap, E Medit.; 45  
*Prasium majus* L. – Cfrut, Stenomedit.; scattered  
*Prunella laciniata* (L.) L. – Hscap, Eurymedit.; 39  
*Rosmarinus officinalis* L. – NP, Stenomedit.; Biel (2002)  
*Salvia verbenaca* L. – Hscap, Medit.-Atl.; 1, 11, 25, 28, 33, 51  
*Salvia virgata* Jacq. – Hscap, Irano-Anatol.; 32, 40, 51, 74, 75  
*Satureja graeca* L. – Csuffr, Stenomedit.; 39, 51, 52  
*Satureja nervosa* Desf. – Csuffr, Stenomedit.; 1  
*Sideritis curviflora* Stapf – Tscap, E Medit.; 11  
*Sideritis lanata* L. – Tscap, E Medit.; 23, 25  
*Stachys cretica* subsp. *lesbiaca* Rech.fil. – Hscap, E Medit.; 28 (Re), 11, 43, 51 (Re), 59, 60  
*Teucrium brevifolium* Schreb. – Csuffr, E Medit.; 25  
*Teucrium capitatum* L. – Csuffr, Stenomedit.; 4, 9, 10, 51, 75  
*Teucrium divaricatum* Heldr. subsp. *divaricatum* – Cfrut, E Medit.; 4, 25, 75  
*Teucrium scordium* L. – Hscap, Europ.-Caucas.; 12

#### **Leguminosae**

- Anagyris foetida* L. – NP, Stenomedit.; 45, 52 (Br.)  
*Anthyllis hermanniae* L. – Cfrut, Stenomedit.; 4, 25, 34, 52 (Br.), 70, 75  
*Anthyllis vulneraria* subsp. *rubriflora* (DC.) Arcang. – Hscap, Stenomedit.; 75  
*Astragalus hamosus* L. – Tscap, Medit.-Turani.; 9, 11, 20, 42, 51 (Re), 52  
*Astragalus monspessulanus* subsp. *illyricus* (Bernh.) Chater – Hros/Hscap, Eurymedit.; 12, 13, 24, 25, 34, 39, 46, 75  
*Astragalus pelecinus* (L.) Barneby – Tscap, Stenomedit.; 51 (Re)  
*Astragalus sinaicus* Boiss. – Tscap, Stenomedit.; 21  
*Calicotome villosa* (Poir.) Link – NP, Stenomedit.; 21, 45, 49 (Re), 52 (Br.)  
*Cercis siliquastrum* L. – Pscap, S Europ.-W Asiat.; 65  
*Dorycnium hirsutum* (L.) Ser. – Csuffr, Eurymedit.; 4, 25, 26  
*Genista acanthoclada* DC. – NP, E Medit.; 39, 45 (rare, Br found it only once)  
*Hedysarum spinosissimum* L. – Tscap, Stenomedit.; 4, 25, 35  
*Hippocrepis biflora* Spreng. – Tscap, Eurymedit.; 26  
*Hippocrepis ciliata* Willd. – Tscap, Eurymedit.; 28  
*Hymenocarpus circinnatus* (L.) Savi – Tscap, Stenomedit.; 28, 43, 51  
*Lathyrus aphaca* L. – Tscap, Eurymedit.; 28  
*Lathyrus articulatus* L. – Tscap, Stenomedit.; 28  
*Lathyrus cicera* L. – Tscap, Eurymedit.; 21, 28  
*Lathyrus ochrus* (L.) DC. – Tscap, Stenomedit.; 23  
*Lathyrus sphaericus* Retz. – Tscap, Eurymedit.; Biel (2002)  
*Lotus conimbricensis* Brot. – Tscap, Stenomedit.; 39, 42  
*Lotus cytisoides* L. – Csuffr, Stenomedit.; 2, 51, 70  
*Lotus edulis* L. – Tscap, Stenomedit.; 1, 2, 48, 54, 61  
*Lotus halophilus* Boiss. & Spruner – Tscap, S Medit.; 15, 21, 42  
*Lotus ornithopodioides* L. – Tscap, Stenomedit.; 45  
*Lotus peregrinus* L. – Tscap, E Medit.; 2, 42  
*Lupinus angustifolius* L. – Tscap, Stenomedit.; 49

