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THE FLORA OF ŠIBENIK AND ITS SURROUNDINGS

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Investigations into the flora of Šibenik and its surroundings were carried out in the period from 1996 to 2001. A total of 1075 species and subspecies of *Pteridophyta* and *Spermatophyta* was found and 676 of them are reported for the first time in this paper. The findings of 399 taxa were confirmed among the 492 previously noted, but not confirmed for 93 taxa.

The results of the analysis of the flora show that Therophyta constitute a significant proportion of the flora (42.79%), as do plants of the Mediterranean floral element (37.86%) and also a significant presence of plants from the *Leguminosae* family (10.70%) which points to the Mediterranean character of flora of the investigated area.

Key words: flora analysis, Šibenik and surroundings, Croatia

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U razdoblju od 1996. do 2001. istraživana je flora Šibenika i okolice. Ukupno je pronađeno 1075 vrsta i podvrsta papratnjača i sjemenjača od kojih se 676 navodi prvi put u ovom radu. Od 492 prethodno zabilježene svojte potvrđen je nalaz za 399 a za 93 svojte nalaz nije potvrđen.

Rezultati analize flore pokazuju dominaciju terofita (42,79%) i biljaka mediteranskog flornog elementa (37,86%) te značajnu zastupljenost biljaka iz porodice *Leguminosae* (10,70%) što ukazuje na mediteranski karakter flore istraživanog područja.

Ključne riječi: analiza flore, Šibenik i okolica, Hrvatska

INTRODUCTION

The area of Šibenik is situated in the southern part of North Dalmatia between the Zadar coastal area in the north-west and the Split coastal in the south-east. The research covered the area of Šibenik with its surroundings of about 350 km^2 (Fig. 1). It belongs to the central coastal mezoregion of the Mediterranean macroregion of Croatia (NIKOLIĆ *et al.*, 1998:29, Fig.6), in the UTM net, quadrant WJ (100 × 100km).

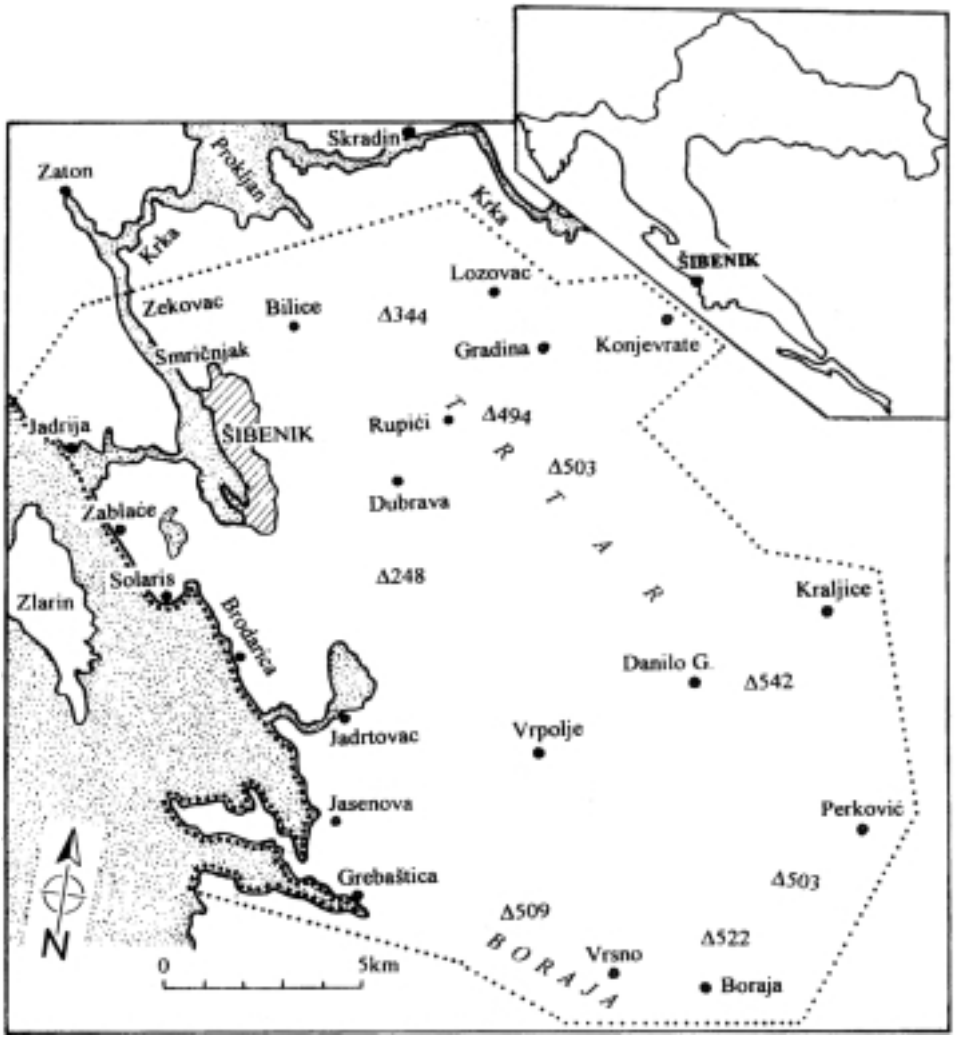

Fig. 1. Area of investigation

The area investigated is characterized by a Mediterranean climate. According to the results of measurements of the weather station in Šibenik for the period from 1986-1996 the average annual temperature was 15.5 °C and the average annual precipitation 711.7 mm.

Highland ridges and plateaus figure in the relief, becoming gradually higher from the sea to the hinterland, and there are small valleys among them. The altitude of the area is between 0 and 542 m. Limestones of Cretaceous-Palaeolithic age and great compactness are dominant in the petrographic structure (MAMUŽIĆ, 1966).

The coastal part of the investigated area belongs to the Mediterranean proper vegetation zone of the *Quercion ilicis* alliance, while other more remote inland parts and with somewhat greater altitudes to the the sub-Mediterranean vegetation zone of the *Ostryo-Carpinion* alliance (HORVATIĆ, 1967; TRINAJSTIĆ, 1998). The border between Mediterranean proper and the sub-Mediterranean zones passes approximately along the highland line of Trtar and Boraja in northwest-southeast direction.

Secondary types of habitats and vegetation (grassy areas and pastures in rocky ground, garrigue, maquis, oriental hornbeam underbrush) are dominant in the area of Šibenik. This is the result of the degradation of primary forest vegetation as a result of powerful and long-lasting human activities.

According to the available literature data, for the area of investigation, 492 plant taxa of *Pteridophyta* and *Spermatophyta* have been recorded so far: HOST (in VISIANI, 1826) notes 10 taxa, VISIANI (1826; 1842; 1847; 1852; 1872) 411 new taxa, MARKOVIĆ (1969) 11, GARNWEIDNER (1987) 13, TRINAJSTIĆ (1992) 31, STANČIĆ & PANDŽA (1999) 2, MILOVIĆ (2001) 9, and 5 new taxa are stated individually by different authors (PAVLETIĆ, 1987; ILIJANIĆ, 1990; TRINAJSTIĆ, 1993; SMITAL *et al.*, 1998; MILOVIĆ & RANDIĆ, 2001).

METHODS

The aim of the research was to establish the composition of wild flora of Šibenik and its surroundings and to make a taxonomical, ecological and phytogeografical analysis of it. I started my research work in autumn in 1996 and the investigation was finished in summer 2001.

Of cultivated species, only those that have ability to spread out of cultivated conditions were taken into consideration.

The specimens of plant taxa collected during this research are stored in the Herbarium of the Department of Botany, Faculty of Science, University of Zagreb (Hb Za).

The nomenclature in this paper is made to comply with TUTIN *et. al*. eds (1968–1980, 1993) except in the case of *Himantoglossum adriaticum* H. Baumann and *Iris adriatica* Trinajstić, which were defined according to DELFORGE (1995) and TRINAJSTIĆ *et al*. (1980).

The families with their appertaining species and subspecies are sorted in the list of flora alphabetically within the higher systematic groups.

Abbreviations for life forms are given in front of the name of each species and subspecies. Classification was done according to PIGNATTI (1982):

P	= Phanerophyta	**G**	= Geophyta
Ch	= Chamaephyta	**T**	= Therophyta
H	= Hemicryptophyta	**Hy**	= Hydrophyta

After the name of each species and subspecies within the flora list, the localities, types of habitats and floral element are given.

The localities within the area of investigation (Fig. 1) are marked by numbers from 1 to 22 (UTM grid, 10x10 km, in brackets):

1–Šibenik (WJ 74), **2**–Jadrija (WJ 64), **3**–Zablaće (WJ 64), **4**–Solaris (WJ 64), **5**–Jadrtovac (WJ 73), **6**–Grebaštica (WJ 73), **7**–Bilice (WJ 74), **8**–Lozovac WJ 74), **9**–Konjevrate (WJ 84), **10**–Rupići (WJ 74), **11**–Dubrava (WJ 74), **12**–Kraljice (WJ 84), **13**–Danilo Gornje (WJ 84), **14**–Vrpolje (WJ 73), **15**–Perković (WJ 83), **16**–Boraja (WJ 83), **17**–Smričnjak (WJ 74), **18**–Zekovac (WJ 74), **19**–Brodarica (WJ 73), **20**–Gradina (WJ 74), **21**–Vrsno (WJ 83) and **22**–Jasenova (WJ 73).

The habitats are marked by appropriate abbreviations in this way:

Aa = maquis
Ab = garrigue
Ac = Aleppo pine forests
Ad = oriental hornbeam underbrush
Ae = Christ´s-thorn underbrush
Af = stone fissures and stone blocks
Ba = rocky ground pasture
Bb = dry meadows
Bc = damp meadows
Ca = muddy and sandy sea bottom
Cb = muddy and sandy sea shores
Cc = stones and rocky ground by the sea
Cd = saltmarshes by the sea
Da = in the Ribnik stream
Db = by the edges of the Ribnik stream
Dc = in ponds
Dd = by the edges of ponds and puddles
Ea = along roads and paths
Eb = by field and house walls
Ec = in cracks in walls
Ed = gardens and flower beds
Ee = by stables, pigsties and dung heaps
Ef = trash dumps
Eg = heaps of garden soil and stones
Eh = railway and railroad embankments
Fa = cereal-planted fields
Fb = vegetable gardens in fields
Fc = vineyards and olive groves
Fd = untilled fields
Fe = abandoned crops overgrowing into underbrush
Ff = field boundaries and paths
Fg = hedges
G = in crops
Ha = semiparasite on *Quercus pubescens*
Hb = semiparasite on *Juniperus oxycedrus*
Hc = parasite on various plants
Hd = parasite on the roots of various plants

Geographical distribution data were used from different sources: BONNIER (1911–1935), FOURNIER (1961), RIKLI (1943–1948), TUTIN *et al*., eds. (1968–1980, 1993), HORVATIĆ & TRINAJSTIĆ eds. (1967–1981), TRINAJSTIĆ ed. (1975–1986), PIGNATTI (1982), HEGI (1936–1987).

The division of the plants into floral elements and lower categories is done according to HORVATIĆ (1963) and HORVATIĆ *et al*. (1967/1968) in the following way (abbreviations in brackets are applied in the flora list):

1. CENTRAL EUROPEAN FLORAL ELEMENT (CEU)

2. CIRCUM-HOLARCTIC PLANTS (CHSP)

3. CULTURAL & ADVENTITIOUS PLANTS (CUAD)

4. EAST EUROPEAN-PONTIC FLORAL ELEMENT (EEUPO)

5. EURASIAN FLORAL ELEMENT (EUAS)

6. EUROPEAN FLORAL ELEMENT (EU)

7. ILLYRIAN-BALKANIC FLORAL ELEMENT

- **A. Balkanic-Apennine plants (BAP)**
- **B. Illyrian-Balkanic endemic plants (IBE)**

8. MEDITERRANEAN FLORAL ELEMENT

- **A. Circum-Mediterranean plants (CME)**
- **B. East Mediterranean plants (EME)**
- **C. European Mediterranean plants (EUME)**
- **D. Illyrian Mediterranean plants**
  - D.1. Illyrian-Adriatic plants
    - *D.1.1. Illyrian-Adriatic endemic plants* **(IADE)**
    - *D.1.2. Illyrian-Apennine plants* **(IAP)**
  - D.2. Illyrian-South European plants **(ISEU)**
- **E. Mediterranean-Atlantic plants (MEAT)**
- **F. Mediterranean-Pontic plants (MEPO)**
- **G. West Mediterranean plants (WME)**

9. SOUTHEAST EUROPEAN FLORAL ELEMENT (SEEU)

10. SOUTH EUROPEAN FLORAL ELEMENT

- **A. South European-Atlantic plants (SEUAT)**
- **B. South European-continental plants (SEUCO)**
- **C. South European-Mediterranean plants (SEUME)**
- **D. South European-mountain plants (SEUMO)**
- **E. South European-Pontic plants (SEUPO)**

11. WIDESPREAD PLANTS (WSP)

With the species previously noted for the area of investigation, the name of the author, the year of publication as well as the name under which the species was registered, if different from that given in the flora list, are stated in brackets.

THE LIST OF FLORA

P T E R I D O P H Y T A

FILICOPSIDA

A s p l e n i a c e a e

H *Asplenium ceterach* L. *(=Ceterach officinarum* DC.*)*; 1,2,6–12,14,16; Af,Ec; **SEUME**

H *Asplenium onopteris* L.; 1; Ec; **CME**

H *Asplenium ruta-muraria* L.; 1,5,11,14,16; Af,Ec; **CHSP**

H *Asplenium trichomanes* L.; 1,5–8,10,12,14–16; Af,Ec; **WSP**

D r y o p t e r i d a c e a e

G *Polystichum setiferum* (Forskal) Woynar; 6; Ac,Af; **MEAT**

P o l y p o d i a c e a e

H *Polypodium cambricum* L. *(=P. australe* Fée*)*; 21; Ad,Af; **WSP**

S P E R M A T O P H Y T A

GYMNOSPERMAE : CONIFEROPSIDA

C u p r e s s a c e a e

P *Cupressus sempervirens* L.; 1,5,7–11,13,14; Ea,Ab,Ac,Aa; **EME**

P *Juniperus oxycedrus* L. subsp. *macrocarpa* (Sm.) Ball; 1–8,10,11; Ab,Ae,Aa,Ba,Fe; **CME**

P *Juniperus oxycedrus* L. subsp. *oxycedrus;* 1–16; Ae,Ba,Ab,Ad,Fe,Fh; **CME**

P *Juniperus phoenicea* L. subsp. *phoenicea;* 5–11; Ba,Ab,Ae,Ad; **CME**

P i n a c e a e

P *Pinus halepensis Mill.*; 1–7,9–11,13–15; Ac,Ba,Cc,Ab,Ae,G; **CME**

P *Pinus nigra* Arnold; 14–16: Ad; **SEUME**

P *Pinus pinea* L.; 6; Ae; **CME**; (HOST in VISIANI, 1826:XX)

P *Pinus pinaster* Aiton subsp. *pinaster (=P. hamiltonii* Ten.*)*; 19; Cc,Ab; **MEAT**

GYMNOSPERMAE : GNETOPSIDA

E p h e d r a c e a e

Ch *Ephedra foeminea* Forskal *(=E. fragilis* Desf. subsp. *campylopoda* (C.A.Meyer) Ascherson &Graebner); 1,2,5–7,10,13,14; Cc,Af; **EME**

ANGIOSPERMAE : DICOTYLEDONES

A c e r a c e a e

P *Acer campestre* L.; 9,12,15,16; Fg; **EU**

P *Acer monspessulanum* L.; 7–10,12,16; Ad,Fg; **SEUME**; (VISIANI, 1852:222)

P *Acer negundo* L.; 1; Fg; **CUAD**

Aizoaceae

Ch *Carpobrotus edulis* (L.) N.E.Br.; 6,19; G,Cc; **CUAD**

T *Mesembryanthemum crystallinum* L.; 6,19; G,Cc; **WME**

Amaranthaceae

T *Amaranthus albus* L.; 1–8,10,14–16; Fc,Fb,Ea,Eb,Ed; **CUAD**

T *Amaranthus blitoides* S.Watson; 1,4,7,11,15; Ed,Fc,Eg,Fb,Eb,Ea,Ee; **CUAD**

T *Amaranthus caudatus* L.; 1; G,Ed,Ea; **CUAD**

T *Amaranthus crispus* (Lesp. & Thev) N. Terrace; 1,8; Ed,Ea; **CUAD**; (MILOVIĆ, 2001)

T *Amaranthus cruentus* L.; 1; Ea,Ed; **CUAD**

T *Amaranthus deflexus* L.; 1–12,14–16; Ed,Fc,Fb,Eg,Eb; **CUAD**; (VISIANI, 1842:245 as *A. prostratum* Balb.)

T *Amaranthus graecizans* L.; 1–4,9–16; Ed,Fc,Fb,Eg; **CUAD**; (VISIANI, 1826:24 as *A. blitum*)

T *Amaranthus paniculatus* L.; 2,6,7; G,Eg,Ed,Ea; **CUAD**

T *Amaranthus powellii* S. Watson; 1,5,11; Ed,Ea,Eg,Fc; **CUAD**

T *Amaranthus retroflexus* L.; 1–9,11–16; Fc,Ea,Ed,Fb,Fd; **CUAD**; (VISIANI, 1826:24)

Anacardiaceae

P *Cotinus coggygria* Scop.; 7,9,10,12,15,16; Ad,Ae,Ba; **SEUPO**

P *Pistacia lentiscus* L.; 1–11,14; Aa,Ab,Ae,Fe; **CME**

P *Pistacia terebinthus* L; 1–16; Ab,Aa,Ad,Ba,Fe; **CME**

P *Rhus coriaria* L.; 1; Fe,Ea; **CME**

Apocynaceae

P *Nerium oleander* L.; G,Ea; 1–7,10,11,14,15; **CME**

Ch ***Vinca major* L.; 1–3,6,11; G,Ea; CME**

Araliaceae

P *Hedera helix* L.; 1–8,11–16; Ac,Ad,Fg,Fe; **EU**

Aristolochiaceae

G *Aristolochia rotunda* L.; 5,8,16; Fg,Bc; **CME**; (VISIANI, 1842:195)

Asclepiadaceae

G *Vincetoxicum hirundinaria* Medicus *subsp. adriaticum* (G. Beck) Markgraf; 2,4,7,8,10,12,14,15; Ba,Ab; **IADE**

Balsaminaceae

T *Impatiens balsamina* L.; 3; G,Eg; **CUAD**

Boraginaceae

H *Alkanna tinctoria* (L.) Tausch; 1; Fe,Ba,Bb; **CME**; (VISIANI, 1826:40 as *Lithospermum tinctorium)*

H *Anchusa azurea* Miller; 1,3,4,6,7,11–14; Fc,Fa,Fb,Fe,Fd,Ea; **SEUME**

T *Anchusa variegata* (L.) Lehm.; 1,2,8,9,12–15; Fe,Ba,Fd,Fe,Ff,Ea; **EME**; (VISIANI, 1826:25)

T *Buglossoides arvensis* (L.) I. M. Johnston subsp. *arvensis* (= *Lithospermum a.* L.); 1,3,5–11,13–16; Fd,Fc,Fb,Fa,Fe,Ea,Ed; **EUAS**

T *Buglossoides arvensis* (L.) I. M. Johnston subsp. *gasparinii* (Heldr. ex Guss.) R. Fernandes; 2,6,10,16; Fe,Ad,Fc; CME; (VISIANI, 1847:245 as *L. incrassatum* Guss.)

H *Buglossoides purpurocaeruleum* (L.) I.M. Johnston; 8,15,16; Ad,Fg; **SEUPO**

T *Cynoglossum columnae* Ten.; 1,2,5–11,13,14,16; Fe,Fd,Ea,Ff,Fc,Ba; **EME**; (VISIANI, 1872:94)

H *Cynoglossum creticum* Miller; 1,4,5,7,14,16; Fg,Ff,Fe,Ea; **CME**

H *Echium italicum* L.; 1,3–16; Ff,Fg,Ba,Ea; **CME**; (VISIANI, 1826:34)

T *Echium plantagineum* L.; 1–16; Ea,Eg,Fe,Ba; **MEAT**; (GARNWEIDNER, 1987)

H *Echium pustulatum* Sibith & Sm.; 17; Ea,Fe; **CME**; (VISIANI, 1826:34)

H *Echium vulgare* L.; 12; Fe,Ba; **EU**

T *Heliotropium europaeum* L.; 1–12,14,15; Fb,Fc,Fa,Ed,Fd,Eg,Ee,Ea; **MEPO**; (VISIANI, 1826:37)

T *Lappula squarosa* (Retz.) Dumort.; 8; Ff,Eg; **EUAS**

T *Myosotis arvensis* (L.) Hill.; 1,6–10,14–16; Ff,Fg,Ad,Ac,Ba; **EUAS**

T *Myosotis ramosissima* Rochel & Schultest.; 1,3,6–10,12–16; Ff,Fc,Ab,Ad; **EUAS**

T *Neatostema apulum* (L.) I. M. Johnston; 14; Fe,Ba; **CME**

T *Nonea ventricosa* (Sibith. & Sm.) Griseb.; 5; Fc; **CME**; (VISIANI, 1847: 251)

Ch *Onosma echioides* L.; 1,2,7,8,11,13,15; Ba,Ab,Af; **IAP**

C a c t a c e a e

P *Opuntia ficus indica* (L.) Miller; 2,6; G,Cc; **CUAD**

Ch *Opuntia vulgaris* Miller; 1,2,4–7,14; Fe,Ab,Ba; **CUAD**; (HOST in VISIANI, 1826:XX as *Cactus opuntia*)

C a m p a n u l a c e a e

T *Campanula erinus* L.; 1,6,10,11,13,16; Af,Ec; **CME**

H *Campanula pyramidalis* L.; 1–4,9–11; Af,Cc,Ab,Ba; **IADE**; (VISIANI, 1826:29)

H *Campanula rapunculus* L.; 7,8,10–16; Fg,Ad,Ab,Ae,Ac,Fe; **EUAS**

H *Campanula sibirica* L. subsp. *divergentiformis* (Ják.) Domin; 6,9,16; Ad,Ae,Af,Ac; **SEEU**; (VISIANI, 1847:129)

Ch *Edraianthus tenuifolius* (Waldst. & Kit.) A.DC.; 11; Af,Ad; **IADE**

T *Legousia hybrida* (L.) Delarbre; 1–6,9,10,12,13,16; Fc,Ff,Fe,Fd,Fe,Eg; **SEUAT**

T *Legousia speculum-veneris* (L.) Chaix; 5,7–9,12,13,16; Fb,Fg,Fa; **SEUME**; (VISIANI, 1826:29 as *Campanula cordata β albiflora*)

C a p p a r i d a c e a e

P *Capparis spinosa* L.; 1; Ec; **CME**

Caprifoliaceae

P *Lonicera etrusca* G. Santi; 7,9–12,16; Ad,Ae,Fg,Ba; **CME**

P *Lonicera implexa* Aiton; 1–4,7; Aa,Ab; **CME**

G *Sambucus ebulus* L.; 9,15,16; Fg,Fd,Fb,Ea; **EU**

P *Sambucus nigra* L.; 20; Fg; **EU**

P *Viburnum tinus* L.; 1–5; Aa,Ab,Ba,G; **CME**

Caryophyllaceae

T *Agrostemma githago* L.; 5,7,13,16; Fa,Fb; **WSP**

T *Arenaria serpyllifolia* L. subsp. *leptoclados* (Reichenb.) Nyman; 1–6,8–16; Ba,Eb,Ec,Ea,Ab,Fe; **EUAS**; (MARKOVIĆ, 1969 as *A. leptoclados* Guss.)

T *Arenaria serpyllifolia* L. subsp. *serpyllifolia;* 1–9,11–13,16; Ec,Ba,Ab,Ec; **WSP**; (VISIANI, 1826:26)

T *Cerastium brachypetalum* Desp. subsp. *brachypetalum;* 1,5,8,11,12; Ff,Fe,Ab; **SEUMO**; (VISIANI, 1852:184)

T *Cerastium brachypetalum* Desp. subsp. *roeseri* (Boiss. & Heldr.) Nyman; 1,2,4,6–8,16; Fe,Fd,Fc,Ba,Ab,Ac; **SEUAT**

T *Cerastium dubium* (Bast.) Guépin; 12,13; Fd,Fe,Ba,Ae; **SEEU**

T *Cerastium glomeratum* Thuill.; 3,5,14; Fc,Fa,Ff,Fg,Ed,Bc; **WSP**

T *Cerastium ligusticum* Viv. subsp. *ligusticum;* 8–12,14,16; Ba,Fc,Fd,Ab,Ae; **CME**

T *Cerastium ligusticum* Viv. subsp. *trichogynum* (Möschl) P.D.Sell.; 8,21; Ba,Ad,Ab; **IADE**

T *Cerastium pumilum* Curtis. subsp. *glutinosum* (Fries) Jalas; 1–6,8–16; Fd,Fe,Ba,Eg; **WSP**

T *Cerastium semidecandrum* L.; 5,8,15,16; Fd,Fe,Fc,Ba,Ab; **SEUPO**

Ch *Cerastium tomentosum* L.; 1,2,7; G,Ea; **IBE**

H *Dianthus carthusianorum* L.; 15; Ad; **CEU**

H *Dianthus ciliatus* Guss.; 1,9,11,12; Ab,Aa,Ad; **IADE**

H *Dianthus sylvestris* Wulfen subsp. *nodosus* (Tauch) Hayek; 8,12; Ab,Ba,Ad; **IADE**; (VISIANI, 1826:33)

H *Dianthus sylvestris* Wulfen subsp. *tergestinus* (Reichenb.) Hayek; 1,2,8–15; Ab,Ba,Ad,Ae; **IADE**; (TRINAJSTIĆ, 1992 as *D. tergestinus* (Rchb.) Kern.)

T *Herniaria glabra* L.; 1,2,6,11–14; Ea,Ba,Ea; **EUAS**

T *Herniaria hirsuta* L.; 1,2,5,8–10,12,13,16; Ba,Ea,Ff; **EU**

H *Herniaria incana* Lam.; 1,2,5,7–16; Ea,Ba,Ab,Ff; **SEUME**; (VISIANI, 1852:155; TRINAJSTIĆ, 1992)

T *Minuartia hybrida* (Vill.) Schischkin; 2,9,15,16; Ba,Ab; **EUAS**

T *Minuartia mediterranea* (Link.) K.Maly; 2,7; Ea,Eb; **CME**; (MARKOVIĆ, 1969)

Ch *Minuartia verna* (L.) Hiern. subsp. *collina* (Neilr.) Domin; 5,9–14,16; Ba,Ae,Ad; **EME**; (VISIANI, 1852:177 as *Alsine verna* Bartl.; TRINAJSTIĆ, 1992 as *M. verna* (L.) Hiern.)

H *Myosoton aquaticum* (L.) Moench; 1,7; Ed; **EUAS**

T *Petrorhagia prolifera* (L.) P.W. Ball & Heywood; 1–9,11,13–15; Ba,Ab,Fe,Fd,Ff; **EUAS**; (VISIANI, 1826:33 as *Dianthus prolifer*)

H *Petrorhagia saxifraga* (L.) Link; 1–15; Ab,Ba,Aa,Ad,Fd,Fe,Ac; **SEUME**; (TRINAJSTIĆ, 1992)

T *Polycarpon tetraphyllum* (L.) L.; 1,4,6,10,11,14; Eb,Ea; **SEUME**

T *Sagina maritima* G.Don.; 2–4,6; Cb; **MEAT**

H *Saponaria officinalis* L.; 1,7; G,Ea,Eg; **EUAS**

T *Silene conica* L. subsp. *subconica* (Friv.) Gavioli; 7; Fa,Fc,Ff; **EUAS**; (VISIANI, 1852:168)

T *Silene galica* L.; 1,3,4,6; Ea,Fe,Ff,Fd; **WSP**

H *Silene italica* (L.) Pers. subsp. *italica;* 7–9,11,14,15; Ad; **SEUME**; (VISIANI, 1852:170)

H *Silene latifolia* Poiret subsp. *latifolia* (=*S. alba* E.H.L. Krause subsp. *divaricatum* (Reichenb.) Walters); 1–5,7–9,11–15; Fd,Fe,Ea,Ff,Fg; **WME**

H *Silene otites* (L.) Wiebel. subsp. *otites;* 1,5,7–9,11–15; Ab,Ba,Aa,Ad,Ae; **SEUPO**; (VISIANI, 1852:170; TRINAJSTIĆ, 1992)

H *Silene paradoxa* L.; 1,8,15; Ab,Aa,Ac; **SEUAT**

H *Silene vulgaris* (Moench) Garcke subsp. *angustifolia* Hayek; 1–14,16; Ab,Ba,Af,Ac,Ea,Fg,Cc,Fd,Fe; **SEUME**

H *Silene vulgaris* (Moench) Garcke subsp. *vulgaris;* 1–14,16; Fd,Fe,Ff,Fg,Ab,Aa,Ae; **EUAS**

T *Spergularia marina* (L.) Griseb.; 2–6; Cc,Cd,Cb; **WSP**

T *Stellaria media* (L.) Vill. subsp. *media;* 1–16; Ed,Fb,Fc,Fd,Ff,Eg; **WSP**

T *Vaccaria hispanica* (Miller) Rauschert; 13; Fa,Ff; **WSP**; (VISIANI, 1826:46 as. *Saponaria vaccaria*)

T *Velezia rigida* L.; 1,3,6; Ba,Af; **CME**

Celastraceae

P *Euonymus europaeus* L.; 12; Fg; **EUAS**

Ceratophyllaceae

Hy *Ceratophyllum submersum* L.; 5; Dc; **EU**

Chenopodiaceae

Ch *Arthrocnemum fruticosum* (L.) Moq.; 2–5; Cd,Cb,Cc; **SEUME**; (VISIANI, 1842:236 as *Salicornia fruticosa* L.)

Ch *Arthrocnemum macrostachyum* (Moric.) C. Koch; 2–6; Cb,Cd,Cc; **SEUME**

P *Atriplex halimus* L.; 4,6; Ea,Eg; **MEAT**

T *Atriplex littoralis* L.; 1–6,10; Ed,Eg; **EUAS**

T *Atriplex patula* L.; 1,6–9,13–16; Ea,Fc,Ed,Fe; **CHSP**

T *Atriplex prostrata* Boucher ex DC. (=*A. hastata* auct., non L.); 1–7; Cb,Cd,Cc,Ed,Ea; **WSP**

T *Atriplex rosea* L.; 1,6; Ea,Eg; **WSP**

T *Bassia scoparia* (L.) A.J. Scott; 1; Ea,Eg; **EUAS**

H *Beta vulgaris* L. subsp. *maritima* (L.) Arcangeli; 2–8; Cc,Cd,Eg; **MEAT**; (VISIANI, 1842:241 as *B. maritima* L.)

Ch *Camphorosma monspeliaca* L.; 1,2,5,6; Cc,Cb,Cd,Eg; **CME**; (VISIANI, 1826:29)

T *Chenopodium album* L.; 1–16; Ed,Ea,Fc,Ef,Eg,Eb,Ee; **WSP**; (VISIANI, 1842:240)

T *Chenopodium ambrosioides* L.; 15; Ea; **CUAD**; (MILOVIĆ, 2001)

T *Chenopodium botrys* L.; 2,4,8; Eg,Ea; **WSP**

T *Chenopodium murale* L.; 1–3,5–12,14,16; Ed,Ea,Eg,Eb,Fd,Ef; **WSP**; (VISIANI, 1842:240)

T *Chenopodium opulifolium* Schrader ex Koch & Ziz; 1; Ed,Ea; **WSP**; (VISIANI, 1842:240 as *C. viride* L.)

T *Chenopodium polyspermum* L.; 1; Ed; **WSP**

T *Chenopodium vulvaria* L.; 1,3–8,10–16; Ea,Ed,Fc,Fb,Eg,Fd,Ff,Eb,Ee; **SEUME**

Ch *Halimione portulacoides* (L.) Aellen; 1–5; Cb,Cc,Cd; **WSP**

T *Polycnemum majus* A. Braun; 1,10,11,13–16; Ff,Ea,Fc,Ed; **SEUPO**

T *Salicornia europaea* L.; 2–5; Cb,Cd; **WSP**

T *Salsola kali* L. subsp. *kali;* 1–4,6; Cc,Cb,Cd; **WSP**; (VISIANI, 1826:46)

T *Salsola kali* L. subsp. *tragus* (L.) Nyman; Cc,Cb,Cd; 1,3,4,15; **SEUME**

T *Salsola soda* L.; 1–6; Cb,Cd; **SEUPO**

T *Suaeda maritima* (L.) Dumort; 2–5; Cc,Cb,Cd; **WSP**; (VISIANI, 1842:243)

Cistaceae

P *Cistus incanus* L. subsp. *creticus* (L.) Haywood; 1–4,6,10; Ab,Ba; **EME**

P *Cistus incanus* L. subsp. *incanus*; 1–4,6,7; Ab,Ba,Ac; **CME**; (VISIANI, 1852:148 as *C. villosus* L.)

P *Cistus salviifolius* L.; 1,3,4,6,7; Ab,Ba; **CME**

Ch *Fumana ericoides* (Cav.) Gand.; 1–4,6–11,14; Ba,Ab,Ae; **CME**

Ch *Fumana procumbens* (Dunal.) Gren & Godron; 1,2,5–16; Ba,Ab,Ae; **SEUME**; (TRINAJSTIĆ, 1992 as *F. vulgaris* Spach.)

Ch *Fumana thymifolia* (L.) Spach ex Webb; 1,7,10,11,13,14; Ba,Ab; **CME**; (VISIANI, 1826:33 as *Cistus glutinosus*)

Ch *Helianthemum nummularium* (L.) Miller subsp. *obscurum* (Čelak) J. Holub; 1,2,7–12,14,15; Ba,Ab,Ae,Ad; **SEUME**

Ch *Helianthemum oelandicum* (L.) DC. subsp. *italicum* (L.) Font Quer & Rothm.; 7,10,12–14; Ba,Ab,Ae,Af; **SEUME**

T *Helianthemum salicifolium* (L.) Miller; 9,13,14; Ba,Ff,Fe; **SEUME**; (VISIANI, 1852:145)

C o m p o s i t a e

Subfam. Asteroideae (=Asteraceae)

H *Achillea collina* J. Becker ex Reichenb.; 5,9; Ff,Bb; **CEU**

H *Achillea millefolium* L. subsp. *millefolium;* 7–9,12,13,16; Bb,Ff,Fe; **WSP**; (VISIANI, 1826:23 as *A. magna*; 1847:82 as *A. millefolium* L. α *sylvatica*)

H *Achillea setacea* Waldst. & Kit.; 1,5,7,9–12,14–16; Ff,Fe,Bb,Ba; **SEUME**

T *Ambrosia artemisifolia* L.; 1,3,15; Ea,Eh; **CUAD**; (MILOVIĆ, 2001)

T *Anacyclus clavatus* (Desf.) Pers.; 1,4,8,15; Ea,Ff; **CME**

T *Anthemis altissima* L. (=*Cota altissima* (L.) Gay.); 7,9,13,14; Fa,Fb,Ff; **SEUME**

T *Anthemis arvensis* L. subsp. *arvensis;* 1,4,6,7,14; Ea,Fc,Ed,Fd,Fb; **WSP**

T *Anthemis arvensis* L. subsp. *incrassata* (Loisel.) Nyman; 1–4,6–15; Ea,Eg,Ed,Ba; **CME**

T *Anthemis cotula* L.; 13; Fa,Fb,Fd; **WSP**

T *Anthemis segetalis* Ten.; 1,2,5–7,12; Ea,Eg,Ba; **ISEU**

Ch *Artemisia absinthium* L.; 1,4,7–9,13,15; Ea; **EUAS**

Ch *Artemisia alba* Turra; 9; Ea,Af; **SEUME**

T *Artemisia annua* L.; 3,4; Ea,Eh; **CUAD**

Ch *Artemisia caerulescens* L.; 2–5; Cb,Cd,Cc; **IAP**

H *Artemisia verlotiorum* Lamotte; 1,2,7,9; Ea,Eg; **CUAD**; (SMITAL *et al.*, 1998)

H *Artemisia vulgaris* L.; 1,4,7,9; Ea,Fg; **WSP**

H *Aster linosyris* (L.) Bernh.; 1,2–4,7; Ab,Fe,Ba; **SEUPO**; (VISIANI, 1826:31 as *Chrysocoma linosyris*)

T *Aster squamatus* (Sprengel) Hieron; 1,2,3,4,5,6; Ea,Fd,Eg,Cd; **CUAD**; (MILOVIĆ, 2001)

H *Aster tripolium* L.; 2; Cd; **WSP**

T *Asteriscus aquaticus* (L.) Less.; 1,5,6; Eg; **CME**; (VISIANI 1826:28 as *Buphthalmum a.*)

T *Bellis annua* L.; 1,3–5,11; Bb,Ed; **CME**

H *Bellis perennis* L.; 4,5; Ea,Dd,Bc; **CEU**

H *Bellis sylvestris* Cyr.; 1,3–9,11–16; Ab,Aa,Ba; **CME;** (VISIANI, 1826:27)

T *Bidens subalternans* DC.; 1–4,6–10,11,14–16; Ea,Fd,Eg,Eb,Ed; **CUAD**; (TRINAJSTIĆ, 1993)

T *Bombycilaena erecta* (L.) Smolj.; 1–11,13–16; Ea,Ab,Ba,Fe; **SEUPO**; (VISIANI, 1847:60 as *Micropus erectus* L.)