- Lupinus micranthus* Guss. – Tscap, Stenomedit.; 9, 10  
*Medicago arabica* (L.) Huds. – Tscap, Paleotemp.; 12, 28, 45  
*Medicago arborea* L. – Pcaesp, NE Medit.; 51 (Br), 52  
*Medicago ciliaris* (L.) All – Tscap, S Medit.-Macaron.; 67  
*Medicago disciformis* DC. – Tscap, Stenomedit.; 11, 12, 42, 51, 52  
*Medicago littoralis* Loisel. – Tscap, Eury medit.; 1, 2, 15, 24, 42, 51, 52, 54  
*Medicago marina* L. – Crept, Eury medit.; 1, 2, 14, 15, 51, 54  
*Medicago minima* (L.) L. – Tscap, Paleotemp.; 9, 52  
*Medicago monspeliaca* (L.) Trautv. – Tscap, Eury medit.; 9, 51  
*Medicago orbicularis* (L.) Bartal. – Tscap, Eury medit.; 26, 42, 69  
*Medicago polymorpha* L. – Tscap, Subcosmop.; 17, 28, 42, 51  
*Medicago praecox* DC. – Tscap, Stenomedit.; 12, 21, 42  
*Medicago scutellata* (L.) Mill. – Tscap, Eury medit.; 20, 66  
*Medicago truncatula* Gaertn. – Tscap, Eury medit.; 25, 75  
*Melilotus indicus* (L.) All. – Tscap, Medit.-Irano-Anatol.; 10, 11, 12, 14, 17, 28, 31, 49, 52  
*Melilotus italicus* (L.) Lam. – Tscap, N Medit.; Biel (2002)  
*Melilotus segetalis* (Brot.) Ser. – Tscap, S Medit.; 2, 13, 17, 67  
*Onobrychis aequidentata* (Sm.) d'Urv. – Tscap, Stenomedit.; 4, 13, 65  
*Onobrychis caput-galli* Lam. – Tscap, Stenomedit.; 13, 15, 20, 24, 45, 52  
*Ononis diffusa* Ten. – Tscap, S Medit.; 17, 62, 75  
*Ononis reclinata* L. – Tscap, S Medit.-Turan.; Biel (2002)  
*Ononis spinosa* L. – Csuffr, Eury medit.; 70  
*Ornithopus compressus* L. – Tscap, Eury medit.; 9, 11, 21  
*Retama monosperma* (L.) Boiss. – Pcaesp, W Medit.; Biel (2002)  
*Robinia pseudoacacia* L. – Pcaesp, Nordamer.; 63. Cultivated and escape.  
*Scorpiurus muricatus* L. – Tscap, Eury medit.; 26, 40, 42, 55, 75  
*Securigera securidaca* (L.) Degen & Dörfler – Tscap, Eury medit.; 45  
*Spartium junceum* L. – NP, Eury medit.; 39, 45  
*Trifolium angustifolium* L. – Tscap, Eury medit.; 11, 13, 39, 75  
*Trifolium arvense* L. – Tscap, Paleotemp.; 10, 11, 12, 42, 78  
*Trifolium campestre* Schreb. – Tscap, Paleotemp.; 4, 10, 11, 15, 28, 51, 74, 75, 78  
*Trifolium cherleri* L. – Tscap, Eury medit.; 39, 42  
*Trifolium constantinopolitanum* Ser. – Tscap, E Medit.; 45  
*Trifolium echinatum* M. Bie. – Tscap, SE Europ.-Turan.; 14  
*Trifolium globosum* L. – Trept, E Medit.; 11, 14, 42, 64  
*Trifolium glomeratum* L. – Tscap, Eury medit.; 9, 10  
*Trifolium grandiflorum* Schreb. – Tscap, E Medit.; 45  
*Trifolium infamia-ponertii* Greuter – Tscap, Eury medit.; 51, 62, 63  
*Trifolium lappaceum* L. – Tscap, Eury medit.; 14, 15, 17  
*Trifolium leucanthum* M. Bieb. – Tscap, E Medit.; 45  
*Trifolium petrisavii* Clementi – Tscap, Eury medit.; 12, 28  
*Trifolium purpureum* Loisel. – Tscap, Eury medit.; 10, 11, 25, 45  
*Trifolium resupinatum* L. – Tscap, Paleotemp.; 24  
*Trifolium scabrum* L. – Tscap, Eury medit.; 11, 12, 15, 42, 43, 70, 74, 75, 78  
*Trifolium spumosum* L. – Tscap, Stenomedit.; 24, 28  
*Trifolium stellatum* L. – Tscap, Eury medit.; 10, 42, 51, 75, 78  
*Trifolium subterraneum* L. – Tscap, Eury medit.; 42  
*Trifolium suffocatum* L. – Tscap, Eury medit.; 60  
*Trifolium tomentosum* L. – Tscap, Paleotemp.; 21, 22, 24, 51, 52, 75  
*Trifolium uniflorum* L. – Hcaesp, Stenomedit.; 1, 28, 41, 51, 53, 74, 75  
*Trigonella balansae* Boiss. & Reuter – Tscap, E Medit.; 39  
*Trigonella gladiata* M. Bieb. – Tscap, Stenomedit.; 42

- Vicia bithynica* (L.) L. – Tscap, Eurymedit.; 28  
*Vicia cretica* Boiss. & Heldr. – Tscap, E Medit.; 45  
*Vicia hybrida* L. – Tscap, Eurymedit.; 10, 28, 48  
*Vicia lathyroides* L. – Tscap, Eurymedit.; 21  
*Vicia lutea* L. – Tscap, Eurymedit.; 42, 69  
*Vicia melanops* Sm. – Tscap, S Europ.; 45  
*Vicia narbonensis* L. – Tscap, Eurymedit.; 22  
*Vicia peregrina* L. – Tscap, Medit.-Turan.; 21  
*Vicia sativa* L. – Tscap, Subcosmop.; 2, 5, 21  
*Vicia sativa* subsp. *nigra* (L.) Ehrh. – Tscap, Cosmop.; 23, 25, 35  
*Vicia villosa* subsp. *eriocarpa* (Hausskn.) P. W. Ball – Tscap, E Medit.; 5, 10, 25, 42, 51

***Linaceae***

- Linum bienne* Mill. – Hscap, Medit.-Atl.; 1, 14, 15, 16, 28, 33, 44  
*Linum corymbulosum* Rchb. – Tscap, Medit.-Irano-Anatol.; 10, 11, 39, 75  
*Linum strictum* L. – Tscap, Stenomedit.; 1, 4, 15, 26, 35, 44, 75

***Lythraceae***

- Lythrum borysthenicum* (Schrank) Litv. – Tscap, Submedit.; Biel (2002)  
*Lythrum hyssopifolia* L. – Tscap, Subcosmop.; 12