T *Calendula arvensis* L.; 1–16; Ff,Fc,Fb,Fa,Ed,Ea; **SEUME**

T *Calendula officinalis* L.; 2–4,6,7; Ea,Eg; **CUAD**

H *Carduus micropterus* (Borbas) Teyber; 1,2,4–16; Ab,Ba,Fd,Fe; **IADE**

H *Carduus pycnocephalus* L.; 1–16; Ea,Fd,Fe,Ae,Ba; **CME**; (VISIANI, 1847:47)

H *Carlina corymbosa* L.; 1–16; Ab,Ba,Fd,Fe,Ae,Ea; **CME**; (TRINAJSTIĆ, 1992)

H *Carlina vulgaris* L.; 10,12,15; Bb,Ba,Fe; **EUAS**

T *Carthamus lanatus* L. subsp. *lanatus;* 1–5,7–16; Ea,Fe,Ba,Fd,Fe; **CME**; (TRINAJSTIĆ, 1992)

H *Centaurea calcitrapa* L.; 1,5,7–16; Ea,Ff,Ee; **MEAT**; (MARKOVIĆ, 1969)

T *Centaurea cyanus* L.; 15; Fa; **WSP**

H *Centaurea nigrescens* Willd. subsp. *nigrescens;* 8; Ea; **SEUCO**

H *Centaurea pannonica* (Heuffel) Simonkai; 2–5,9,10,13,16; Ba,Fe,Fg; **EEUPO**

H *Centaurea rupestris* L.; 10,12; Ba,Ae; **IAP**

H *Centaurea scabiosa* L.; 12; Ba,Bb; **EUAS**

H *Centaurea solstitialis* L. subsp. *solstitialis;* 1,5–10,12–16; Ae,Ba,Ea,Ee,Ff; **SEUPO**

H *Centaurea spinosociliata* Seenus subsp. *cristata* (Bartl.) Dostal; 1–15; Ba,Ab,Fe; **IADE**; (VISIANI, 1847:38 as *C. cristata* Bartl.)

H *Centaurea spinosociliata* Seenus subsp. *spinosociliata;* Ba,Ad; 16,21; **IADE**; (TRINAJSTIĆ, 1992)

H *Centaurea triumfetii* All.; 2,12,15,16; Ad,Ab; **SEUMO**

T *Chamomilla recutita* (L.) Rauschert; 1,3,5,6,8,15; Ea,Eg; **WSP**

T *Chrysanthemum coronarium* L.; 1; Ea; **CME**

T *Cirsium arvense* (L.) Scop.; 1,5,9,12–14,16; Fd,Fe,Fb,Fa,Fc; **EUAS**

H *Cirsium vulgare* (Savi) Ten.; 1,3–6,8–10,12–16; Ea,Fe,Fd,Eg; **EUAS**

T *Conyza bonariensis* (L.) Cronq; 1–7,9–11,14–16; Ea,Ed,Fd,Fc,Eb,Eg,Ee; **CUAD**

T *Conyza canadensis* (L.) Cronq; 1–16; Ea,Ed,Fd,Fe,Fc,Eg,Eb; **CUAD**

T *Cosmos bipinnatus* Cav.; 2,3; Eg,Ea; **CUAD**

T *Crupina crupinastrum* (Moris.) Vis.; 1–16; Ba,Ab,Ae,Fe,Fc; **SEUME**; (VISIANI, 1847:42)

T *Dittrichia graveolens* (L.) W. Greuter; 1,6,10; Ea,Eg; **SEUME**

H *Dittrichia viscosa* (L.) W. Greuter; 1–8,10–16; Fd,Fe,Ff,Eg; **CME**; (GARNWEIDNER, 1987)

H *Echinops ritro* L.; 4; Ba,Fe; **SEUPO**

H *Erigeron acer* L. subsp. *acer;* 5,7,15,16; Fd,Fe,Ff,Fc; **WSP**; (VISIANI, 1826:34 as *E. acre*)

T *Erigeron annuus* (L.) Pers. subsp. *annuus;* 1,15; Ea,Fd; **CUAD**

T *Erigeron annuus* (L.) Pers. subsp. *septentrionalis* (Fernald & Wieg.) Wagenitz; 1,6,7,15; Ea,Fd; **CUAD**

T *Filago pyramidata* L.; 1–8,10–16; Ba,Ab,Ae,Ea; **SEUME**; (MARKOVIĆ, 1969 as *F. spathulata* Presl)

T *Filago vulgaris* Lam.; 12,14; Ba; **WSP**

T *Galinsoga parviflora* Cav.; 1,6,15; Ea,Ed; **CUAD**; (MILOVIĆ, 2001)

G *Helianthus tuberosus* L.; 1,3,6,7,9,15,16; G,Ea,Eg; **CUAD**

Ch *Helichrysum italicum* (Roth) G. Don fil.; 1–16; Ba,Ab,Ae,Ad,Fe; **CME**; (TRINAJSTIĆ, 1992)

H *Inula conyza* DC.; 1–15; Ba,Ab,Ae,Fd; **SEUPO**; (VISIANI, 1826:32 as *Conyza squarrosa*)

Ch *Inula crithmoides* L.; 1–6; Cc,Cd,Cb; **MEAT**

H *Inula oculus-christi* L.; 10–12; Ba,Ad; **SEUPO**

H *Inula spiraeifolia* L.; 1,2,7–10,12,15,16; Ab,Ba,Fe; **SEUME;** (VISIANI, 1826:38 as *I. squarrosa*)

Ch *Inula verbascifolia* (Willd.) Hausskn. subsp. *verbascifolia;* 1,6,8–16; Af,Cc,Ec; **IADE**; (HOST in VISIANI, 1826:XX as *Conyza candida*; TRINAJSTIĆ, 1992)

H *Jurinea mollis* (L.) Reichenb. subsp. *mollis;* 17; Ba; **SEEU**

H *Leucanthemum leucolepis* (Briq. & Cavillier) Horvatić; 8,9,12–14; Ea,Bc; **SEUME**

H *Leucanthemum praecox* (Horvatić) Horvatić (=*L. vulgare* Lam. subsp. *triviale* (Gaudin) Briq & Cavillier pro parte); 8,12,13; Ea; **EUAS**

T *Matricaria perforata* Mérat (=*M. inodora* L.)*;* 13; Fa; **EUAS**

T *Matricaria trichophylla* (Boiss.) Boiss.*;* 1; Ea; **SEUPO**

H *Onopordum illyricum* L. subsp. *illyricum;* 1,5–15; Ea,Ff,Ba; **CME**; (GARNWEIDNER, 1987)

T *Pallenis spinosa* (L.) Cass. subsp. *spinosa;* 1–11,13,14; Ba,Fe,Fd,Ff,Ea,Eg; **CME**; (VISIANI, 1826:28 as *Buphthalmum spinosum;* GARNWEIDNER, 1987)

H *Picnomon acarna* (L.) Cass.*;* 1,5–16; Ba,Ae,Ea; **CME**; (VISIANI, 1847:50 as *Cirsium a.* DC.)

H *Pulicaria dysenterica* (L.) Bernh.*;* 3,5,13; Dd,Db,Cd,Bc; **SEUME**

Ch *Santolina chamaecyparissus* L. subsp. *squarosa* (DC.) Nyman; 1,2,6; G,Ea; **WME**

Ch *Senecio cineraria* DC.*;* 2,4,6; G,Eg,Cc; **WME**

H *Senecio erucifolius* L.*;*1,4–6; Ea,Fe,Eg; **EUAS**

H *Senecio jacobaea* L.*;* 7; Ad,Ba; **EUAS**

T *Senecio vulgaris* L.; 1–16; Fc,Ea,Ed,Eg; **WSP**; (VISIANI, 1826:47 as S. *lividus*)

T *Tagetes minuta* L.; 1,4,6; Ed,Ea,Eg; **CUAD**; (MILOVIĆ, 2001)

T *Tagetes patula* L.; 1–3,6,7,11,15; G,Ea,Eg; **CUAD**

Ch *Tanacetum cinerariifolium* (Trev..) Shultz Bip.; 1–8,10,11,14,15; Ab,Ba,Ad,Af; **IADE**; (VISIANI, 1826:31 as *Chrysanthemum turreanum*; TRINAJSTIĆ, 1992)

T *Tanacetum parthenium* (L.) Shultz Bip.; 1,7,9,15,16; G,Ea,Eg; **WSP**; (VISIANI, 1847:88 as *Chrysanthemum parthenium* Pers.)

H *Tanacetum vulgare* L.; 7,9; G,Ea; **EUAS**

G *Tussilago farfara* L.; 3,5; Bc,Fg; **EUAS**

T *Tyrimnus leucographus* (L.) Cass.; 1,2,4–7,10,11,13–15; Ba,Ea,Fd,Fe; **EUME**; (VISIANI, 1826:29 as *Carduus leucographus*)

T *Xanthium spinosum* L.; 1,3–6,8–16; Ea,Ee,Fd,Fc,Ff; **CUAD**

T *Xanthium strumarium* L. subsp. *italicum* (Moretti) D. Löve; 1–3,15; Ea,Eg,Ee; **CUAD**; (VISIANI, 1847:127)

T *Xeranthemum inapertum* (L.) Miller; 1,7–10,12; Ab,Ba,Fe; **SEUPO**; (VISIANI, 1847:27)

Subfam. Cichorioideae (=Cichoriaceae)

H *Chondrilla juncea* L.; 1–6,8–16; Ea,Fc,Fd,Eg,Ba,Eb,Ed; **EUAS**

T *Cichorium endivia* L.; 3,6,11; G,Ea,Ff; **CUAD**

H *Cichorium intybus* L.; 1–16; Ea,Ed,Eg,Fc,Fe,Fd; **WSP**; (GARNWEIDNER, 1987)

H *Crepis biennis* L.; 5; Bc; **CEU**

H *Crepis chondrilloides* Jacq.; 21; Ad,Ba; **IADE**

T *Crepis dioscoridis* L.; 2,3; Ba,Ea; **EME**

T *Crepis foetida* L. subsp. *foetida*; 1–7,9–15; Ff,Fc,Fe,Fd,Ea,Eb; **SEUME**; (VISIANI, 1847:117)

T *Crepis foetida* L. subsp. *rhoeadifolia* (Bieb.) Čelak; 1,3; Ea,Ba; **EEUPO**

T *Crepis neglecta* L.; 4,6,9,12–16; Ba,Ad,Fe; **EUME**

T *Crepis pulchra* L.; 5,7,9,15; Ea,Fg,Fe; **SEUME**; (VISIANI, 1847:120)

T *Crepis rubra* L.; 1–4,6–16; Ea,Ba,Ed,Fc,Fd,Fe; **EME**; (VISIANI, 1826:17 as *C. incarnata*)

T *Crepis sancta* (L.) Babcock; 1–16; Ea,Ba,Eb,Ed,Fc,Fb,Fe,Fd,Ff,Eg,Bb; **EME**; (VISIANI, 1826:19 as *Trichocrepis bifida*)

T *Crepis setosa* Haller fil.; 4,5,7,11,16; Ba,Bc,Ff; **SEUPO**; (VISIANI, 1847:117; MARKOVIĆ, 1969)

T *Crepis vesicaria* L. subsp. *haenseleri* (Boiss ex DC.) P.D. Sell; 1,5,10,11,13,15; Bc,Ff,Fg; **SEUME**

T *Crepis vesicaria* L. subsp. *vesicaria;* 1,3,7,8,11,12,14,15; Fe,Ba,Ff; **SEUME**; (VISIANI, 1847:116)

T *Crepis zacintha* (L.) Babcock; 4,6,7,10,11,13,15,16; Ba,Ff,Fe,Ea;**CME**

T *Hedypnois cretica* (L.) Dum.-Courset; 1,4–6,10,11,14; Ea,Ba,Fe,Fc,Fd; **CME**; (VISIANI, 1826:37 as *H. tubaeformis*)

H *Hieracium heterogynum* (Froelich) Guterm.; 2,3,6–12,14–16; Ab,Ba,Ad; **IBE**; (VISIANI, 1826:37 as *H. glaucum*)

H *Hieracium hoppeanum* Shultes subsp. *testimoniale* Naegeli ex Peter; 9–12,14–16; Ba,Ad,Ae,Ab; **SEUMO**

H *Hieracium pilloseloides* Vill. subsp. *pilloseloides* (=*H. florentinum* All.); 12; Ba,Ad; **ISEU**

H *Hieracium prealtum* Vill. ex Gochnat subsp. *bauhinii* (Besser) Petunikov; 1–16; Ba,Fe,Ae,Ad,Ab,Aa; **EUAS**; (TRINAJSTIĆ, 1992 as *H. bauhinii* Schultes)

T *Hyoseris scabra* L.; 13,14; Ea; **CME**

H *Hypochoeris cretensis* (L.) Bory & Chaub.; 2,5,7,10,11,13,14; Bb,Ff,Ba,Ea; **EME**

T *Lactuca saligna* L.; 1–6,9,13,14,16; Ea,Eg; **SEUPO**; (VISIANI, 1826:39)

H *Lactuca serriola* L.; 1–7,9–16; Ea,Ba,Fd,Fc,Ff,Eg; **WSP**

H *Lactuca viminea* (L.) J. & C. Presl.; 1–16; Ea,Ba,Eb,Fd,Fe,Fc,Ff,Fh; **SEUPO**; (VISIANI, 1847:114 as *Phoenixopus vimineus* Rchb.)

H *Leontodon crispus* Vill. subsp. *rossianus* (Degen & Lengyel) Hayek; 2,4,7–11,13–16; Ba,Ab,Ad,Bb,Fe; **SEUME**; (TRINAJSTIĆ, 1992 as *L. crispus* Vill.)

T *Leontodon taraxacoides* (Vill.) Merat *subsp. taraxacoides;* 13; Bc; **SEUME**

H *Leontodon tuberosus* L.; 2,3,6,7,13–16; Ba,Fd,Fe; **CME**; (VISIANI, 1847:103 as *Thrincia tuberosa* DC.)

T *Picris echioides* L.; 1,3–9,11,13–15; Fd,Fc,Fb,Fa,Bc,Ba,Ea,Eg,Ed; **CME**; (VISIANI, 1826:37 as *Helminthia echioides*)

H *Picris hieracioides* L. subsp. *spinulosa* (Bertol. ex Guss.) Arcangeli; 1–16; Ba,Ab,Ea,Eb,Eg,Fd,Fe; **EUAS**; (VISIANI, 1826:43)

H *Picris hispidissima* (Bartl.) Koch; 7,8,10–12; Ba,Af,Ad; **IADE**

H *Reichardia picroides* (L.) Roth.; 1–11,13–16; Ba,Ab,Af,Ea,Ad,Cd,Ec,Eb; **CME**; (VISIANI, 1826:43 as *Picridium vulgare*)

T *Rhagadiolus stellatus* (L.) Gaertner; 1,5–16; Eg,Ff,Fd,Fc,Eg,Ea; **CME**

H *Scolymus hispanicus* L.; 1–5,7–16; Ba,Ea,Ab,Ae,Ee,Eg,Fd,Fe; **CME**

H *Scorzonera laciniata* L.; 1–6,8–14,16; Ba,Fd,Ff,Fg; **WSP**; (VISIANI, 1826:47; MARKOVIĆ, 1969 as *Podospermum laciniatum* (L.) DC.)

H *Scorzonera villosa* Scop. subsp. *villosa;* 1–4,7–10,12–15; Ba,Ab,Fe,Af,Ea; **ISEU**; (VISIANI, 1826:47; TRINAJSTIĆ, 1992)

T *Sonchus asper* (L.) Hill subsp. *glaucescens* (Jordan) Ball; 1–16; Ea,Ed,Fc,Fb,Eb,Eg; **CME**

T *Sonchus oleraceus* L.; 1–16; Ea,Fc,Fb,Fa,Ff,Eg,Ed; **WSP**; (VISIANI, 1826:48 as *S. arvensis*)

T *Sonchus tenerrimus* L.; 1–4,6; Ea,Cc,Eg; **CME**

H *Taraxacum laevigatum* (Willd.) DC.; 1–16; Ba,Ff,Fe,Ed,Ea,Ab; **SEUME**

H *Taraxacum megalorhizon* (Forskal) Hand.-Mazz.; 1,3–11,13,14,16; Ea,Ff; **CME**

H *Taraxacum officinale* agg.; 1–9,11,12,15,16; Ea,Ed,Fd,Fc,Eb; **WSP**

H *Taraxacum palustre* agg.; 5,13; Bc; **EUAS**

H *Tragopogon crocifolius* L. subsp. *crocifolius*; 6,8,10,15,16; Ba,Ad,Ae; **CME**; (VISIANI, 1847:109)

H *Tragopogon dubius* Scop.; 1,3–6,8,10,11,13–16; Ba,Bb,Fc,Fd,Fe,Fg; **SEUPO**

H *Tragopogon porrifolius* L.; 1–4,6–16; Ba,Bb,Ab,Fd,Fe; **CME**; (VISIANI, 1847:108)

H *Urospermum dalechampii* (L.) Scop. ex W. Schmidt.; 4; Ba,Ab,Fe; **CME**

T *Urospermum picroides* (L.) Scop. ex Schmidt.; 1–7,10,11,13,14,16; Ba,Ab,Af,Ea,Fc; **CME**

Convolvulaceae

H *Calystegia silvatica* (Kit.) Griseb.; 2; Cb,Ea; **SEUME**; (VISIANI, 1847:228 as *Convolvulus sylvestris* W.)

H *Convolvulus althaeoides* L. subsp. *tenuissimus* (Sibith. & Sm.) Stace; 1–8,10,11,13,14,16; Ba,Ab,Ac,Af,Fe,Cc; **EME**; (HOST in VISIANI, 1826:XX as *C. althaeoides*; VISIANI, 1847:229 as *C. tenuissimus* Sibith et Sm.)