***Malvaceae***

- Alcea pallida* subsp. *cretica* (Weinm.) D. A. Webb – Hbienn/Hscap, Balkan.; 52, 71, 72, 73  
*Alcea rosea* L. – Hbienn, escape from cultivation; 49 (Re)  
*Althaea hirsuta* L. – Tscap, Eurymedit.; 35  
*Lavatera arborea* L. Hscap Stenomedit.; 42  
*Malope malacoides* L. – Tscap/Hscap, W Asiat.; Biel (2002)  
*Malva nicaensis* All. – Tscap, Stenomedit.; 21, 28, 35, 64  
*Malva parviflora* L. – Tscap, Eurymedit.; 51 (Re), 75  
*Malva pusilla* Sm. – Tscap, Euro-Siber.; 36  
*Malva sylvestris* L. – Hscap, Subcosmop.; 28, 31, 32, 51 (Re), 52, 75, 77

***Meliaceae***

- Melia azedarach* L. – commonly cultivated as street tree; 51 (Re)

***Moraceae***

- Ficus carica* L. – NP, Medit.-Turan.; 45, 75

***Oleaceae***

- Olea europaea* subsp. *oleaster* (Hoffm. & Link) Negodi – NP, Stenomedit.; scattered all over the island  
*Phillyrea latifolia* L. – Pcaesp, Stenomedit.; 42 (Br)

***Orobanchaceae***

- Orobanche amethystea* Thuill. – Tpar, Submedit.-Subatl.; 28  
*Orobanche minor* Sm. – Tpar, Paleotemp.; 11  
*Orobanche pubescens* d'Urv. – Tpar, E Medit.; 21, 22  
*Orobanche ramosa* subsp. *mutelii* (F. W. Schultz) Coutinho – Tpar, Paleotemp.; 21, 65  
*Orobanche ramosa* subsp. *nana* (Reuter) Coutinho – Tpar, Paleotemp.; 11

***Papaveraceae***

- Fumaria densiflora* DC. – Tscap, Subcosmop.; 9, 24, 27  
*Fumaria judaica* Boiss. subsp. *judaica* – Tscap, E Medit.; 28, 45, 46  
*Fumaria macrocarpa* Parl. – Tscap, E Medit.; 9, 21  
*Fumaria officinalis* L. subsp. *officinalis* – Tscap, Subcosmop.; 27, 29, 57, 67  
*Fumaria parviflora* Lam. – Tscap, Medit.-Turan.; 23, 51  
*Glaucium flavum* Crantz – Hscap, Medit.-Atl.; 36, 75

- Hypecoum imberbe* Sm. – Tscap, Paleotemp.; 27, 28, 51 (Re), 59  
*Hypecoum procumbens* L. subsp. *procumbens* – Tscap, Eurymedit.; 28, 46  
*Papaver argemone* subsp. *nigrotinctum* (Fedde) Kadereit – Tscap, Medit.-Turan.; 2, 21  
*Papaver dubium* L. – Tscap, Medit.-Turan.; 34, 45, 46, 51, 63  
*Papaver hybridum* L. – Tscap, Medit.-Turan.; 28, 51  
*Papaver rhoes* L. – Tscap, Paleotemp.; 2, 9, 12, 25, 28, 30, 32, 45, 69

#### **Plantaginaceae**

- Plantago afra* L. – Tscap, Stenomedit.; 1, 42, 51, 52  
*Plantago bellardii* All. subsp. *bellardii* – Tros, Eurymedit.; 42  
*Plantago bellardii* subsp. *deflexa* (Pilger) Rech. fil. – Tros, E Medit.; 9, 10, 21, 35, 75  
*Plantago commutata* Guss. – Tros, Eurymedit.; 12, 25, 31, 42, 55, 56  
*Plantago coronopus* L. – Tscap/Hbienn, Eurymedit.; 24, 28, 74, 75, 78  
*Plantago cretica* L. – Tros, E Medit.; Biel (2002)  
*Plantago lagopus* L. – Tros, Eurymedit.; 11, 28, 32, 33, 48, 51, 58, 63, 70  
*Plantago lanceolata* L. – Hros, Cosmop.; 13, 36

#### **Platanaceae**

- Platanus orientalis* L. – Pscap, SE Europ.; 52 (Br)

#### **Plumbaginaceae**

- Armeria cariensis* Boiss. – Hros, E Medit.; 39, 43, 45, 49, 52  
*Armeria undulata* (Bory & Chaub.) Boiss. – Hros, E Medit.; 51 (Re)  
*Goniolimon incanum* (L.) Hepper (= *G. collinum* (Griseb.) Boiss.) – Hros, E Medit.; 24  
*Goniolimon sartorii* Boiss. – Hros, E Medit.; 1  
*Limonium narbonense* Mill. – Csuffr, Stenomedit.; 41, 71, 73, 76, 77  
*Limonium ocytropis* (Poir.) Kuntze – Csuffr, Greek endemic; Plagiasos, 75  
*Limonium sinuatum* (L.) Mill. – Hscap, Stenomedit.; 1, 11, 28, 30  
*Limonium virgatum* (Willd.) Fourr. – Csuffr, Medit.-Atl.; 1, 45  
*Plumbago europaea* L. – Cfrut, Stenomedit.; 45

#### **Polygalaceae**

- Polygala venulosa* Sm. – Hscap, E Medit.; 21

#### **Polygonaceae**

- Polygonum arenarium* Waldst. & Kit. – Trept, SE Europ.-C Asiat.; 52 (Re, = *P. pulchellum* Lois.), 67  
*Polygonum aviculare* subsp. *neglectum* (Besser) Arcang. – Trept, Cosmop.; 50  
*Polygonum maritimum* L. – Hrept, Subcosmop.; Biel (2002)  
*Rumex acetosella* subsp. *acetoselloides* (Balansa) Den Nijls – Hscap, E Medit.; 3, 51  
*Rumex bucephalophorus* subsp. *aegaeus* Rech. fil. – Tscap, E Medit.; 42, 53, 55, 56, 62 (Re), 63, 78  
*Rumex crispus* L. – Hscap, Subcosmop.; 39  
*Rumex cristatus* DC. – Hscap, NE Medit.; 28, 45  
*Rumex pulcher* L. subsp. *pulcher* – Hscap, Eurymedit.; 64, 74  
*Rumex pulcher* subsp. *raulinii* (Boiss.) Rech. fil. – Hscap, E Medit.; 11, 25  
*Rumex tuberosus* L. subsp. *creticus* (Boiss.) Rech. fil. – Gbulb, E Medit.; 42, 47, 52 (Re), 78, 79

#### **Primulaceae**

- Anagallis arvensis* L. – Trept, Subcosmop.; 12, 15, 21, 26, 39, 69, 75, 78  
*Asterolinon linum-stellatum* (L.) Duby – Tscap, Stenomedit.; 18  
*Cyclamen hederifolium* Aiton – Gbulb, Eurymedit.; 48

#### **Ranunculaceae**

- Anemone coronaria* L. – Gbulb, Stenomedit.; 12, 48

- Anemone pavonina* Lam. – Gbulb, Eurymedit.; Jeavons (ATH)  
*Clematis cirrhosa* L. – Nscand, Stenomedit.; 37, 38, 44, 45  
*Consolida arenaria* Carlström – Tscap, Greek endemic; 24  
*Consolida phrygia* (Boiss.) Soó – Tscap, E Medit.; 33, 37, 39  
*Nigella arvensis* L. – Tscap, E Medit.; 1, 28 (Re), 33  
*Ranunculus arvensis* L. – Tscap, Paleotemp.; 42, 51 (Re)  
*Ranunculus chius* DC. – Tscap, E Medit.; 45, 78  
*Ranunculus ficaria* L. – Gbulb, Eurymedit.; 18, 45, 55  
*Ranunculus muricatus* L. – Tscap, Eurymedit.; 12, 28, 38, 39, 43, 52 (Re)  
*Ranunculus neapolitanus* Ten. – Hscap, NE Medit.; 12  
*Ranunculus paludosus* Poir. – Hscap, Eurymedit.; 18, 27  
*Ranunculus peltatus* subsp. *baudotii* (Godron) C. D. K. Cook. – Hydrad, Europ.; 12  
*Ranunculus peltatus* subsp. *saniculifolius* (Viv.) C. D. K. Cook. – Hydrad, Europ.; 17  
*Ranunculus trichophyllus* Chaix – Hydrad, Europ.; 63

#### ***Resedaceae***

- Reseda lutea* L. – Tscap, Paleotemp.; 4, 51 (Re)  
*Reseda luteola* L. – Hscap/Tscap, Circumbor.; Re 1366 (LD)

#### ***Rhamnaceae***

- Rhamnus alaternus* L. – Pcaesp, Stenomedit.; 6, 45

#### ***Rosaceae***

- Agrimonia eupatoria* L. – Hscap, Subcosmop.; 39  
*Aphanes arvensis* L. – Tscap, Subcosmop.; 18  
*Crataegus azarolus* var. *aronia* L. – Pscap (Pcaesp), E Medit.; 51 (Re 1381 (LD))  
*Crataegus monogyna* Jacq. subsp. *monogyna* – Pcaesp, Paleotemp.; 37, 38, 42 (Br), 45, 62 (Re)  
*Crataegus ×ruscinonensis* Gren. & Blanco; 45 (Br.), 52 (Br., var. *aronioides* Browicz)  
*Pyrus communis* × *P. spinosa* L.; 49 (Br)  
*Pyrus spinosa* Forssk. (= *P. amygdaliformis* Vill.) – Pcaesp, Stenomedit.; 49 (Br), 52, 62  
*Prunus spinosa* subsp. *dasyphylla* (Schur) Domin – Pcaesp, Europ.-Caucas.; 45, 49 (Br.)  
*Rosa canina* L. – NP, Paleotemp.; 42 (Br)  
*Rosa sempervirens* L. – NP, Stenomedit.; 42 (Br)  
*Rubus sanctus* Schreb. – NP, Eurymedit.; 42, 49 (Br, = *R. ulmifolius* Schott), 52  
*Sanguisorba minor* subsp. *verrucosa* (A. Braun & Bouché) Holmboe – Hscap, Eurymedit.; 45  
*Sarcopoterium spinosum* (L.) Spach – NP, E Medit.; scattered all over the main island, 75

#### ***Rubiaceae***

- Crucianella latifolia* L. – Tscap, Stenomedit.; 45  
*Galium aparine* L. – Tscap, Paleotemp.; 11, 12, 28, 51, 52, 78  
*Galium murale* (L.) All. – Tscap, Eurymedit.; 28, 60, 51  
*Galium verticillatum* Danth. – Tscap, Medit.; 51 (Re)  
*Rubia tinctorum* L. – Hscap W-EC-Asiat.; 20, 28  
*Sherardia arvensis* L. – Tscap, Subcosmop.; 26, 28, 43, 74, 78  
*Valantia hispida* L. – Tscap, Stenomedit.; 21, 23, 75  
*Valantia muralis* L. – Tscap, Stenomedit.; 28

#### ***Salicaceae***

- Populus alba* L. – Pscap, Paleotemp.; 2, 52 (Br), 63  
*Populus nigra* L. – Pscap, Paleotemp.; 7, 52 (Br)  
*Salix alba* L. – Pscap, Paleotemp.; 21, 38, 52, 63