G *Convolvulus arvensis* L.; 1–16; Fc,Ed,Fb,Fg,Ea,Eg; **WSP**; (GARNWEIDNER, 1987)

H *Convolvulus cantabrica* L.; 7–15; Ba,Ab,Ad,Af,Fe; **SEUME**; (VISIANI, 1826:31)

T *Ipomoea purpurea* Roth.; 1,3,4,7; G,Ea,Eg; **CUAD**

C o r n a c e a e

P *Cornus mas* L.; 8,9,12,15,16; Fg,Ad; **SEUCO**; (VISIANI, 1826:32 kao *C. mascula*)

P *Cornus sanquinea* L. subsp. *sanguinea;* 9,15; Fg; **EU**

C o r y l a c e a e

P *Carpinus orientalis Miller*; 7,9–12,15,16; Ad,Fg; **ISEU**

P *Ostrya carpinifolia* Scop.; 10,12,15,16; Ad,Fg; **ISEU**

C r a s s u l a c e a e

Ch *Sedum acre* L.; 1,2,5–16; Af,Ba,Ec; **EUAS**

Ch *Sedum album* L.; 9,12; Af,Ff; **EUAS**; (VISIANI, 1852:188)

T *Sedum caespitosum* (Cav.) DC.; 12; Af,Ea; **CME**

Ch *Sedum dasyphyllum* L.; 18; Cc,Af; **SEUME**

T *Sedum hispanicum* L.; 1,13,16; Af; **SEUPO**; (VISIANI, 1852:188)

Ch *Sedum ochroleucum* Chaix; 1,2,7–12; Ba,Ab,Af,Cc; **SEUME**

Ch *Sedum sexangulare* L.; 1,2,5–16; Ba,Af,Ab,Cc; **EU**; (TRINAJSTIĆ, 1992)

H *Sedum telephium* L. subsp. *maximum* (L.) Krocker; 1,2,15; Fg,Fe,Af; **EUAS**; (VISIANI, 1852:186 as *S. maximum* Hoffm.)

Ch *Sempervivum tectorum* L.; 1,3,5; Ec; **CEU**

C r u c i f e r a e (=Brassicaceae)

Ch *Aethionema saxatile* (L.) R. Br. subsp. *saxatile*; 1,2,4,6,7,9–16; Af,Ab,Ba,Ad,Ea,Ac; **SEUME**; (VISIANI, 1826:49 as *Thlaspi saxatile*; TRINAJSTIĆ, 1992)

H *Alliaria petiolata* (Bieb) Cavara & Grande; 9,10,12,15,16; Fg,Af,Ad; **EUAS**

Ch *Alyssoides utriculata* (L.) Medicus; 9; Af; **SEUME**

T *Alyssum alyssoides* (L.) L.; 1–5,7–16; Ea,Ff,Ba,Fe; **SEUME**; (VISIANI, 1826:24 as *A. calycinum*)

T *Alyssum minus* (L.) Rothm. subsp. *minus;* 1–14,16; Ea,Ba,Fc,Fd,Ff,Eg,Ed; **CME**

T *Arabidopsis thaliana* (L.) Heynh.; 12; Ba,Ad; **WSP**

H *Arabis collina* Ten. (=*A. muralis* Bertol.); 10; Ba,Ad; **SEUME**

H *Arabis glabra* (L.) Bernh.; 8,12; Ad; **WSP**; (VISIANI, 1852:126 as *Turritis glabra* L.)

H *Arabis hirsuta* (L.) Scop.; 1–4,6–16; Ba,Ad,Ab,Ae,Fe,Fd,Fc,Ea; **WSP**

H *Arabis turrita* L.; 10; Ad; **SEUME**

T *Arabis verna* (L.) R.Br.; 6,14,16; Ad,Af; **CME**

G *Armoracia rusticana* P. Gaertner, B. Meyer & Scherb; 9; Dd; **WSP**

Ch *Aurinia sinuata* (L.) Griseb.; 1–6,8–11,13–16; Ba,Ab,Af,Ea,Ad,Fa,Fe; **IAP**; (VISIANI, 1852:115 as *Alyssum sinuatum* L.)

H *Berteroa mutabilis* (Vent.) DC.; 8,9; Ea,Ed; **IAP**; (VISIANI, 1852:119)

T *Biscutella cichoriifolia* Loisel.; 1,7–9,16; Ba,Ab,Ad,Af,Ea; **SEUME**; (VISIANI, 1826:28 as *B. dilatata* nob.)

T *Brassica nigra* (L.) Koch; 3,5,7; Ea,Ff; **CUAD**

Ch *Brassica oleracea* L.; 1,3,5,6,10; G,Ea,Ff; **CUAD**

T *Brassica rapa* L. subsp. *sylvestris* (L.) Janchen; 1,11; Ea; **CUAD**

T *Bunias erucago* L.; 1,3–6,9,11–15; Ea,Fe,Ff; **SEUME**

T *Calepina irregularis* (Asso) Thell.; 4,5,13; Ea,Fg; **EU**

H *Capsella bursa-pastoris* (L.) Medicus; 7,9,11,12,15,16; Ff,Fg,Fb; **WSP**

T *Capsella rubella* Reuter; 1–16; Ea,Ed,Ff,Fc,Fb,Fd,Eg; **CME**; (MARKOVIĆ, 1969)

T *Cardamine graeca* L.; 16; Af,Ad,Fg; **SEUME**

T *Cardamine hirsuta* L.; 1–12,14–16; Fg,Ff,Fe,Fd,Fc,Ea,Ae; **WSP**

H *Cardaria draba* (L.) Desv.; 1–5,7–11,13,15,16; Ea,Eg,Ff,Fg,Fc,Fb,Ed; **WSP**; (VISIANI, 1852:109 as *Lepidium draba* L.)

T *Clypeola jonthlaspi* L.; 1–5,9–12,14,16; Ba,Ab,Ad,Ae,Ea,Fc,Fd; **CME**; (VISIANI, 1852:107)

T *Diplotaxis erucoides* (L.) DC.; 1–16; Ea,Fc,Ed,Eg,Fd,Fb; **WME**; (PAVLETIĆ,1987)

T *Diplotaxis muralis* (L.) DC.; 1,3–7,9–11,14,15; Ea,Ed,Fc,Fd,Fb,Eb; **WSP**

H *Diplotaxis tenuifolia* (L.) DC.; 1–9,11–15; Ea,Ed,Fc,Fd,Eb,Eg,Fb,Ff; **WSP**

T *Diplotaxis viminea* (L.) DC.; 12; Fb; **CME**; (VISIANI, 1826:48 as *Sisymbrium vimineum*)

T *Erophila verna* (L.) Chevall. subsp. *praecox* (Steven) Walters; 1–16; Ba,Ab,Ad,Ea,Fd,Fc,Fe; **WSP**

T *Eruca vesicaria* (L.) Cav. subsp. *sativa* (Mill.) Thell.; 1–3,5–7,9,11,13; Ea,Eg,G; **SEUME**

Ch *Erysimum cheiri* (L.) Crantz.; 2,3,6; G,Eg,Ea; **CUAD**; (VISIANI, 1826:30 as *Cheiranthus c.*)

H *Hesperis laciniata* All. (incl. *H. glutinosa* Vis.); 9,10,16; Af,Ad; **ISEU**; (VISIANI, 1852:130)

T *Hornungia petraea* (L.) Reichenb.; 5,6,10–12,14,16; Af,Ba,Ab,Ad; **WSP**; (VISIANI, 1826:39 as *Lepidium petraeum*)

T *Iberis umbellata* L.; 21; Ba,Ad; **IADE**

H *Isatis tinctoria* L.; 8,9,12,15; Ea,Fe,Fd,Bb; **EEUPO**

T *Lepidium campestre* (L.) R.Br.; 5,8,12,15; Ea,Eg; **WSP**

H *Lepidium graminifolium* L. *subsp. suffruticosum* (L.) P. Monts.; 1–7,9–11,13–15; Ea,Eb,Eg,Ff; **SEUPO**

H *Lepidium graminifolium* L. subsp. *graminifolium;* 4; Ea,Ff; **SEUPO**

T *Lepidium virginicum* L.; 1,5,15; Ea,Ed; **CUAD**

H *Lobularia maritima* (L.) Desv.; 2,5–7; G,Ea; **CME**

Ch *Matthiola incana* (L.) R.Br.; 2,3,5–7; G,Eg,Cc; **CME**; (HOST in VISIANI, 1826:XX as *Cheiranthus incanus*; VISIANI, 1852:124)

H *Nasturtium officinale* R.Br.; 5; Da; **WSP**

T *Neslia paniculata* (L.) Desv.; 13; Fa; **EUAS**; (VISIANI, 1852:106)

T *Raphanus sativus* L.; 1,3,5–7,9,14,16; G,Ea,Fg,Eg; **CUAD**

T *Rapistrum rugosum* (L.) All.; 1; Ea; **SEUME**

H *Rorippa sylvestris* (L.) Besser; 1,7,9; Dd,Ed; **EUAS**; (VISIANI, 1826:48 as *Sisymbrium sylvestre*)

T *Sinapis arvensis* L.; 1,3,5; Fc,Fb,Ed,Ea; **WSP**

T *Sisymbrium altissimum* L.; 8,9,12,14; Fe,Ea; **EEUPO**

T *Sisymbrium irio* L.; 1; Ed,Ea; **EUAS**

T *Sisymbrium officinale* (L.) Scop.; 1–11,13–16; Ea,Fd,Fc,Fb,Eg,Eb,Ba; **WSP**

T *Sisymbrium orientale* L.; 1–3,5–8,10–12,14,15; Ea,Ed,Eb; **MEPO**

T *Thlaspi perfoliatum* L.; 1–16; Fd,Fc,Ff,Ed,Ae,Ba,Ab; **EUAS**; (VISIANI, 1826:49)

H *Thlaspi praecox* Wulf.; 10,12,16; Af,Ab,Ad,Ba; **ISEU**

Cucurbitaceae

G *Bryonia cretica* L. subsp. *dioica* (Jac.) Tutin; 7–9,12,14–16; Fg,Ad; **SEUME**; (VISIANI, 1852:138 as *B. dioica* Jacq.)

Ch *Ecballium elaterium* (L.) A. Richard; 1–5,7,10,12–15; Ea,Ef,Ee,Eg; **CME**

Cuscutaceae

T *Cuscuta campestris* Yuncker; 3–16; Hc; **WSP**

T *Cuscuta epithymum* (L.) L.; 12; Hc; **WSP**

Dipsacaceae

H *Cephalaria leucantha* (L.) Roemer & Schultes; 1–9,11,13–16; Ba,Ab,Ad,Aa; **CME**; (VISIANI, 1826:30)

T *Cephalaria transylvanica* (L.) Roemer & Schultes; 1,5; Ff,Fg,Fe; **CME**; (VISIANI, 1847:13)

H *Dipsacus laciniatus* L.; 5; Bc,Fg,Ff; **EUAS**

H *Knautia adriatica* Ehrend.; 10; Ba; **IADE**

T *Knautia integrifolia* (L.) Bertol.; 12,13,15; Ff,Fe,Fg,Fb; **CME**

H *Scabiosa atropurpurea* L. (=*S. maritima* L.); 1,4–7; Ea,Fd,Ff,Ba; **SEUME**

H *Scabiosa triandra* L. (=*S. agrestis* W.K.); 4,12; Ba,Ad,Af,Ea,Fe; **SEUME**

T *Tremastelma palaestinum* (L.) Janchen; 1–7,9–11,13,14; Ba,Ab,Ea,Fc,Fd; **EME**; (VISIANI, 1826:47 as *Scabiosa multiseta*; GARNWEIDNER, 1987)

Ericaceae

P *Arbutus unedo* L.; 1,4,6,7,11; Aa,Ab; **CME**

Euphorbiaceae

Ch *Andrachne telephioides* L.; 1–7,10,11,13–15; Ba,Af,Ec,Ea,Eb,Eg,Fc; **CME**; (VISIANI, 1852:231)

T *Chrozophora tinctoria* (L.) A. Juss.; 1,4,7; Fb,Fc,Ea,Cd; **MEPO**; (VISIANI, 1826:32 as *Croton tinctorium*)

T *Euphorbia chamaesyce* L.; 1–3,9–12,16; Ea,Ed,Eb; **SEUME**; (VISIANI, 1852:223)

Ch *Euphorbia characias* L. subsp. *wulfenii* (Hoppe ex Koch) A.R. Sm.; 1,2,4,8,16; Ea,Af,Fe; **IADE**; (GARNWEIDNER, 1987 as *E. characias* L.)

H *Euphorbia cyparissias* L.; 1,2,4,9,15; Ea,Eg; **EUAS**; (VISIANI, 1852:225)

T *Euphorbia exigua* L.; 2–4,14; Ba,Ea,Fc,Fe; **SEUME**

T *Euphorbia falcata* L.; 1,3–8,9,10,12,14–16; Fc,Fb,Ea,Ed,Ba,Cd; **SEUME**

Ch *Euphorbia fragifera* Jan.; 1,2,4,10,16; Ba,Af,Ab,Ad; **IADE**

T *Euphorbia helioscopia* L.; 1–16; Ea,Ed,Fc,Fb,Fd,Ff,Eb,Eg,Ba; **WSP**

H *Euphorbia lathyris* L.; 15; G,Ea; **MEPO**; (VISIANI, 1852:228)

T *Euphorbia maculata* L.;1,2,5,6,8,15; Ea,Ed,Eg; **CUAD**; (VISIANI, 1826:35)

T *Euphorbia nutans* Lag.; 1,6; Ea,Eb; **WSP**; (MILOVIĆ, 2001)

T *Euphorbia peplus* L.; 1,3,6; Ea,Eb,Ed,Eg,Fc,Fb; **WSP**

Ch *Euphorbia pinea* L.; 2–4; Cc,Eg; **CME**

T *Euphorbia prostrata* Aiton; 1,3; Ea,Ed; **CUAD**; (MILOVIĆ & RANDIĆ, 2001)

T *Euphorbia segetalis* L.; 1,3,11; Cc,Eg; **CME**

Ch *Euphorbia spinosa* L.; 1–16; Ba,Ab,Ae,Ad,Af; **CME**; (TRINAJSTIĆ, 1992)

T *Mercurialis annua* L.; 1–8,10–16; Ea,Ed,Fc,Fb,Eg,Ef,Eb; **WSP**

T *Ricinus communis* L.; 1,6; G,Eg; **CUAD**

Fagaceae

P *Quercus ilex* L.; 1–7,10,11,14; Aa,Ab,Af,Ba; **CME**

P *Quercus pubescens* Willd.; 2,5,7–16; Ad,Fg; **SEUPO**

Gentianaceae

T *Blackstonia perfoliata* (L.) Hudson subsp. *perfoliata*; 2–4,6,13; Ba,Ab,Fe; **MEAT**; (VISIANI, 1847:261 as *Chlora perfoliata* L.)

T *Centaurium erythraea* Rafn.; 1–8,10,12,14–16; Fe,Fd,Ba,Bb; **WSP**

T *Centaurium pulchellum* (Swartz) Druce; 4; Fe,Ba; **EUAS**

T *Centaurium spicatum* (L.) Fritsch; 3,4; Cb,Cd; **CME;** (VISIANI, 1847:257 as *Erythraea spicata* Pers.)

Geraniaceae

T *Erodium ciconium* (L.) L´Her.; 1–11,13–16; Ff,Fc,Fb,Ed,Ea,Eg; **MEPO**; (VISIANI, 1826:34)

T *Erodium cicutarium* (L.) L´Her.; 1–16; Ff,Ea,Ba,Ed,Eg; **WSP**; (VISIANI, 1826:34)

T *Erodium malacoides* (L.) L´Her.; 1–11,13,14,16; Fc,Fb,Ea,Ff,Ed,Eg,Ba; **CME**; (VISIANI, 1826:34)

T *Geranium brutium* Gasparr.; 1–11,13,14,16; Fc,Fb,Ff,Ed,Ea; **EME**

T *Geranium columbinum* L.; 2–4,6–11,13,14,16; Ba,Ab,Ad,Ac,Fc,Fe; **EUAS**

T *Geranium dissectum* L.; 1,2,4,6–9,13,15; Fg,Ff,Fd; **WSP**; (VISIANI, 852:212)

T *Geranium lucidum* L.; 1,7–10,12,14,16; Fg,Af,Ae,Ac; **MEAT**

T *Geranium molle* L.; 1–16; Ea,Fc,Ff,Fg,Ed,Ea; **WSP**; (VISIANI, 1852:212)

T *Geranium purpureum* Vill.; 1–16; Af,Ba,Ab,Ae,Ad,Ac,Ec,Ea,Fe,Ff; **SEUME**

T *Geranium pusillum* L.; 1,6,8,15; Ea,Eg; **EU**

T *Geranium robertianum* L.; 12,16,21; Ad; **WSP**

T *Geranium rotundifolium* L.; 1–16; Ea,Fc,Fb,Ff,Ed,Ec,Eb,Eg,Ee,Ef; **EUAS**

H *Geranium sanguineum* L.; 12,15; Ad,Ba,Fg; **SEUMO**

G *Geranium tuberosum* L.; 5,6,13,16; Fb,Fc,Fa; **EUAS**; (VISIANI, 1852:211)

Globulariaceae

Ch *Globularia cordifolia* L.; 9,12,16; Ba,Af,Ad; **SEUMO**

Haloragaceae

H *Myriophyllum spicatum* L.; 5; Da; **EUAS**; (VISIANI, 1852:195)

Hypericaceae

H *Hypericum perforatum* L. (incl. *H. veronense* Schrank); 1–16; Ba,Ab,Ea,Fe,Ad,Fd,Ff,Ae,Ac; **SEUME**; (GARNWEIDNER, 1987)

Labiatae (=Lamiaceae)

T *Acinos arvensis* (Lam.) Dandy; 1–16; Ab,Ae,Ad,Ba,Fc,Fe,Fd,Ac,Aa,Ea; **EU**; (VISIANI, 1826:23 as *Acynos vulgaris* Pers.; GARNWEIDNER, 1987)

T *Ajuga chamaepytis* (L.) Schreber; 1–11,13–15; Ea,Fc,Fb,Fd,Fe,Ed,Eg,Ba; **CME**

H *Ajuga genevensis* L.; 16; Ff,Fg,Ad; **EUAS**

H *Ballota nigra* L. subsp. *foetida* Hayek; 1–5,7–16; Ee,Ef,Eg,Ea,Fg; **SEUME**; (VISIANI, 1847:215)

H *Ballota nigra* L. subsp. *uncinata* (Fiori & Béguinot) Patzak; 1,3–6,12–15; Ea,Eg,Ee,Ef; **CME**

H *Calamintha nepeta* (L.) Savi subsp. *glandulosa* (Req.) P.W.Ball; 1,5,7,8,12,14; Fd,Fe,Ed,Eg,Ea; **SEUME**; (VISIANI, 1847:199 as *C. officinalis* Moench.)