#### ***Santalaceae***

- Osyris alba* L. – NP, Eurymedit.; 15, 35, 45, 52  
*Thesium bergeri* Zucc. – Csuffr, E Medit.; 35

***Scrophulariaceae***

- Bellardia trixago* (L.) All. – Tscap, Eurymedit.; 12, 75  
*Linaria pelisseriana* (L.) Mill. – Tscap, Medit.-Atl.; 42  
*Misopates orontium* (L.) Raf. – Tscap, Paleotemp.; 45  
*Parentucellia latifolia* (L.) Caruel subsp. *latifolia* – Tscap, Eurymedit.; 28  
*Parentucellia viscosa* (L.) Caruel – Tscap, Medit.-Atl.; 14, 17  
*Scrophularia canina* subsp. *bicolor* (Sm.) Greuter – Hscap, E Medit.; 22, 39, 45  
*Scrophularia heterophylla* Willd. – Hscap, E Medit.; 37  
*Verbascum lasianthum* Benth. – Hscap, E Medit.; 11, 53 (Re), 62 (Re)  
*Verbascum lasianthum* Benth. × *V. sinuatum* L.; 51 (Re)  
*Verbascum sinuatum* L. – Hbienn, Eurymedit.; 35  
*Veronica anagallis-aquatica* L. – Hscap, Cosmop.; 45, 53 (Re)  
*Veronica arvensis* L. – Tscap, Subcosmop.; 42, 60  
*Veronica cymbalaria* Bodard – Tscap, Eurymedit.; 42, 45, 48, 61  
*Veronica persica* Poir. – Tscap, Subcosmop.; 63  
*Veronica polita* Fr. – Tscap, Paleotemp.; 42

***Simaroubaceae***

- Ailanthus altissima* (Mill.) Swingle – Pscap, introduced (China); 29, 37, 51 (Re)

***Solanaceae***

- Hyoscyamus albus* L. – Hscap, Eurymedit.; 15, 34, 51, 65  
*Lycium europaeum* L. – NP, Eurymedit.; 18 (Br), 45, 51 (Br)  
*Solanum dulcamara* L. – NP, Paleotemp.; 26 (Br) very rare  
*Solanum elaeagnifolium* Cav. – Hscap, Trop. Amer.; 52 (Br)  
*Solanum nigrum* L. – Tscap, Cosmop.; 11, 52

***Tamaricaceae***

- Tamarix hampeana* Boiss. & Heldr. – Pcaesp, E Medit.; 12 (Br)  
*Tamarix smyrnensis* Bunge – Pcaesp, Stenomedit.; 13

***Theligonaceae***

- Theligonum cynocrambe* L. – Tscap, Medit.-Irano-Anatol.; 42

***Ulmaceae***

- Ulmus minor* subsp. *canescens* (Melville) Browicz & Ziel. – Pcaesp, Europ.-Caucas.; 19 (Br), 45, 49 (Br)  
*Ulmus minor* Mill. subsp. *minor* – Pcaesp, Europ.-Caucas.; 47 (Br)

***Umbelliferae***

- Anthriscus caucalis* M. Bieb. – Tscap, Paleotemp.; 21  
*Apium inundatum* (L.) Rchb. fil. – Hscap, W Europ.; 63  
*Apium nodiflorum* (L.) Lag. – Hscap, Eurymedit.; 53 (Re)  
*Bupleurum gracile* d'Urv. – Tscap, E Medit.; 12  
*Critchmum maritimum* L. – Csuffr, Medit.-Atl.; 34, 44, 45, 75  
*Daucus carota* L. – Hbienn, Subcosmop.; 45  
*Eryngium campestre* L. – Hscap, Eurymedit.; 21, 51  
*Eryngium maritimum* L. – Grhiz, Medit.-Atl.; 1, 15, 62, 68, 74, 75  
*Ferula communis* subsp. *communis* – Hscap, Eurymedit.; 32, 42, 53, 71, 74, 75  
*Foeniculum vulgare* Mill. – Hscap, S Medit.; 51  
*Hippomarathrum cristatum* (DC.) Boiss. – Hscap, E Medit.; 25, 34, 63  
*Lagoecia cuminoides* L. – Tscap, Medit.-Turan.; 1, 10, 11, 25, 32, 51  
*Oenanthe pimpinelloides* L. – Hscap, Medit.-Atl.; 12  
*Orlaya daucoides* (L.) Greuter – Tscap, Eurymedit.; 14, 15, 45  
*Pseudorlaya pumila* (L.) Grande – Tscap, Stenomedit.; 62

*Scandix australis* subsp. *australis* – Tscap, Eurymedit.; 51 (Re, = *S. australis* subsp. *balcanica*),

65

*Scandix australis* subsp. *grandiflora* (L.) Thell. – Tscap, Eurymedit.; 15, 18, 65

*Scandix pecten-veneris* L. – Tscap, Subcosmop.; 10, 28, 69

*Smyrnium creticum* Mill. – Hbienn, E Medit.; 45, 51

*Tordylium apulum* L. – Tscap, Stenomedit.; 11, 20, 28, 34, 43, 74, 78

*Torilis arvensis* subsp. *purpurea* (Ten.) Hayek – Tscap, Eurymedit.; 45, 51

*Torilis leptophylla* (L.) Rchb. fil. – Tscap, Medit.-Irano-Anatol.; 39, 45

*Torilis nodosa* (L.) Gaertn. – Tscap, Medit.-Turan.; 12, 14, 51, 74, 78, Biel (2002, as *T. webbii* Jury)

#### ***Urticaceae***

*Parietaria cretica* L. – Trept, E Medit.; 18, 43, 51, 70, 75, 78, 79

*Parietaria judaica* L. – Hscap, Medit.-Atl.; 39, 45

*Parietaria lusitanica* L. Trept, Stenomedit.; Biel (2002)

*Urtica dioica* L. – Hscap, Subcosmop.; 50

*Urtica pilulifera* L. – Tscap, Stenomedit.; 42

*Urtica urens* L. – Tscap, Subcosmop.; 63

#### ***Valerianaceae***

*Centranthus ruber* (L.) DC. – Csuffr, Stenomedit.; 45

*Valerianella discoidea* (L.) Loisel. – Tscap, Stenomedit.; 9, 42, 45, 65

*Valerianella microcarpa* Loisel. – Tscap, Stenomedit.; 18

*Valerianella turgida* (Steven) Betcke – Tscap, E Medit.; 39

#### ***Verbenaceae***

*Verbena officinalis* L. – Hscap, Cosmop.; 51 (Re)

*Vitex agnus-castus* L. – NP, Medit.-Turan.; 15, 45, 53 (Br)

#### ***Vitaceae***

*Vitis vinifera* subsp. *sylvestris* (C. C. Gmel.) Hegi – Plian, Europ.-Caucas.; Biel (2002)

### **MONOCOTYLEDONES**

#### ***Araceae***

*Arisarum vulgare* Targ.-Tozz. – Grhiz, Stenomedit.; 11, 51

*Arum dioscoridis* Sm. – Grhiz, E Medit.; 11

*Dracunculus vulgaris* Schott – Grhiz, E Medit.; 39, 45, 51

#### ***Amaryllidaceae***

*Pancratium maritimum* L. – Gbulb, Stenomedit.; 45

#### ***Cyperaceae***

*Bolboschoenus glaucus* (Lam.) S. G. Sm. – Grhiz, Cosmop.; 67

*Bolboschoenus maritimus* (L.) Palla – Grhiz, Cosmop.; 12

*Carex distachya* Desf. – Hcaesp, Stenomedit.; 63

*Carex distans* L. – Hcaesp, Eurymedit.; 2, 12, 21, 35, 74

*Carex divisa* Huds. – Grhiz, Medit.-Atl.; 2, 12, 42, 51 (Re)

*Carex divulsa* Stokes subsp. *divulsa* – Hcaesp, Eurymedit.; 39

*Carex flacca* subsp. *serrulata* (Biv.) Greuter – Grhiz, Eurymedit.; 21

*Carex otrubae* Podp. – Hcaesp, Eurymedit.-Atl.; 63

*Cyperus longus* subsp. *badius* (Desf.) Murb. – Grhiz, Paleotemp.; 62 (Re)

*Eleocharis palustris* (L.) Roem. & Schult. subsp. *palustris* – Grhiz, Subcosmop.; 63

*Eleocharis uniglumis* (Link) Schult. – Grhiz, Subcosmop.; 17

*Isolepis cernua* (Vahl) Roem. & Schult. – Tscap, Subcosmop.; 12

*Schoenus nigricans* L. – Hcaesp, Subcosmop.; 12, 15  
*Scirpoides holoschoenus* (L.) Soják – Grhiz, Paleotemp.; 12, 13, 70