H *Calamintha nepeta* (L.) Savi subsp. *nepeta* (=*C. nepetoides* Jordan); 1,3–16; Ea,Ff,Fd,Fe,Ea,Eb; **SEUPO**; (VISIANI, 1826:41 as *Melissa nepeta*)

H *Calamintha sylvatica* Bromf.; 12; Fg; **EU**

H *Clinopodium vulgare* L.; 12,16; Ad,Ba,Fg; **WSP**

Ch *Hyssopus officinalis* L. subsp. *aristatus* (Godron) Briq.; 12; Ba,Ae,Ad; **SEUME**

T *Lamium amplexicaule* L.; 1–16; Fc,Ed,Fd,Fb,Eg,Ea; **EUAS**

T *Lamium purpureum* L.; 5,7,9,12,14,16; Ff,Fg; **EUAS**

H *Leonurus cardiaca* L.; 20; Fg; **EUAS**

H *Marrubium incanum* Desr.; 1–3,5–16; Ba,Ea; **IAP**; (GARNWEIDNER, 1987)

H *Marrubium vulgare* L.; 1–16; Ea,Ba,Ee,Ef; **WSP**

H *Melissa officinalis* L.; 7; Fg; **EME**

H *Mentha longifolia* (L.) Hudson; 1,5,6,9,12,15,16; Ff,Bc; **WSP**

H *Mentha spicata* L. emend. Harley; 1,3,6,15; Ea,Eg; **WSP**

Ch *Micromeria juliana* (L.) Bentham ex Reichenb.; 1–16; Ba,Af,Ab,Ad,Ae,Fe; **CME**

H *Nepeta cataria* L.; 7,9; Ea,Fe; **WSP**; (VISIANI, 1826:41)

H *Origanum heracleoticum* L.; 1,3,5–7; Fe,Ba,Ea,Fd,Ff; **EME**; (VISIANI, 1826:42 as *O. smyrnaeum*)

H *Origanum vulgare* L.; 6,7,9,15; Fe,Ea,Fg; **EUAS**

Ch *Prasium majus* L.; 6,18; Ab,Aa,Af,Ba,Fg,Fe; **CME**; (VISIANI, 1826:44)

H *Prunella laciniata* (L.) L.; 3,11–15; Ad,Fg,Ff; **SEUME**

H *Prunella vulgaris* L.; 1,5,12; Bc,Ff; **WSP**

P *Rosmarinus officinalis* L.; 1,6; G,Eb; **CME**

H *Salvia argentea* L.; 9,16; Ea,Eg; **CME**; (VISIANI, 1847:188)

Ch *Salvia officinalis* L.; 1–4,6,7,10,12,14–16; Ba,Ab,Ad,Fe,Af; **EUME**;

H *Salvia pratensis* L. (=*S. bertolonii* Vis.); 1–5,7–16; Bb,Ba,Fd,Fe,Ed,Eg,Ff; **EU**; (VISIANI, 1826:46 as *S. sylvestris* Vis.)

H *Salvia sclarea* L.; 1–7,10,12–14,16; Ea,Eg,Fg,Fe; **SEUME**; (VISIANI, 1826:46; GARNWEIDNER, 1987)

H *Salvia verbenaca* L.; 1–16; Ba,Bb,Ed,Fd,Ff; **MEAT**

T *Salvia viridis* L.; 1,5–7,11–14; Ea,Eg,Fd; **SEUME**; (VISIANI, 1847:187 as *S. horminum* L.)

Ch *Satureja cuneifolia* Ten.; 1,8–15; Ba,Ab,Ad; **WME**; (VISIANI, 1847:195)

T *Satureja hortensis* L.; 6,15; Fc,Fe,Eh; **EME**

Ch *Satureja montana* L. subsp. *variegata* (Host.) Ball; 1,2,5–16; Ba,Ab,Ad,Fe; **MEPO**; (TRINAJSTIĆ, 1992 as *S. montana* L.)

T *Sideritis montana* L. subsp. *montana*; 13; Fe,Ba; **MEPO**; (VISIANI, 1847:204)

T *Sideritis romana* L.; 2,3,5,6,10,14; Ba,Fd,Ff; **CME**; (VISIANI, 1826:48)

T *Stachys annua* (L.) L.; 13; Ed,Fb; **EU**

H *Stachys cretica* L. subsp. *salviifolia* (Ten.) Rech. fil.; 1–16; Ba,Ab,Ad,Eg; **IAP**; (VISIANI, 1826:48 as *S. lanata*)

H *Stachys officinalis* (L.) Trevisan; 21; Ba,Ad; **EU**

H *Stachys recta* L. subsp. *recta;* 10; Ba,Ad; **SEUPO**

T *Stachys spinulosa* Sibth. & Sm.; 6; Fe,Fg; **EME**; (VISIANI, 1826:48)

Ch *Teucrium chamaedrys* L.; 1–16; Ba,Ab,Ad,Ac,Fe; **SEUPO**

Ch *Teucrium montanum* L.; 1,8–12,14,16; Af,Ba,Ab,Ad; **SEUME**; (TRINAJSTIĆ, 1992)

Ch *Teucrium polium* L.; 1–16; Ba,Ab,Ad,Ac,Fd,Fe,Ff; **MEPO**; (TRINAJSTIĆ, 1992)

Ch *Thymus longicaulis* C. Presl.; 3,5,7–16; Ba,Ae,Ad,Fe,Ea; **IAP**

L a u r a c e a e

P *Laurus nobilis* L.; 1,2,5,7,8,15; G,Fg; **CME**

L e g u m i n o s a e (=Fabaceae)

H *Anthyllis vulneraria* L. subsp. *praepropera* (A. Kerner) Bornm.; 1–15; Ba,Ab,Fd,Fe,Ad; **EUME**

Ch *Argyrolobium zanonii* (Turra) P.W. Ball; 1–4,6–8,10–15; Ba,Ab,Ad,Aa,Fe; **WME**; (VISIANI, 1826:33 as *Cytisus argenteus*; TRINAJSTIĆ, 1992)

H *Astragalus glycyphyllos* L.; 12,16; Fg; **EUAS**

T *Astragalus hamosus* L.; 1–4,8–11,13–15; Ff,Fd,Ea,Ba; **CME**; (VISIANI, 1852:309)

H *Astragalus monspessulanus* L. subsp. *illyricus* (Bernh.) Chater; 9,12,13,15; Ba,Ae,Ad,Ea; **IADE**

H *Astragalus muelleri* Steudel & Hochst; 1,2,6,8–16; Ba,Ab,Ad,Ac,Fe; **IADE**; (VISIANI, 1852:309; TRINAJSTIĆ, 1992)

T *Astragalus sesameus* L.; 1–4,6–8,10,11; Ba,Fe; **WME**; (VISIANI, 1852:309)

P *Cercis siliquastrum* L.; 1,5; G,Ea,Fg; **SEUPO**

Ch *Chamaecytisus spinescens* (C. Presl) Rothm.; 12; Ad; **ISEU**

T *Cicer arietinum* L.; 6,12,13; G,Ff; **CUAD**

P *Colutea arborescens* L.; 1,3,4,6,8–12,15,16; Ab,Ad,Aa; **CME**

T *Coronilla cretica* L.; 1–11,13–15; Ba,Ab,Fc,Fd,Fe,Ac; **EME**; (VISIANI, 1826:32)

P *Coronilla emerus* L. subsp. *emeroides* (Boiss. & Spruner) Hayek; 1–16; Ab,Aa,Ba,Ad,Af,Fe; **EME**; (VISIANI, 1826:32)

T *Coronilla scorpioides* (L.) Koch; 1–14,16; Ba,Ab,Ad,Fe,Ff,Fd,Fb,Ea,Ed; **CME**; (VISIANI, 1852:313)

P *Coronilla valentina* L. subsp. *valentina;* 19; Cc; **WME**; (VISIANI, 1826:32 as *C. glauca*)

H *Coronilla varia* L.; 9,11,12,15; Ad,Fg,Fe; **EU**; (VISIANI, 1826:32)

Ch *Dorycnium hirsutum* (L.) Ser.; 1–4,6–8,10–12,14–16; Ba,Ab,Ad,Ac,Aa; **CME**

H *Dorycnium pentaphyllum* Scop. subsp. *herbaceum* (Vill.) Rouy; 4,12,15; Ad,Ab,Aa,Ba,Bb,Fe; **SEUME**

H *Dorycnium pentaphyllum* Scop. subsp. *pentaphyllum*; 13,18; Fe; **WME**

Ch *Genista sylvestris* Scop. subsp. *dalmatica* (Bartl.) Lindb.; 1–4,6–16; Ba,Ab,Ad,Aa,Af; **IADE**; (VISIANI, 1852:268 as *Cytisus sylvestris* Vis. *β pungens)*

P *Gleditschia triacanthos* L.; 1,5,8,13; Fg; **CUAD**

T *Hippocrepis ciliata* Willd.; 1,13,14; Ba,Ab; **CME**; (TRINAJSTIĆ, 1992)

H *Hippocrepis comosa* L.; 4,8,10–16; Ba,Ab; **SEUME**

T *Hippocrepis unisiliquosa* L.; 2–4,10; Ba,Ab,Fe; **CME**; (VISIANI, 1826:37 as *H. biflora* Spr.)

T *Hymenocarpus circinatus* (L.) Savi; 6; Ba,Ab,Bb; **CME**

T *Lathyrus aphaca* L.; 1–4,6–8,11,12,14–16; Ba,Ab,Ad,Aa,Fc,Fb,Fd,Fe,Ff; **SEUME**

T *Lathyrus cicera* L.; 1–6,8,9,12,13,15,16; Ba,Ab,Ea,Fe,Bb; **CME**

T *Lathyrus hirsutus* L.; 5; Ff; **SEUME**

H *Lathyrus latifolius* L. (=*L. megalanthus* Steudel); 7,8,11–16; Fd,Fe,Fg,Ff; **SEUME**

G *Lathyrus pannonicus* (Jacq.) Garcke; 12; Ad; **EEUPO**

T *Lathyrus sativus* L.; 6,9,13,16; Fd,Ff,Fg; **CUAD**

T *Lathyrus saxatilis* (Vent.) Vis.; 1,3,4,10,12; Ba,Ab,Aa; **CME**; (VISIANI, 1852:330)

T *Lathyrus setifolius* L.; 1,2,4–9,11,13,16; Ba,Fe; **MEPO**; (VISIANI, 1852:327)

T *Lathyrus sphaericus* Retz.; 2–4,6,9; Ba,Ab,Aa,Fe; **SEUME**; (VISIANI, 1852:328)

G *Lathyrus venetus* (Miller) Wohlf.; 12; Ad,Fg; **EEUPO**

T *Lens ervoides* (Brign.) Grande; 16; Ba; **MEPO**; (VISIANI, 1852:325 as *Lathyrus lenticula* Peterm.)

T *Lens nigricans* (Bieb.) Godron; 1–4,6–11,13,14,16; Ba,Ab,Fe,Ff,Eg,Ea; **CME**; (VISIANI, 1826:34 as *Ervum nigricans* Bieb.)

H *Lotus corniculatus* L.; 1–16; Ba,Ab,Ad,Ea,Fe,Bb,Fd; **WSP**; (TRINAJSTIĆ, 1992)

Ch *Lotus cytisoides* L. (=*L. alionii* Desv.); 2,4,6; Cc; **CME**

T *Lotus ornithopodioides* L.; 4; Ea,Ed; **CME**

H *Lotus tenuis* Waldst. & Kit. ex Willd.; 1–8,13; Bc,Ea; **WSP**

T *Medicago arabica* (L.) Hudson; 1,5,7–14,16; Bc,Ea; **WSP**

T *Medicago coronata* (L.) Bartal.; 1,10,13,14; Ba,Ab,Fg; **CME**; (VISIANI, 1852:281 as *M. denticulata* W.)

T *Medicago disciformis* DC.; 7,11,13,14; Ba,Ea,Bb; **CME**; (VISIANI, 1852:281)

T *Medicago litoralis* Rohde ex Loisel.; 2–4,6; Cc,Ea; **CME**

T *Medicago lupulina* L.; 1–16; Ba,Ab,Ea,Bb,Eg,Fc,Fe; **WSP**; (GARNWEIDNER, 1987)

T *Medicago minima* (L.) Bartal.; 1–16; Ba,Bb,Ab,Ea,Fc,Fe; **WSP**; (TRINAJSTIĆ, 1992)

T *Medicago orbicularis* (L.) Bartal.; 1–6,8–15; Ba,Bb,Ea; **CME**; (VISIANI, 1852:281)

T *Medicago polymorpha* L.; 1–6,10,11,13–15; Ea,Bc,Ba; **SEUME**

H *Medicago prostrata* Jacq.; 1,2,6–16; Ba,Ab,Ea,Bb; **SEUME**; (VISIANI, 1826:41; TRINAJSTIĆ, 1992)

T *Medicago rigidula* (L.) All.; 1,3,7–12,14,15; Ea,Ff; **MEPO**; (VISIANI, 1826:41 as *M. gerardi*)

H *Medicago sativa* L. subsp. *falcata* (L.) Arcangeli; 1,7,9,11,13; G,Ea,Ff; **EUAS**; (VISIANI, 1852:280 as *M. falcata* L.)

H *Medicago sativa* L. subsp. *glomerata* (Balbis) Tutin; 1,4; Ea; **SEUPO**

H *Medicago sativa* L. subsp. *sativa*; 1–9,11–16; G,Ea,Ff,Fe; **WSP**

T *Medicago truncatula* Gaertner; 1,3–5,7,9–11,13–15; Ea,Bb,Fe; **CME**; (VISIANI, 1852:284 as *M. tribuloides* Desr.)

T *Melilotus alba* Medicus; 1–4,6,7,15; Ea,Fd,Eg; **EUAS**; (VISIANI, 1826:41 as *M. vulgaris*)

T *Melilotus indica* (L.) All. (=*M. parviflora* Desf.); 2–5,7; Ea,Ba,Bb; **CME**

T *Melilotus neapolitana* Ten.; 1,8; Ba,Ab,Ea,Bb; **CME**

H *Melilotus officinalis* (L.) Pallas; 1–5,7–10,12–15; Ea,Fe,Ff,Fg,Eg; **EUAS**; (VISIANI, 1826:41)

T *Melilotus sulcata* Desf.; 1–5; Ba,Bb,Bc,Ea; **CME**; (VISIANI, 1852:288)

T *Onobrychis aequidentata* (Sibith. & Sm.) D´Urv.; 6,13,14; Ba,Bb,Ab,Fe; **EME**; (VISIANI, 1852:316)

H *Onobrychis arenaria* (Kit.) DC.; 16; Ba,Bb; **EUAS**

T *Onobrychis caput-galli* (L.) Lam.;1,3–7,11,13,14; Ba,Ab,Bb,Ea,Ff,Fe; **CME**; (VISIANI, 1852:317)

H *Onobrychis viciifolia* Scop.; 16; G,Bb,Ea; **EUAS**; (VISIANI, 1826:37 as *Hedysarum onobrychis*)

H *Ononis pusilla* L.; 1–8,10–16; Ba,Ab,Ac,Fe,Ad,Ea; **SEUME**; (VISIANI, 1826:42 as *O. columnae*; TRINAJSTIĆ, 1992)

T *Ononis reclinata* L.; 1,2,3,4,6,10; Ba,Fe,Ac,Ea; **CME**; (VISIANI, 1852:275)

Ch *Ononis spinosa* L. subsp. *antiquorum* (L.) Arcangeli; 4,5,8,9,11–16; Ba,Ea,Fe,Ef,Ff; **CME**; (VISIANI, 1852:274)

T *Pisum sativum* L. subsp. *elatius* (Bieb.) Acherson & Graebner; 2,3,6,11; Fc,Fd,Fe; **SEUME**

H *Psoralea bituminosa* L.; 1–8,11,14,15; Ea,Fg,Ba,Fe; **CME**; (GARNWEIDNER, 1987)

P *Robinia pseudacacia* L.; 1,4,6–8,16; G,Fg,Ea; **CUAD**

T *Scorpiurus muricatus* L.; 2–4,6,7,10,11,13,14; Ba,Ab,Fc,Fd,Fe; **CME**; (VISIANI, 1852:311 as *S. subvillosa* L.)

T *Securigera securidaca* (L.) Deg. & Dörfl.; 1–11,13–16; Ba,Ab,Ff,Fg,Fd; **CME**; (VISIANI, 1826:32 as *Coronilla securidaca*)

P *Spartium junceum* L.; 1–8,10–16; Fe,Fg,Fd,Ab,Aa; **CME**

H *Trifolium alpestre* L.; 12,15; Ad; **SEUMO**

T *Trifolium angustifolium* L.; 1–16; Ba,Ab,Ea,Fe,Ef; **CME**

T *Trifolium arvense* L.; 2,3,6–8,11,13–15; Ba,Bb,Ab,Fc,Fd,Fe,Ff; **EUAS**

T *Trifolium bocconei* Savi; 15; Bb; **CME**

T *Trifolium campestre* Schreber; 1–16; Ba,Ab,Ea,Fc,Fd; **WSP**; (GARNWEIDNER, 1987; TRINAJSTIĆ, 1992)

T *Trifolium cherleri* L.; 1,7,13,15; Ba,Ab,Bb; **SEUME**; (VISIANI, 1852:293)

T *Trifolium dalmaticum* Vis.; 1,3,7–16; Ba,Bb,Fe,Ad,Ea; **ISEU**; (VISIANI, 1852:293)

T *Trifolium echinatum* Bieb.; 5,13,14; Bc; **SEEU**; (VISIANI, 1852:290)

H *Trifolium fragiferum* L. subsp. *bonannii* (C. Presl.) Soják; 3–7,9,13; Bc,Da; **EUAS**

T *Trifolium glomeratum* L.; 16; Bb; **SEUME**

T *Trifolium incarnatum* L.; 7,9,15; Fe,Fd,Ad; **MEAT**

T *Trifolium lappaceum* L.; 2–4; Bb,Ea,Ba; **CME**

T *Trifolium nigrescens* Viv.; 5,12,15,16; Bc,Ea; **CME**; (VISIANI, 1852:297)

H *Trifolium ochroleucon* Hudson; 12,15; Ad; **SEUPO**

T *Trifolium patens* Schreber; 5,13; Bc; **SEUCO**

H *Trifolium pratense* L.; 1,3,5,7,9,11–13,15,16; Ea,Bc; **EUAS**
H *Trifolium repens* L. subsp. *prostratum* Nyman; 5,8,11,12,14,16; Bc,Ea,Ff; **CME**
H *Trifolium repens* L. subsp. *repens*; 1,4–6,9–13,15,16; Bc,Ea; **WSP**
T *Trifolium resupinatum* L.; 1,4,5,7,11,13; Ea,Bc,Ed; **MEPO**; (VISIANI, 1826:50)
T *Trifolium scabrum* L.; 1–4,6,8,10–14,16; Ba,Ab,Ea,Fe,Fd; **CME**; (TRINAJSTIĆ, 1992)
T *Trifolium squamosum* L; 5,13; Bc; **CME**; (VISIANI, 1852:290 as *T. maritimum* Huds.)
T *Trifolium stellatum* L.; 1–16; Ba,Ab,Bb,Ea,Fe,Ff; **CME**; (VISIANI, 1826:50)
T *Trifolium striatum* L.; 2,7,8,11,12,14,15; Ba,Bb,Fe; **EUAS**
T *Trifolium subterraneum* L.; 9,21; Bb,Fg; **MEAT**
T *Trifolium tomentosum* L.; 6,10,11,13,15; Ea,Cb; **CME**; (VISIANI, 1826:50; MARKOVIĆ, 1969; GARNWEIDNER, 1987)
T *Trigonella corniculata* (L.) L.; 1–7,10,11,13–15; Ba,Ea,Fc,Eg,Fd,Fe; **EUME**; (VISIANI, 1826:50; GARNWEIDNER, 1987)
T *Trigonella gladiata* Steven ex Bieb.; 18; Ba; **CME**; (VISIANI, 1852:286)
T *Trigonella monspeliaca* L.; 2–5,10,13; Ba,Ab,Ea,Fc,Ff,Fe; **MEPO**; (VISIANI, 1852:286)
H *Vicia dalmatica* A. Kerner; 21; Ba,Ad; **SEEU**
T *Vicia faba* L.; 5–9,11,12,14,16; G,Ff,Fg; **CUAD**
H *Vicia grandiflora* Scop.; 7–9,11,12,15; Ad,Fe,Fg; **EEUPO**
T *Vicia hirsuta* (L.) S.F. Gray; 2–4,6,9,11,14–16; Ba,Ab; **WSP**; (VISIANI, 1852:321)
T *Vicia hybrida* L.; 1–4,6,8–10,12–16; Fg,Ff,Bb,Ea; **CME**
T *Vicia lathyroides* L.; 9,15,16; Ad; **EU**
T *Vicia lutea* L.; 1,3–5,8,11–13,15; Fg,Bb,Fe; **SEUME**
T *Vicia melanops* Sibith. & Sm.; 7,16; Fe,Ff,Fg; **EME**; (VISIANI, 1826:51 as *V. tricolor*)
T *Vicia narbonensis* L.; 1–5,7; Fe,Ea,Eg; **CME**; (VISIANI, 1852:318)
T *Vicia peregrina* L.; 2,4,13; Ba,Fe,Ea,Ab,Ad; **SEUME**; (VISIANI, 1826:51)
T *Vicia sativa* L. subsp. nigra (L.) Ehrh.; 1–16; Ba,Fd,Fe,Ff,Ab,Ad,Ac,Ed; **EU**
T *Vicia sativa* L. subsp. *sativa*; 13; Fe,Ff,Fg; **WSP**
T *Vicia villosa* Roth subsp. *varia* (Host) Corb.; 1–10,13–16; Ab,Ad,Fe,Ff; **EEUPO**

Linaceae

H *Linum bienne Miller*; 1,2,4,5,7; Eg,Fe,Bb; **CME**
T *Linum nodiflorum* L.; 1,3–5,7,10,11,13,14; Ba,Fe,Bb,Fc,Fd,Fe; **MEPO**; (VISIANI, 1852:217; GARNWEIDNER, 1987)
T *Linum strictum* L. subsp. *corymbulosum* (Reichenb.) Rouy; 1–7,10–16; Fe,Fd,Bb,Ae; **MEPO**; (VISIANI, 1852:218 as *L. corymbulosum* Rchb.)
T *Linum strictum* L. subsp. *strictum;* 1,3,5,11; Ba,Fe,Ab,Ba; **CME**; (VISIANI, 1852:218)
Ch *Linum tenuifolium* L.; 2,7–15; Ba,Bb,Ab,Ff,Fe; **SEUPO**; (TRINAJSTIĆ, 1992)

Loranthaceae

P *Arceuthobium oxycedri* (DC.) Bieb.; 1,6,8,10,11; Hb; **SEUPO**
P *Loranthus europaeus* Jacq.; 21; Ha; **EUAS**

Lythraceae

T *Lythrum hyssopifolia* L.; 5; Bc,Fd; **WSP**

Malvaceae

T *Abutilon theophrasti* Medicus; 7; Ee; **WSP**

H *Alcea rosea* L. *(=Althaea rosea* (L.) Cav.*)*; 1,2,4,6,7,15; Ea; **CUAD**

H *Althaea cannabina* L.; 4–7,15; Fg,Ff; **SEUPO**

T *Althaea hirsuta* L.; 1,3; Fd,Fc,Fb,Ff; **SEUME**; (VISIANI, 1852:208)

T *Hibiscus trionum* L.; 1,4–6,8,9,12; Fc,Fb; **SEUPO**

P *Hibiscus syriaca* L.; 1; G,Eb; **CUAD**

H *Lavatera arborea* L.; 1–3; Eg,Cc,Ea; **EUME**; (VISIANI, 1852:206 as *Malva arborea* Webb et Berthel.)

T *Malva neglecta* Wallr.; 1,6,7,9–11,16; Ea,Eb,Ed,Eg; **WSP**

T *Malva nicaeensis* All.; 1–3,6,10,11,14; Ea,Ed; **CME**; (VISIANI, 1852:204)

T *Malva parviflora* L.; 19; Eg,Ea; **CME**

H *Malva sylvestris* L.; 1–16; Ea,Ed,Bb,Fd,Ff,Eg,Ee; **WSP**; (GARNWEIDNER, 1987)

Moraceae

P *Broussonetia papyrifera* (L.) Vent.; 1,5,7–12,14–16; Ea,Fg,G; **CUAD**

P *Ficus carica* L.; 1–16; G,Fg,Ba,Af,Ec,Fe; **CME**

P *Maclura pomifera* (Rafin.) C.K. Schneider; 13; G,Fg; **CUAD**

P *Morus alba* L.; 1,6–12,14,15; G,Fg,Ea; **CUAD**

Myrtaceae

P *Myrtus communis* L; 3,4,6; Ab,Aa,Ba,Fe; **CME**

Nyctaginaceae

G *Mirabilis jalapa* L.; 1–4,6–8; G,Ea,Eb,Eg; **CUAD**

Oleaceae

P *Ligustrum vulgare* L.; 1; G,Fg; **CEU**

P *Fraxinus ornus* L.; 1–16; Aa, Ad,Ab,Ba; **SEUME**

P *Olea europaea* L. (incl. var. *sylvestris* Brot.); 1–11,14,16; G,Ab,Ba,Aa,Fe; **CME**

P *Phillyrea latifolia* L. (incl. *P. media* L.); 1–14,16; Aa,Ab,Ad,Ba,Fe,Fg; **CME**; (VISIANI, 1826:43 as *P. laevis*)

Onagraceae

H *Epilobium hirsutum* L.; 4,5; Db,Ce; **EUAS**

H *Epilobium tetragonum* L. subsp. *lamyi* (F.W. Schultz) Nyman; 5,13; Bc,Db; **EUAS**

H *Oenothera erythrosepala* Borbás; 1; G,Ea; **CUAD**

Orobanchaceae

T *Orobanche cernua* Loefl.; 4; Hd; **EUAS**

T *Orobanche minor* Sm.; 1,8,10,11,13; Hd; **SEUME**; (VISIANI, 1847:179)

T *Orobanche ramosa* L. subsp. *nana* (Reuter) Coutinho; 8,9,11; Hd; **SEUPO**

Oxalidaceae

H *Oxalis corniculata* L.; 1–7,11,14; Ea,Eb,Ec; **WSP**

G *Oxalis deppei* Loddiges ex Sweet; 1–3,6,7,14: Ea,Eg; **CUAD**

Papaveraceae

G *Corydalis solida* (L.) Clairv.; 12; Ad,Fg; **EUAS**

T *Fumaria capreolata* L.; 1; Ea,Ec; **MEAT**; (VISIANI, 1826:36)

T *Fumaria flabellata* Gasparr.; 1,12; Ea,Eg; **EME**

T *Fumaria kralikii* Jordan; 7,11; Fb,Fa; **MEPO**

T *Fumaria officinalis* L.; 1–14,16; Ea,Ed,Eb,Fd,Fc,Fb; **WSP**

T *Fumaria parviflora* Lam.; 1,3–5,7,10,11,13; Fb,Fa,Fc;Ed,Ea; **WSP**

T *Fumaria petteri* Reichenb. subsp. *thuretii* (Boiss) Pugsley; 1; Ea; **MEPO**

T *Fumaria vaillantii* Loisel.; 1,11; Fb,Fd; **EUAS**

H *Glaucium flavum* Crantz; 1,2,4; Cc; **MEAT**

T *Papaver apulum* Ten.; 14; Eg,Ef; **EME**

T *Papaver rhoeas* L.; 1–16; Fa,Fb,Fc,Ea,Ed,Eg; **WSP**

H *Pseudofumaria alba* (Miller) Lidén subsp. *acaulis* (Wulfen) Lidén; 1; Ec; **IADE**; (VISIANI, 1826:36 as *Fumaria capnoides* DC.)

Plantaginaceae

T *Plantago afra* L.; 1,2,6; Ba,Ea,Fe; **CME**; (VISIANI, 1826:43 as *P. psyllium*)

H *Plantago altissima* L.; 1–5,15,16; Bc,Cd,Ea; **SEUME**

H *Plantago argentea* Chaix; 21; Ba,Ad; **SEUMO**

T *Plantago coronopus* L. subsp. *commutata* (Guss.) Pilger; 2–4,6; Cb,Cc; **MEPO**

T *Plantago coronopus* L. subsp. *coronopus*; 1–4,6; Cb,Cc,Cd; **EUAS**

T *Plantago holosteum* Scop.; 1,8–10,12,13,15; Ba,Ab; **SEUME**; (TRINAJSTIĆ, 1992 as *P. holosteum* Scop)

T *Plantago lagopus* L.; 5,6; Ba; **CME**; (VISIANI, 1847:2)

H *Plantago lanceolata* L.; 1–16; Ba,Ab,Ad,Bb,Bc,Ea,Ff,Fe; **WSP**; (MARKOVIĆ, 1969)

H *Plantago major* L. subsp. *intermedia* (DC.) Arcangeli; 1,3–5,7,8,12–16; Bc,Db,Dd,Ea; **WSP**

H *Plantago major* L. subsp. *major*; 1,13; Ea,Ff; **WSP**

Plumbaginaceae

H *Limonium bellidifolium* (Gouan) Dumort; 3,4; Cb,Cd; **MEPO**

H *Limonium cancellatum* (Bernh. ex Bertol.) O. Kuntze; 1–4,6; Cc; **IAP**

H *Limonium vulgare* Miller subsp. *serotinum* (Reichenb.) Gams; 1–6; Cb,Cc,Cd; **CME**; (VISIANI, 1826:48 as *Statice limonium*)

Ch *Plumbago europaea* L.; 1–16; Ea,Ff,Fg,Fe,Fe; **CME**; (VISIANI, 1826:43)

Polygalaceae

H *Polygala nicaeensis* Risso ex Koch subsp. *mediterranea* Chodat; 1–4,7,8,11–16; Ba,Ab,Ad; **CME**

Polygonaceae

P *Fallopia aubertii* (Louis Henry) J. Holub; 1; Eb,Ea,G; **CUAD**

T *Fallopia convolvulus* (L.) A. Löve; 1–5,7,8,10,13,15; Ea,Fg,Fd,Fc,Ed; **WSP**

T *Polygonum arenastrum* Boreau; 1,4,5,7; Ea,Eh; **WSP**

T *Polygonum aviculare* L.; 1–12,14–16; Ea,Eb,Ed,Fc,Fd,Ff; **WSP**; (MARKOVIĆ, 1969)

T *Polygonum lapathifolium* L.; 1,9,15; Ea,Ed,Dd; **WSP**; (VISIANI, 1842:228 as *P. nodosum* Pers.)

T *Polygonum persicaria* L.; 1; Ed,Ea; **WSP**

H *Rumex acetosa* L.; 4,8,15; Fb,Ff,Fg,Ea; **WSP**

H *Rumex conglomeratus* Murray; 1,5,7,9,13,15; Db,Dd; **WSP**; (VISIANI, 1842:233)

H *Rumex crispus* L.; 1–7,9,13–15; Ea,Bc,Db,Dd,Ce,Fc,Fd; **WSP**; (VISIANI, 1842:233)

H *Rumex pulcher* L. subsp. *pulcher*; 4,10,13; Fg,Ff,Bc; **SEUPO**

H *Rumex pulcher* L. subsp. *woodsii* (De Not.) Arcangeli; 1–16; Ea,Ed,Eg,Bb,Fc,Fb,Fa,Ff,Fg; **SEUME**

Portulacaceae

T *Portulaca oleracea* L.; 1–7,9,10,12,14–16; Fc,Fb,Ea,Ed,Eb,Eg; **WSP**

Primulaceae

T *Anagallis arvensis* L.; 1–4,10; Fc,Fb,Fa,Fd,Eg,Eh,Ea; **WSP**

T *Anagallis foemina* Miller (=*A. caerulea* Schreber, non L.); 1–7,10,11,13–15; Fc,Fd,Eg,Ea; **WSP**

T *Asterolinon linum-stellatum* (L.) Duby;; 1,2,6,8,10–14,16; Ba,Ab,Ad; **CME**; (VISIANI, 1826:40 as *Lysimachia linum stellatum*; TRINAJSTIĆ 1992)

G *Cyclamen hederifolium* Aiton; 6,8,9,12,14–16; Ad,Fg; **SEUME**; (VISIANI, 1826:33 as *C. neapolitanum* Ten.)

H *Samolus valerandi* L.; 5; Db; **WSP**; (VISIANI, 1847:147)

Punicaceae

P *Punica granatum* L.; 1–3,5–11,14–16; G,Ea,Fg; **CME**

Ranunculaceae

T *Adonis aestivalis* L.; 5,13; Fa,Fg,Bc; **EUAS**

G *Anemone hortensis* L.; 2,6–9,11,14,15; Ba,Ab,Ae,Ad; **CME**

P *Clematis flammula* L.; 1–16; Ab,Ad,Aa,Ff,Fg,Fe; **CME**; (VISIANI, 1826:31)

P *Clematis vitalba* L.; 1,3,7,9,12,14,16; Fg,Fd; **EU**; (VISIANI, 1826:31)

P *Clematis viticella* L.; 5; Fg; **SEUME**

T *Consolida ajacis* (L.) Schur; 16; Fd,Fe; **CME**

T *Consolida regalis* S.F. Gray; 6,16; Ba,Ff,Eg; **SEUME**

T *Delphinium peregrinum* L.; 1,4–11,13–16; Fd,Fc,Fb,Fa,Ff,Bb,Ea,Eg; **SEUME**; (VISIANI, 1826:33 as *D. junceum* DC.)

T *Delphinium staphisagria* L.; 1,7,14; Ea,Ef,Eg; **CME**; (VISIANI, 1826:33)

T *Nigella damascena* L.; 1,2,4–16; Ff,Fg,Fc,Fc; **CME**; (VISIANI, 1826:41)

T *Ranunculus arvensis* L.; 1,6,13,15; Fa,Fb,Ff; **EU**

T *Ranunculus chius* DC.; 3,14,16; Ff,Fg,Ea,Eg; **EME**

G *Ranunculus ficaria* L. subsp. *calthifolius* (Reichenb.) Arcangeli; 1,4,5,7–14,16; Ff,Fe,Fe,Fc,Fg; **EU**

H *Ranunculus illyricus* L.; 8–10,12,15,16; Ba,Ad,Ae,Fe; **SEUCO**

H *Ranunculus millefoliatus* Vahl. (incl. *R. garganicus* Ten.); 1,5,7–9,12,14–16; Bb,Ad,Fg,Ff,Fe; **SEUME**; (VISIANI, 1826:45)

T *Ranunculus muricatus* L.; 3,4,6,14; Ea,Eg,Ff,Fg,Fe; **CME**

H *Ranunculus neapolitanus* Ten.; 1,4,5,8–16; Fd,Fe,Ff,Fg,Ba,Ab,Ac,Ea; **SEUME**

Hy *Ranunculus peltatus* Schrank; 9,15; Dc; **EU**

T *Ranunculus sardous* Crantz.; 1,15,16,21; Ea,Eg,Bc,Ff,Dd; **WSP**

Hy *Ranunculus trichophyllus* Chaix; 6,7,10; Dc; **EU**

H *Ranunculus velutinus* Ten.; 5,6,9; Bc,Fg,Ff; **EME**; (VISIANI, 1852:85)

Resedaceae

T *Reseda alba* L.; 1–6,8,13,15; Ea,Eg,Fd,Fe; **CME**; (VISIANI, 1826:45)

H *Reseda lutea* L.; 1–11,13–15; Ea,Eg,Fc,Fd; **WSP**

T *Reseda phyteuma* L.; 1–7,10,14,15; Ba,Ea,Eg; **SEUME**

Rhamnaceae

P *Frangula rupestris* (Scop.) Schur; 1–8,10–12,15,16; Ab,Aa,Af,Ad,Fg; **ISEU**; (VISIANI, 1826:45 as *Rhamnus frangula*)

P *Paliurus spina-christi* Miller; 1–16; Ae,Ba,Ab,Ad,Fg,Af,Fe; **ISEU**

P *Rhamnus alaternus* L.; 1–7,11,14; Ab,Aa,Af,Fc,Fg; **CME**; (VISIANI, 1826:45)

P *Rhamnus intermedius* Steudel & Hochst.; 1–3,7–16; Ba,Ab,Ad,Af,Aa; **SEUME**

Rosaceae

H *Agrimonia eupatoria* L.; 1,4,5,7,9,13,15,16; Ff,Fg,Fd; **CHSP**; (VISIANI, 1826:24)

P *Crataegus monogyna* Jacq subsp. *monogyna*; 1,5,7–10,12–16; Ba,Ab,Ae,Af,Fg; **EUAS**; (VISIANI, 1826:32)

H *Filipendula vulgaris* Moench; 7–9,12,15; Ff,Fg,Ad; **EUAS**; (VISIANI, 1852:256)

H *Geum urbanum* L.; 8,9,12,15,16; Ad,Fg; **WSP**

H *Potentilla collina* Wibel.; 7; Bb,Ba; **SEUPO**

H *Potentilla hirta* L.; 10,11,17; Ba,Ae,Fe; **SEUME**; (VISIANI, 1826:44)