#### Gramineae

- Aegilops biuncialis* Vis. – Tscap, Eurymedit.; 1, 11, 30, 52, 63, 65  
*Aegilops neglecta* Req. – Tscap, Medit.-Turan.; 1, 4, 11, 14, 15  
*Aegilops triuncialis* L. – Tscap, Eurymedit.; 1, 10, 22  
*Aeluropus littoralis* (Gouan) Parl. – Grhiz, Medit.-Irano-Anatol.; 1, 15, 68, 75  
*Aira elegantissima* Schur – Tscap, Eurymedit.; 12, 42, 51  
*Ammophila arenaria* subsp. *arundinacea* H. Lindb. – Grhiz, Eurymedit.; 15, 16, 36  
*Anthoxanthum odoratum* L. – Hcaesp, Paleotemp.; 45  
*Arundo donax* L. – Grhiz, Subcosmop.; 21  
*Avellinia michelii* (Savi) Parl. – Tscap, Stenomedit.; 21  
*Avena barbata* Link subsp. *barbata* – Tscap, Eurymedit.; 11, 42, 43, 74, 77, 78  
*Avena sterilis* subsp. *ludoviciana* (Dur.) Gillet & Magrie – Tscap, Medit.-Turan.; 10, 42  
*Brachypodium pinnatum* (L.) P. Beauv. – Hcaesp, Paleotemp.; 10  
*Brachypodium retusum* (Pers.) P. Beauv. – Hcaesp, Stenomedit.; scattered all over the island  
*Briza maxima* L. – Tscap, Paleosubtrop.; 10, 23, 42  
*Bromus diandrus* Roth – Tscap, Eurymedit.; 28  
*Bromus fasciculatus* C. Presl. – Tscap, E Medit. ; 21, 22, 25  
*Bromus hordeaceus* L. – Tscap, Subcosmop.; 15, 22, 75  
*Bromus intermedius* Guss. – Tscap, Eurymedit.; 1, 10, 21, 22, 25, 39, 43, 51  
*Bromus madritensis* L. – Tscap, Eurymedit.; 1, 11, 21, 25, 30, 32, 74, 75, 77, 78, 79  
*Bromus rigidus* Roth – Tscap, Paleosubtrop; 2, 62  
*Bromus scoparius* L. – Tscap, Stenomedit.; 1, 11, 28  
*Bromus sterilis* L. – Tscap, Paleotemp.; 10, 21  
*Bromus tectorum* L. – Tscap, Paleotemp.; 11, 28, 70  
*Catapodium marinum* (L.) C. E. Hubb. – Tscap, Medit.-Atl.; 24  
*Catapodium rigidum* (L.) C. E. Hubb. subsp. *rigidum* – Tscap, Eurymedit.; 42, 51  
*Corynephorus divaricatus* (Pourr.) Breistr. – Tscap, Stenomedit.; 21, 22  
*Cynodon dactylon* (L.) Pers. – Grhiz, Cosmop.; 12, 44, 51  
*Cynosurus echinatus* L. – Tscap, Eurymedit.; 9, 11, 45, 51  
*Dactylis glomerata* subsp. *hackelii* (Asch. & Graebn.) Ciferri & Giacom. – Hcaesp, Stenomedit.; 45  
*Dactylis glomerata* subsp. *hispanica* (Roth) Nyman – Hcaesp, Stenomedit.; 1, 4, 10, 25, 42, 51,  
 74, 75, 77, 78  
*Dasypyrum villosum* (L.) P. Candargy – Tscap, Medit.-Turan.; 52  
*Echinaria capitata* (L.) Desf. – Tscap, Stenomedit.; Biel (2002)  
*Elymus farctus* Melderis subsp. *farctus* – Grhiz, Stenomedit.; 14, 23, 44, 54, 72, 78  
*Holcus annuus* Salzm. – Tscap, Stenomedit.; 9, 62  
*Hordeum bulbosum* L. – Hcaesp, Paleosubtrop.; 45, 51, 74, 75, 77  
*Hordeum distichon* L. – Tscap, Cosmop.; 24  
*Hordeum marinum* Huds. – Tscap, Medit.-Irano-Anatol.; 10, 12, 17, 28, 30, 62  
*Hordeum murinum* subsp. *leporinum* (Link) Arcang. – Tscap, Eurymedit.; 22, 30, 62, 71, 75, 76, 77  
*Imperata cylindrica* (L.) Raeusch. – Grhiz, Cosmop.; 21  
*Lagurus ovatus* L. – Tscap, Eurymedit.; 1, 10, 15, 28, 51, 74, 77, 78  
*Lamarckia aurea* (L.) Moench – Tscap, Medit.-Irano-Anatol.; 63  
*Lolium perenne* L. – Hcaesp, Circumbor.; 9  
*Lolium rigidum* Gaudin subsp. *rigidum* – Tscap, Paleosubtrop.; 9, 17, 25, 28, 30  
*Lolium temulentum* L. – Tscap, Subcosmop.; 51 (Re)  
*Melica ciliata* L. – Hcaesp, Eurymedit.; 11, 52, 58  
*Melica minuta* L. – Hcaesp, Stenomedit.; 45, 47

- Monerma cylindrica* (Willd.) Coss. & Durieu (see Scholz 1995) – Tscap, Eurymedit.; 1, 12  
*Parapholis incurva* (L.) C. E. Hubb. – Tscap, Medit.-Atl.; 16, 25, 30, 67, 71, 74, 75, 78, 79  
*Parapholis strigosa* (Dumort.) Y. C. E. Hubb. – Tscap, Medit.-Atl.; 12  
*Phalaris minor* Retz. – Tscap, Paleosubtrop.; 67, 69  
*Phalaris paradoxa* L. – Tscap, Medit.-Irano-Anatol.; 18, 22, 64, 69  
*Phleum arenarium* L. – Tscap, Medit.-Atl.; 51 (Re 1332 (LD))  
*Phleum exaratum* L. subsp. *exaratum* (= *Ph. graecum* Boiss. & Heldr. subsp. *graecum*) – Tscap, Eurymedit. 30, 70, 72, 78  
*Phragmites australis* (Cav.) Steud. – Grhz, Cosmop.; 13, 45  
*Piptatherum miliaceum* (L.) Coss. subsp. *miliaceum* – Hcaesp, Eurymedit.; 8, 9, 10, 26  
*Piptatherum miliaceum* subsp. *thomasii* (Duby) Freitag – Hcaesp, Eurymedit.; 45  
*Poa bulbosa* L. – Hcaesp, Paleotemp.; 28, 45, 47, 51  
*Poa infirma* Kunth – Tscap, Eurymedit.; 39  
*Poa trivialis* subsp. *sylvicola* (Guss.) H. Lindb. – Hcaesp, Paleotemp.; 67  
*Polypogon monspeliensis* (L.) Desf. – Tscap, Paleosubtrop.; 12, 51, 66, 69  
*Polypogon subspathaceus* Req. – Tscap, Stenomedit.; 17  
*Polypogon viridis* (Gouan) Breistr. – Hcaesp, Paleosubtrop.; 53 (Re, 1327 (LD))  
*Psilurus incurvus* (Gouan) Schinz & Thell. – Tscap, Eurymedit.; 39  
*Puccinellia festuciformis* (Host) Parl. subsp. *festuciformis* – Hcaesp, Stenomedit.; 31, 67  
*Rostraria cristata* (L.) Tzvelev – Tcaesp, Subcosmop.; 28, 31, 74, 75, 78, 79  
*Stipa capensis* Thunb. – Hcaesp, Stenomedit.; 52, 60  
*Vulpia ciliata* Dumort. – Tcaesp, Eurymedit.; 22, 39, 45  
*Vulpia muralis* (Kunth) Nees – Tcaesp, Stenomedit.; 42