H *Potentilla micrantha* Ramond ex DC.; 21; Ad,Ff,Fg; **SEUPO**

H *Potentilla recta* L.; 1,4,5,7–11,14,15; Ba,Ab,Ad,Fe,Fd,Ea; **EUAS**

H *Potentilla reptans* L.; 1,4,5,7–9,13,15,16; Dd,Db,Bc,Ff,Ea; **WSP**

H *Potentilla sterilis* (L.) Garcke; 8,12,15,16; Ad; **CEU**

P *Prunus cerasifera* Ehrh.; 1–4,11,12; G,Ea,Fg,Ef; **CUAD**
P *Prunus dulcis* (Miller) D.A. Webb; 1–3,5–9,11–16; G,Ea,Fg,Ef; **CUAD**
P *Prunus mahaleb* L.; 1–16; Ab,Ad,Aa,Ba,Fg; **SEUPO**; (VISIANI, 1852:259)
P *Prunus persica* (L.) Batsch.; 1,3–5,9,15,16; G,Ea,Ef,Eg; **CUAD**
P *Prunus spinosa* L.; 1,4,5,7,9,12,13,15,16; Fg,Ad,Ea,Ba; **EUAS**
P *Pyracantha coccinea* M.J. Roemer; 1–6,8; G,Fg,Ea; **CME**
P *Pyrus amygdaliformis* Vill.; 1–4,9,10,12–16; Ad,Ba,Ae,Fg; **SEUME**
P *Rosa canina* L.; 1–11,13–16; Ab,Ad,Fg,Fe; **WSP**; (VISIANI, 1852:241)
P *Rosa rubiginosa* L.; 8,10,13; Ae,Ba; **EUAS**; (VISIANI, 1852:241)
P *Rosa sempervirens* L.; 4,9; Ba,Ab,Ad,Aa; **CME**
P *Rubus caesius* L.; 1,3–5,7,13,15,16; Bc,Ff,Fg,Ea,Fb; **EUAS**; (VISIANI, 1852:249)
P *Rubus ulmifolius* Schott; 1–16; Ba,Ae,Ab,Aa,Ad,Fe,Fd,Fg,Ea; **MEAT**
H *Sanguisorba minor* Scop. subsp. *muricata* Briq.; 1–16; Ba,Ab,Ad,Ea,Fe,Fd,Fc,Eg; **SEUME**; (GARNWEIDNER, 1987 as *S. minor* Scop.)
P *Sorbus domestica* L.; 1,2,4–6,10,11,13; Ab,Ad,G; **CME**

R u b i a c e a e

H *Asperula aristata* L. subsp. *scabra* (J. & C. Presl.) Nyman; 1,3–10,12,14–16; Ba,Ab,Ad; **SEUME**; (VISIANI, 1852:11 as *A. cynanchica* L. *γ canescens*; TRINAJSTIĆ, 1992 as *A. longiflora* Waldst. & Kit.)
T *Asperula arvensis* L.; 1,5–7,13,16; Fa,Fc,Fb,Ed; **SEUME**; (VISIANI, 1852:10)
T *Crucianella angustifolia* L.; 16; Ad; **CME**
T *Crucianella latifolia* L.; 1–6,11,14,15; Ad,Ae,Ba,Ac,Ea; **CME**
T *Galium aparine* L.; 1–16; Ff,Fg,Fe,Fc,Fa,Fd,Ba,Bb; **WSP**
H *Galium corrudifolium* Vill.; 1; Ab,Ba; **SEUME**; (TRINAJSTIĆ, 1992)
H *Galium lucidum* All.; 1–16; Ad,Ab,Ba,Af,Ae,Fe; **SEUME**
H *Galium mollugo* L.; 1,12,15; Ea,Bc,Fg; **EUAS**
T *Galium murale* (L.) All.; 16; Ba,Ad; **CME**
H *Galium palustre* L.; 5,13; Db; **EUAS**
T *Galium parisiense* L.; 2–7,10,13–16; Ba,Ab,Ad,Bb,Fe; **SEUME**
T *Galium tricornutum* Dandy; 3,5,13,16; Fa,Fb,Fc,Ed; **SEUME**; (VISIANI, 1826:36 as *G. tricorne* With.)
H *Galium verum* L. subsp. *verum*; 1,5,12,13; Bc,Ff,Fg; **WSP**; (VISIANI, 1852:5)
P *Rubia peregrina* L.; 1–9,11,15; Aa,Ab,Fc,Fg; **CME**
T *Sherardia arvensis* L.; 1–16; Bb,Fd,Fe,Ba,Ad,Ff,Fg,Eg,Ea,Fc; **WSP**
T *Valantia muralis* L.; 1,2,4,6,10,14,16; Ba,Af,Ab,Ad,Ac,Ec,Ea; **CME**

R u t a c e a e

Ch *Dictamnus albus* L.; 7,8; Ad,Af; **EUAS**; (VISIANI, 1852:235)
Ch *Haplophyllum patavinum* (L.) G. Don (=*Ruta patavina* L.); 7,9,10; Ad,Fd; **IADE**
Ch *Ruta chalepensis* L. (=*R. bracteosa* DC.); 1,5,7,14; Ea; **SEUME**; (VISIANI, 1852:237)

Ch *Ruta graveolens* L. (=*R. divaricata* Ten.); 1,6–9,14,15; Ad,Ab,Ba; **IAP**; (VISIANI, 1852:236)

Salicaceae

P *Populus alba* L.; 3,4; G,Ea; **EUAS**

P *Populus nigra* L. (incl. *P. italica* (Duroi) Moench); 1,5,6,13,15; G,Ea,Bc; **EUAS**

P *Salix alba* L.; 13,14; Bc,Dd; **EUAS**

Santalaceae

P *Osyris alba* L.; 1–11,13–15; Ba,Ab,Aa,Ad,Fe; **CME**; (VISIANI, 1842:223)

H *Thesium divaricatum* Jan ex Mert. & Koch; 1–12,14–16; Ab,Ba,Aa,Ad,Fe; **CME**; (VISIANI, 1842:222; TRINAJSTIĆ, 1992)

Saxifragaceae

T *Saxifraga tridactylites* L.; 1,2,5,6,10,12,14–16; Af,Ba,Ab,Ec,Ad,Ea; **WSP**

Scrophulariaceae

Ch *Antirrhinum majus* L.; 1–4,15; G,Ea,Eg,Ea; **WME**

T *Chaenorrhinum minus* (L.) Lange subsp. *litorale* (Willd.) Hayek; 1,2,4–6,10; Eg,Ea,Fc; **IAP**

T *Chaenorrhinum minus* (L.) Lange subsp. *minus*; 1,3–6,15; Ea,Eg,Ba,Fe; **EU**

H *Cymbalaria muralis* P. Gaertner, B. Meyer & Scherb.; 1,6; Ec; **SEUME**

H *Gratiola officinalis* L.; 13; Bc; **WSP**

H *Kickxia commutata* (Bernh. ex Reichenb.) Fritsch; 4; Cb,Cd; **EUME**; (VISIANI, 1826:39 as *Linaria elatine*)

T *Kickxia spuria* (L.) Dumort.; 3–6,11–13,16; Fb,Fa,Eg,Fc; **EUAS**; (VISIANI, 1826:39 as *Linaria spuria*)

H *Linaria angustissima* (Loisel.) Borbás; 1–4,8,9,11–14,16; Ea,Eg,Fe,Ff; **SEUMO**

T *Linaria chalepensis* (L.) Miller; 3,13,16; Fa,Fd; **SEUME**; (VISIANI, 1826:39)

T *Linaria simplex* (Willd.) DC.; 1–4,8,10,13–15; Ba,Ab,Aa,Ac,Fc; **CME**; (VISIANI, 1826:39)

H *Linaria vulgaris* Miller; 3–5,13; Bc,Fc,Fb,Fd; **EUAS**

T *Melampyrum barbatum* Waldst. & Kit. ex Willd.; 21; Ba,Ad; **SEEU**

T *Misopates orontium* (L.) Rafin.; 1–5,7,8,12,15,16; Ea,Fc,Ea,Eg,Ba,Fd,Fe; **EUAS**; (VISIANI, 1826:26 as *Antirrhinum orontium*)

T *Odontites lutea* (L.) Clairv.; 1–9,11,12,15,16; Ba,Ab,Fe,Aa,Fc; **SEUME**

H *Scrophularia canina* L.; 1,5–16; Ba,Ab,Ea,Fe; **SEUME**

T *Scrophularia peregrina* L.; 1; Ea,Ec; **CME**; (VISIANI, 1826:47)

T *Verbascum blattaria* L.; 5,13; Ba,Fe; **WSP**; (VISIANI, 1826:50)

H *Verbascum densiflorum* Bertol.; 1,6,9,10,12–14; Ba,Ea,Eg,Ff,Fe; **EU**

H *Verbascum niveum* Ten. subsp. *visianianum* (Reichenb.) Murb.; 1,5–8–10,12,14,15; Fe,Ff,Ea; **IAP**

T *Verbascum orientale* (L.) All.; 1–8,10,11,13,14; Ba,Ea,Ab,Ad; **EME**; (VISIANI, 1847:158 as *Celsia orientalis* L.)

T *Verbascum phoeniceum* L.; 8,12; Bb,Fd,Ea,Ff; **SEUPO**

H *Verbascum pulverulentum* Vill.; 1,7–9,14,16; Ba,Ea,Ff; **SEUAT**

H *Verbascum sinuatum* L.; 1–5,7–16; Ea,Ba,Fd,Fa,Fc,Eg; **CME**; (VISIANI, 1826:51)

H *Verbascum undulatum* Lam.; 1,2; Ea,Ba; **SEEU**

H *Veronica anagallis-aquatica* L.; 1,5,6; Db,Dc; **EU**; (VISIANI, 1847:171 as *V. anagallis* L.)

T *Veronica arvensis* L.; 1,4–16; Ba,Ff,Fe,Fd,Ab,Ea,Eb,Ec,Eg; **EUAS**

H *Veronica austriaca* L. subsp. *austriaca* (=*V. jacquinii* Baumg.); 1,8–10,12; Ba,Ab,Ad; **EEUPO**; (VISIANI, 1826:51)

H *Veronica chamaedrys* L. subsp. *vindobonensis* M. Fischer; 12,16; Ad; **EUME**

T *Veronica cymbalaria* Bodard; 1,2,16; Ea,Ba,Ec,Af,Fc,Eg,Fd; **SEUME**; (VISIANI, 1826:51)

T *Veronica hederifolia* L. subsp. *hederifolia*; 3–7,9,12,14,16; Bb,Ea; **EUAS**

T *Veronica hederifolia* L. subsp. *triloba* (Opiz) Čelak.; 1,3–9,14,15; Fc,Fb,Ed; **EME**

H *Veronica officinalis* L.; 1; Ed; **CHSP**

T *Veronica persica* Poiret; 1,2,4–10,12–14; Ed,Bb,Fc,Fb,Ea; **WSP**; (VISIANI, 1847:173 as *V. buxbaumii* Tenor.)

T *Veronica polita* Fries; 1–6,9,11–13,15,16; Ea,Ec,Fb,Fa,Fc,Fd,Eg; **EUAS**

H *Veronica spicata* L. subsp. *barrelieri* (Schott ex Roemer & Schultes) Murb.; 12; Ba,Ad; **EUAS**

Simaroubaceae

P *Ailanthus altissima* (Miller) Swingle; 1,2,5,7–9,13–16; Ea,G,Fg; **CUAD**

Solanaceae

T *Datura inoxia* Miller; 1–4,6,8,15,16; G,Ea,Eg; **CUAD**; (PANDŽA & STANČIĆ, 1999)

T *Datura stramonium* L.; 1,9,15; Ed,Eg,Ef,Ee; **WSP**

T *Hyoscyamus albus* L.; 1,2,4,5; Ea,Ef,Ec; **CME**; (HOST in VISIANI, 1826:XX)

T *Hyoscyamus niger* L.; 1,4,9,11; Ea,Ec,Eg; **WSP**

H *Physalis alkekengi* L.; 4,7; Ea,Ec,Eg; **EU**; (VISIANI, 1826:43)

H *Solanum elaeagnifolium* Cav.; 1,7,10; Ea,Fd; **CUAD**; (PANDŽA & STANČIĆ, 1999)

T *Solanum luteum* Miller subsp. *alatum* (Moench) Dostál; 1–7,10–16; Ea,Eg,Fc; **EUAS**; (VISIANI, 1847:235 as *S. miniatum* Bernh.)

T *Solanum lycopersicum* L.; 1–4,6,7,15; Ea,Ef,Eg; **CUAD**

T *Solanum nigrum* L.; 1–4,6,7,9–12,14–16; Ea,Eg,Ef; **WSP**

Tamaricaceae

P *Tamarix dalmatica* Baumg; 2–6; G,Cb,Cc; **WME**

Theligonaceae

T *Theligonum cynocrambe* L.; 1,5,6,10,14; Fd,Fg,Ea; **SEUME**; (VISIANI, 1826:49)

Thymeleaceae

T *Thymelea passerina* (L.) Cosson & Germ.; 1; Ed; **SEUPO**

Ulmaceae

P *Celtis australis* L.; 1–3,5–16; G,Ea,Fg; **SEUME**

P *Ulmus minor* Miller; 1,3–9,12–16; G,Ea,Fg; **WSP**; (VISIANI, 1842:221 as *U. campestris* L.)

Umbelliferae (=Apiaceae)

T *Ammi majus* L.; 3,6,14,15; Ea,Eg,Fb; **SEUME**

T *Ammoides pusilla* (Brot.) Breistr.; 1,3,5,6,11,13,14; Ea,Fd,Fe,Bb; **CME**; (VISIANI, 1852:30 as *Ptychotis verticillata* DC.)

G *Bunium alpinum* Walldst. & Kit. subsp. *montanum* (Koch) P.W. Ball; 1,7–11,14–16; Ba,Ad,Ab,Fb,Fa; **IADE**; (VISIANI, 1852:33 as *B. divaricatum* Bertol.)

T *Bupleurum baldense* Turra subsp. *gussonei* (Arcang.) Tutin; 1–15; Ba,Ab,Ad,Aa,Fc,Ea,Fe,Fd,Ff,Eg; **ISEU**

T *Bupleurum lancifolium* Hornem; 5,12,13; Fa,Ff,Fg; **CME**

T *Bupleurum praealtum* L. (=*B. junceum* L.); 9,12; Fg,Ff,Fe; **SEUME**

T *Bupleurum tenuissimum* L. subsp. *tenuissimum;* 2; Ba,Cd; **SEUME**

T *Caucalis platycarpos* L. (=*C. daucoides* L.); 7,8,10,12,13,15,16; Ba,Fe; **WSP**; (VISIANI, 1826:30)

H *Chaerophyllum coloratum* L.; 1,7–9,11,12,15,16; Ba,Ab,Aa,Fe; **IADE**

Ch *Crithmum maritimum* L.; 1–6; Cc; **MEAT**

H *Daucus broteri Ten.*; 1,4,5; Cc,Ea; **EME**

H *Daucus carota* L. subsp. *major* (Vis.) Arcangeli; 1–5,10,12; Ea,Fe,Ba,Fc,Eg,Ff; **SEUME**

H *Daucus carota* L. subsp. *maritimus* (Lam.) Batt.; 2–4; Ea; **WME**

H *Eryngium amethystinum* L.; 1–16; Ba,Ab,Ad,Fe; **ISEU**; (TRINAJSTIĆ, 1992)

H *Eryngium campestre* L.; 5,6,10,13–16; Ea,Fe; **SEUME**

H *Foeniculum vulgare* Mill.; 1–16; Ea,Fe,Ff; **CME**

H *Ferulago campestris* (Besser) Grec. (=*F. galbanifera* Koch.); 15; Fg; **SEUPO**

T *Myrrhoides nodosa* (L.) Cannon; 7–9,12,15,16; Fg,Ad; **CME**

H *Oenanthe fistulosa* L.; 5; Bc,Db; **WSP**

H *Oenanthe pimpinelloides* L.; 6,13; Bc,Db; **MEAT**

H *Oenanthe silaifolia* Bieb.; 5; Db,Bc; **SEUPO**; (VISIANI, 1852:38)

H *Opopanax chironium* (L.) Koch; 7; Fe,Ff,Fg; **CME**; (VISIANI, 1852:50)

T *Orlaya grandiflora* (L.) Hoffm.; 1,7,8,10–16; Ba,Ab,Ad,Ea,Fe,Eg; **SEUME**; (VISIANI, 1826:29 as *Caucalis grandiflora*)

H *Petroselinum crispum* (Miller) A.W. Hill; 1,5,6,15; G,Ea; **CUAD**

H *Peucedanum cervaria* (L.) Lapeyr; 7; Ff,Fg,Fe; **SEUME**

H *Pimpinella peregrina* L.; 1,5,7,14,16; Fe,Fd,Ea,Ff; **SEUME**; (VISIANI, 1852:34)

T *Scandix pecten-veneris* L.; 1–9,11–16; Ff,Ea,Fc,Fb,Fd,Eg; **WSP**

H *Seseli montanum* L. subsp. *tommasinii* (Reichenb. fil.) Arcangeli; 1,2,5–12,14–16; Ba,Ab,Aa,Ad; **ISEU**; (VISIANI, 1826:47 as *S. glaucum*)

H *Seseli pallasii* Besser (incl. *S. varium* Trev.); 18; Ba,Ab,Aa; **SEUPO**

H *Seseli tomentosum* Vis.; 2,7,9; Af,Ba,Ab,Aa; **IADE**; (VISIANI, 1826:47)

H *Seseli tortuosum* L.; 7–9,12; Ba,Fe,Ea; **SEUME**

H *Smyrnium perfoliatum* L.; 8,9,12,15,16; Fg,Ad,Fe; **CME**

T *Tordylium apulum* L.; 1–5,7–16; Ff,Ea,Fc,Fb,Ed,Eg,Fe,Fd,Ba; **CME**

T *Tordylium maximum* L.; 15; Ff,Fg,Fe; **EUAS**

T *Tordylium officinale* L.; 1,2,4–6,8,10–16; Ba,Ab; **EME**; (VISIANI, 1826:49)

T *Torilis arvensis* (Hudson) Link subsp. *arvensis;* 1,2,5,6,10–16; Ea,Ff,Fg; **SEUME**

T *Torilis arvensis* (Hudson) Link. subsp. *purpurea* (Ten.) Hayek; 1,3,6–10,12,14–16; Ea,Fe,Ba,Ff; **CME**

T *Torilis nodosa* (L.) Gaertner; 1,5–15,16; Ea,Ed,Fc,Fd; **MEAT**; (VISIANI, 1826:49)

H *Trinia glauca* (L.) Dumort. subsp. *glauca;* 21; Ba,Ad; **MEAT**

T *Turgenia latifolia* (L.) Hoffm.; 13; Fa,Fb; **EUAS**; (VISIANI, 1826:30 as *Caucalis latifolia*)

Urticaceae

H *Parietaria judaica* L.; 1–16; Ea,Eb,Ec,Eg,Ff,Ed,Fg,Ba,Af,Ac,Ef,Ee,Eh; **SEUME**

H *Urtica dioica* L.; 1,7–9,12,15; Ee,Ea,Ff,Fg; **WSP**

T *Urtica pilulifera* L.; 10,11,14; Ee,Ea,Ff,Fg; **SEUME**; (HOST in VISIANI, 1826:XX; VISIANI, 1826:50)

T *Urtica urens* L.; 1,3,5–16; Fc,Fb,Ff,Fd,Ea,Fg; **WSP**

Valerianaceae

Ch *Centranthus ruber* (L.) DC.; 1,2,6,16; G,Ea,Eg; **MEAT**

H *Valeriana tuberosa* L.; 1,2,6,8–16; Ba,Ab,Ad,Ae; **SEUME**; (VISIANI, 1826:50)

T *Valerianella coronata* (L.) DC.; 3,4,6,7,9,12; Ff,Fd,Fe,Bb; **CME**; (VISIANI, 1847:20 as *V. hamata* Bast.)