#### **Iridaceae**

- Crocus cartwrightianus* Herb. – Gbulb, Greek endemic; 49  
*Crocus olivieri* J. Gay – Gbulb, E Medit.; 34  
*Iris germanica* L. – Gbulb, escape from cultivation; 24  
*Romulea bulbocodium* (L.) Sebast. & Mauri – Gbulb, Stenomedit.; 34, 69  
*Romulea ramiflora* Ten. subsp. *ramiflora* – Gbulb, Stenomedit.; 55

#### **Juncaceae**

- Juncus acutus* L. – Hcaesp, Eurymedit.; 1, 11, 12, 28, 51 (Re), 66  
*Juncus bufonius* L. – Tcaesp, Cosmop.; 9, 53 (Re)  
*Juncus capitatus* Weigel – Tscap, Eurymedit.-Atl.; 9  
*Juncus gerardi* Loisel. – Grhz, Circumbor.; 67  
*Juncus heldreichianus* Parl. subsp. *heldreichianus* – Hcaesp, E Medit.; 10, 12, 15, 39, 45, 63  
*Juncus hybridus* Brot. – Tcaesp, Medit.-Atl.; 28  
*Juncus littoralis* C. A. Mey. – Hcaesp, Medit.-Turan.; 12, 15, 64, 70  
*Juncus minutulus* Krecz. & Gontch. – Tcaesp, Cosmop.; 9  
*Juncus subulatus* Forssk. – Grhz, S Medit.; 67  
*Luzula forsteri* (Sm.) DC. – Hcaesp, Eurymedit.; 39

#### **Juncaginaceae**

- Triglochin bulbosum* subsp. *barrelieri* (Loisel.) Rouy – Gbulb, Stenomedit.; 12, 28

#### **Lemnaceae**

- Lemna minor* L. – Hydrad, Subcosmop.; Re 1351 (LD)

#### **Liliaceae**

- Allium commutatum* Guss. – Gbulb, Stenomedit.; 72  
*Allium flavum* subsp. *tauricum* (Rchb.) Stearn – Gbulb, Stenomedit.; 15, 52  
*Allium paniculatum* subsp. *villosum* (Halácsy) Stearn (= *A. rhodopaeum* sensu Brullo & al. 1998) – Gbulb, Paleotemp.; 15  
*Allium scorodoprasum* subsp. *rotundum* (L.) Stearn (= *A. rotundum* L. sensu Mathew 1996) – Gbulb, Eurymedit.; 15

*Allium sphaerocephalon* subsp. *aegaeum* (Heldr. & Halácsy) Karavokyrou – Gbulb, Greek endemic; 2, 24

*Asparagus acutifolius* L. – Grhiz, Stenomedit.; 63

*Asparagus aphyllus* subsp. *orientalis* (Baker) P. H. Davis – Grfrut, E Medit.; 45, 75, 78

*Aphodelus ramosus* L. – Grhiz, Stenomedit.; 42, 74, 75

*Muscari commutatum* Guss. – Gbulb, C Medit.-Orient.; Biel (2002)

*Muscari comosum* (L.) Mill. – Gbulb, Eurymedit.; 21, 75

*Muscari weissii* Freyn – Gbulb, E Medit.; Biel (2002)

*Ornithogalum comosum* (L.) Mill. – Gbulb, Eurymedit.; 51 (*Rechinger* 1368 (LD) as *O. tenuifo-*  
*lium*), 60

*Ruscus aculeatus* L. – Grhiz, Eurymedit.; 19 (Br), 39, 63

#### ***Orchidaceae***

*Anacamptis pyramidalis* (L.) Rich. – Gbulb, Eurymedit. – Biel (2000)

*Ophrys apifera* Huds. – Gbulb, Eurymedit. – Biel (2000)

*Ophrys bombyliflora* Link – Gbulb, W Stenomedit. – Biel (2000)

*Ophrys fusca* Link. subsp. *fusca* – Gbulb, Stenomedit.; 21, Biel (2000, as *O. Leucadica* Renz)

*Ophrys heldreichii* Schltr – Gbulb, E Medit. – Biel (2000)

*Ophrys iricolor* Desf. – Gbulb, E Medit. – Biel (2000)

*Ophrys lutea* subsp. *galilaea* (H. Fleischm. & Bornm.) Soó – Gbulb, Stenomedit.; 28

*Ophrys lutea* subsp. *minor* (Tod.) O. Danesch & E. Danesch – Gbulb, Eurymedit. – Biel (2000,  
as *O. sicula* Tineo)

*Ophrys mammosa* Desf. – Gbulb, SE Europ.; 27

*Ophrys scolopax* subsp. *cornuta* (Steven) E. G. Camus – Gbulb, Eurymedit. – Biel (2000)

*Ophrys tenthredinifera* Willd. – Gbulb, Stenomedit. – Biel (2000)

*Ophrys umbilicata* Desf. subsp. *umbilicata* – Gbulb, E Medit.; 27

*Orchis coriophora* L. – Gbulb, Eurymedit. – Biel (2000)

*Orchis morio* L. – Gbulb, Eurymedit.; 28

*Orchis papilionacea* subsp. *heroica* (E.D. Clarke) H. Baumann – Gbulb, E Medit. – Biel (2000)

*Serapias vomeracea* subsp. *laxiflora* (Soó) Golz & Reinhard – Gbulb, Eurymedit. – Biel (2000)

#### ***Potamogetonaceae***

*Potamogeton nodosus* Poir. – Hydrad, Subcosmop.; 49 (Re 1372, LD)

*Potamogeton pectinatus* L. – Hydrad, Subcosmop.; 12

#### ***Ruppiaceae***

*Ruppia cirrhosa* (Petagna) Grande – Hydrad, Cosmop.; 67

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