T *Valerianella discoidea* (L.) Loisel.; 1–6,10,14; Ff,Fg,Fd,Fe; **CME**; (VISIANI, 1826:35 as *Fedia discoidea*)

T *Valerianella echinata* (L.) DC.; 2–5,12,16; Ff,Fd,Fe,Fg,Eg; **CME**; (VISIANI, 1826:35 as *Fedia echinata*)

T *Valerianella eriocarpa* Desv.; 7,8; Fd,Ff,Ea,Fc,Fb; **SEUME**; (VISIANI, 1826:35 as *Fedia microcarpa* Reich.)

T *Valerianella locusta* (L.) Laterrade; 1,5,7–9,14; Ff,Fd,Fg,Bb; **CME**

T *Valerianella muricata* (Steven ex Bieb.) J. W. Loudon; 1,7,9,11,13–16; Ba,Ab,Bb,Ea; **EME**

T *Valerianella pumilla* (L.) DC.; 1,4; Ea; **CME**; (VISIANI, 1847:19)

V e r b e n a c e a e

H *Verbena officinalis* L.; 1–10,13–16; Fd,Fe,Bc,Eg,Ce,Ff; **WSP**

P *Vitex agnus-castus* L.; 1–6,13–16; Dd,Db,Ea,Cb,Cc; **CME**

V i o l a c e a e

H *Viola adriatica* Freyn; 2–5,7,9–12,14–16; Ad,Ae,Ff,Fg,Aa; **IADE**

T *Viola arvensis* Murray; 1–3,5–7,9–12,14–16; Ff,Fg,Eg,Fc,Fd; **WSP**; (VISIANI, 1826:51 as *V. tricolor α lutea*)

T *Viola kitaibeliana* Schultes; 1–7,9,12,16; Ba,Ff; **CME**

H *Viola odorata* L.; 4–7,9; Ea,Eb,G; **EU**

T *Viola tricolor* L.; 1,16; G,Ea,Eb; **CUAD**; (VISIANI, 1826:51)

V i t a c e a e

P *Vitis vinifera* L.; 1–9,11–16; G,Fg,Ad,Fe,Ab; **WSP**

P *Parthenocissus quinquefolia* (L.) Planchon; 1,2,6; G,Eb; **CUAD**

P *Parthenocissus tricuspidata* (Siebold & Zucc.) Planchon; 1; G,Eb; **CUAD**

Z y g o p h y l l a c e a e

T *Tribulus terrestris* L.; 1–3,5–8,10–12,15; Ea,Eb,Eg,Ff,Fc; **SEUME**

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A g a v a c e a e

P *Agave americana* L.; 1,2,4–6,14; G,Ea,Cc; **CUAD**

P *Yuca gloriosa* L.; 1,6; G,Ea; **CUAD**

A m a r y l l i d a c e a e

G *Sternbergia colchiciflora* Waldst. & Kit.; 11; Ba,Ae; **MEPO**

G *Sternbergia lutea* (L.) Ker-Gawler ex Sprengel; 3; Eg; **CME** (VISIANI, 1826:24 as *Amaryllis lutea*)

A r a c e a e

G *Arum italicum* Miller; 1,3,5–16; Ff,Fg,Fc,Fd,Ba,Ae,Ad; **MEAT**

G *Biarum tenuifolium* (L.) Schott.; 1,3,6–16; Ba,Ab,Ad,Fe,Ae,Fe; **CME**; (VISIANI, 1826:26 as *Arum tenuifolium*)

C y p e r a c e a e

H *Carex depauperata* Curtis ex With.; 12; Ae,Ad,Fg; **MEAT**

H *Carex distachya* Desf.; 1–7,11–15; Ba,Fe,Ac; **CME**; (VISIANI, 1842:102 as *C. linkii* Schk.)

H *Carex distans* L.; 2–5,13; Bc,Ff,Db,Dd; **EU**; (VISIANI, 1852:347)

G *Carex divisa* Hudson; 1–6,13; Bc,Fe,Dd,Db; **MEAT**

H *Carex divulsa* Stokes subsp. *divulsa*; 1,3–5,8–15; Ff,Fg,Bc,Ac; **WSP**; (VISIANI, 1842:100)

H *Carex extensa* Good.; 3,4; Cd,Db; **MEAT**; (VISIANI, 1852:348)

G *Carex flacca* Schreber (=*C. glauca* Scop.); 1,3,5,11–14; Bc,Ba,Fg,Bb,Fe,Ad; **WSP**

H *Carex hallerana* Asso; 1–16; Ba,Ab,Ad,Ac,Fe; **SEUME**; (VISIANI, 1842:102 as *C. alpestris* Allion; TRINAJSTIĆ, 1992)

G *Carex hirta* L.; 9; Dd; **EUAS**

H *Carex otrubae* Podp. (=*C. vulpina* auct., non L.); 5,13; Bc,Dd,Db; **SEUME**

H *Carex spicata* Hudson (=*C. contigua* Hoppe); 8,9,13,16; Bc,Fg,Ad; **EUAS**

H *Carex vulpina* L.; 5; Bc; **EU**

G *Eleocharis palustris* (L.) Roemer & Schultes (=*Scirpus palustris* L.); 9; Bc,Db,Dd; **WSP**; (VISIANI, 1842:107)

H *Schoenus nigricans* L.; 2,4; Cd,Cb; **WSP**

G *Scirpus holoschoenus* L. (=*Holoschoenus vulgaris* Link); 4,5,13; Bc,Cd,Db,Dd; **CME**

G *Scirpus litoralis* Schrader; 13; Bc; **CME**

G *Scirpus maritimus* L. subsp. *maritimus*; 2,4; Cd,Cb; **WSP**

G *Scirpus lacustris* L. subsp. *tabernaemontani* (C.C. Gmelin) Syme; 4,5; Db,Ce; **WSP**; (VISIANI, 1842:109 as *S. glaucus* Sm.)

D i o s c o r e a c e a e

G *Tamus communis* L.; 6–8,10–12,14–16; Ad,Fg,Ab,Fe; **SEUME**

G r a m i n e a e (=Poaceae)

T *Aegilops geniculata* Roth; 1–16; Ba,Ea,Ab,Ff,Fe; **CME**; (VISIANI, 1842:90 as *A. ovata* L.)

T *Aegilops triuncialis* L.; 1,4–13,15,16; Ea,Ff,Fc,Fd,Fe,Bb; **CME**

H *Agrostis castellana* Boiss. & Reuter; 3–5,15,16; Ea,Fe,Bc; **MEAT**

H *Agrostis stolonifera* L. (incl. *A. maritima* Lam.); 6,14; Bc,Ea,Ff,Fg; **CHSP**

H *Alopecurus bulbosus* Gouan; 5; Bb,Bc,Fb; **MEAT**

T *Alopecurus myosuroides* Hudson; 5,9,13; Fb,Bc; **WSP**

T *Alopecurus rendlei* Eig.; 1,13; Bc,Ea; **SEUME**; (VISIANI, 1842:65 as *A. utriculatus* Pers.)

H *Anthoxanthum odoratum* L.; 8,11–16; Ba,Ae,Ad; **EUAS**

H *Arrhenatherum elatius* (L.) Beauv.; 1,5,13; Bc,Ea,Ff; **EU**; (VISIANI, 1842:47 as *Holcus avenaceus* Scop.)

G *Arundo donax* L.; 1,4,6,7; Ea,Cd; **CME**

T *Avena barbata* Pott.; 1–16; Ea,Bb,Ba,Fc,Fb,Ff,Fg,Eg,Fe,Fd; **WSP**

T *Avena fatua* L.; 13; Fa; **SEUME**; (VISIANI, 1842:27)

T *Avena sativa* L.; 5,7,12,13,16; G,Fa,Ff; **CUAD**; (VISIANI, 1826:27 as *A. strigosa*)

T *Avena sterilis* L.; 1–11,13–16; Ea,Ff,Fg,Eg,Ed,Ba; **SEUPO**; (GARNWEIDNER, 1987)

H *Bothriochloa ischaemum* (L.) Keng; 1–3,5–14; Ba,Bb,Fe,Ae; **SEUME**; (TRINAJSTIĆ, 1992)

T *Brachypodium distachyon* (L.) Beauv.; 1,2,4–16; Ba,Ab,Ad,Ae,Ff; **CME**; (VISIANI, 1842:94 as *Triticum ciliatum* DeC.)

H *Brachypodium pinnatum* (L.) Beauv. subsp. *rupestre* (Host) Schübler & Martens; 1,3,5–8,10–16; Ad,Fg,Ff; **WSP**

H *Brachypodium retusum* (Pers.) Beauv.; 1–16; Ba,Ab,Ac,Aa,Fe,Ea; **CME**; (VISIANI, 1826:28 as *Bromus retusus* Pers.)

T *Briza maxima* L.; 2,3,6,7,11,13,14; Ba,Ae; **CME**; (VISIANI, 1842:84)

T *Bromus arvensis* L.; 5; Bc; **EUAS**

T *Bromus commutatus* Schrader *subsp. commutatus;* 5; Bc; **EU**

H *Bromus erectus* Hudson subsp. *condensatus* (Hackel) Ascherson & Graebner; 1,10,11,17; Ba,Ab,Ad,Fe,Ea; **SEUME**; (VISIANI, 1842:73 as *B. erectus* Huds.)

T *Bromus hordaceus* L. subsp. *molliformis* (Lloyd) Maire & Weiller; 1–16; Ea,Fc,Bb,Ff,Eg; **SEUME**

T *Bromus intermedius* Guss.; 4,6,7; Ea,Bb,Fe; **CME**

T *Bromus madritensis* L.; 1–16; Ea,Bb,Fc,Fb,Ff,Eg,Eb; **MEAT**; (VISIANI, 1842:72)

T *Bromus racemosus* L.; 1,7; Bc,Ea,Ff; **EU**

T *Bromus rigidus* Roth; 1–10,13,15; Ea,Ed; **SEUAT**

T *Bromus secalinus* L.; 5; Bc; **EUAS**

T *Bromus squarosus* L.; 3,5–10,12–16; Ba,Ab,Fc,Fb,Fd,Ad; **SEUPO**

T *Bromus sterilis* L.; 1–12,14–16; Ea,Ff,Fd,Eg,Eb,Ba; **WSP**

H *Chrysopogon gryllus* (L.) Trin.; 1,2,5–16; Ba,Ab,Ad,Fe; **MEPO**; (VISIANI, 1842:49 as *Pollinia gryllus* Spr.; TRINAJSTIĆ, 1992)

H *Cleistogenes serotina* (L.) Keng; 1,4,5,7–11,13,15,16; Ba,Ab,Fe; **SEUPO**; (VISIANI, 1826:35 as *Festuca serotina*)

G *Cynodon dactylon* (L.) Pers.; 1–16; Ea,Eb,Fc,Fd,Eg,Ff; **WSP**; (MARKOVIĆ, 1969)

T *Cynosurus echinatus* L.; 1,2,4–16; Ba,Ab,Fe,Ad; **SEUME**; (VISIANI, 1842:85)

H *Dactylis glomerata* L. subsp. *hispanica* (Roth) Nyman; 1–16; Ea,Ba,Bb,Bc,Fc,Ed,Fd,Fe,Eg; **CME**; (VISIANI, 1842:76 as *D. hispanica* Roth.)

T *Dasypyrum villosum* (L.) P. Candargy; 1,2,4,9,12–16; Ea,Ff,Fg,Ba,Bb; **SEUME**; (VISIANI, 1842:93 as *Triticum villosum* Bieberst.)

T *Desmazeria marina* (L.) Druce (=*Catapodium loliaceum* (Hudson) Link); 2,4,8; Cb,Cc; **MEAT**

T *Desmazeria rigida* (L.) Tutin; 1–6,8–16; Ea,Ba,Ab,Ad,Eb,Eg,Ff,Ae; **MEAT**; (VISIANI, 1842:82 as *Poa rigida* L.)

T *Digitaria ciliaris* (Retz.) Koeler; 4,7,15; Ea; **WSP**

T *Digitaria sanquinalis* (L.) Scop.; 1,2,4–8,11; Ea,Ed,Fc,Fb,Ff,Eg; **WSP**; (VISIANI, 1842:54)

T *Echinochloa crus-galli* (L.) Beauv.; 1,2; Ea,Ed; **WSP**

T *Eleusine indica* (L.) Gaertner; 1,7; Ea,Eb; **CUAD**; (MILOVIĆ, 2001)

H *Elymus elongatus* (Host) Runemark; 2–4; Cd,Cb; **SEUME**

G *Elymus hispidus* (Opiz) Melderis subsp. *hispidus;* 7,11; Bb,Ff,Ea,Ba; **SEUME**

G *Elymus pycnanthus* (Godron) Melderis (=*Agropyron litorale* Dumort., nom. illeg.); 1–6; Cc,Cb,Cd,Ea; **CME**

G *Elymus repens* (L.) Gould.; 1–5,7,9–16; Ea,Ff,Fg,Bc; **WSP**

T *Eragrostis cilianensis* (All.) F.T. Hubbard; 1–12,16; Ea,Eg,Eb,Ed; **WSP**; (VISIANI, 1842:82 as *Poa megastachya* Koel.)

T *Eragrostis minor* Host.; 1,2,7,10,12,15; Ea,Eb,Ba; **WSP**

H *Festuca arundinacea* Schreber; 1–10,12,13; Db,Dd,Bc,Ff; **EU**; (VISIANI, 1842:75)

H *Festuca illyrica* Markgr.-Dannenb.; 1–6,8–16; Ba,Ab,Ad,Ac,Af; **IADE**; (TRINAJSTIĆ, 1992)

H *Festuca pratensis* Hudson; 11; Bb; **WSP**

H *Festuca rubra* L. subsp. *rubra*; 7,14; Ba,Bb,Ea; **CHSP**

H *Festuca valesiaca* Schleicher ex Gaudin; 17; Ba,Ab; **EEUPO**; (TRINAJSTIĆ, 1992)

T *Gaudinia fragilis* (L.) Beauv.; 5; Bc,Db; **SEUME**

T *Hainardia cylindrica* (Willd.) W. Greuter (=*Lepturus cylindricus* (Willd.) Trin.; 3,4; Cb,Cc,Cd; **CME**

H *Helictotrichon convolutum* (C. Presl.) Henrard (=*Avena convoluta* C. Presl.); 1–4,6–16; Ba,Ab,Ad,Aa,Af,Fe; **WME**

H *Holcus lanatus* L.; 13; Bc,Ff; **EUAS**

H *Hordeum bulbosum* L.; 1,2,5,9–11,13–15; Ea,Ff,Bc; **SEUME**; (VISIANI, 1842:98)

T *Hordeum distichon* L.; 5,13; G,Fa,Ff; **CUAD**

T *Hordeum murinum* L. subsp. *leporinum* (Link) Arcangeli; 1–16; Ea,Eg,Eb,Ff, Ba,Bb,Fc,Fb; **CME**; (MARKOVIĆ, 1969 as *H. leporinum* Lk.)

T *Hordeum murinum* L. subsp. *murinum;* 5,9,16; Ea,Ff; **CHSP**

H *Hordeum secalinum* Schreber; 5,13; Bc; **WSP**; (VISIANI 1842:98 as *H. pratense* Huds.)

T *Hordeum vulgare* L.; 3,5,16; G,Fa,Ef; **CUAD**

H *Hyparrhenia hirta* (L.) Stapf. (=*Cymbopogon hirtus* (L.) Thomson); 22; Ba; **CME**

H *Koeleria splendens* C. Presl.; 1–3,5,6,8–15; Ba,Ab,Aa,Ad,Fe; **SEUME**; (MARKOVIĆ, 1969; TRINAJSTIĆ, 1992)

T *Lagurus ovatus* L.; 1–6; Bc,Ea,Bb,Ac,Ba; **CME**; (VISIANI, 1826:39)

T *Lolium multiflorum* Lam.; 4; Cd; **CME**

H *Lolium perenne* L.; 1–16; Ea,Ff,Bc,Fc,Fb; **EU**; (VISIANI, 1842:92)

T *Lolium rigidum* Gaudin. subsp. *lepturoides* (Boiss.) Sennen & Mauricio; 1–8,10,11,14,16; Ea,Ff,Cb,Eg,Fd; **EME**

T *Lolium rigidum* Gaudin subsp. *rigidum;* 1,2,7,10,14–16; Ea,Bb, Ff,Bc; **SEUME**

T *Lolium temulentum* L.; 21; Fa; **WSP**; (VISIANI, 1842:90 as *L. arvense* Wither)

T *Lophochloa cristata* (L.) Hyl.; 1–11,13–16; Ea,Eb,Ed,Eg,Fc,Fb; **WSP**; (VISIANI, 1826:39 as *Koeleria phleoides* Pers.)

H *Melica ciliata* L.; 1–16; Ba,Ab,Ad,Ea,Eb,Af; **EUAS**; (VISIANI, 1826:41)

T *Panicum capillare* L.; 1; Ea,Ed; **CUAD**

T *Panicum miliaceum* L.; 1; Ea; **CUAD**
H *Paspalum dilatatum* Poiret; 4; Ea,Bb; **CUAD**; (ILIJANIĆ, 1990)
G *Paspalum paspalodes* (Michx) Scribner; 5,14; Dd; **CUAD**; (MILOVIĆ, 2001)
H *Phalaris aquatica* L.; 5; Bc,Ff; **CME**; (VISIANI, 1842:62)
T *Phalaris canariensis* L.; 1,3; Bc,Ea.Eg; **CME**
T *Phalaris paradoxa* L.; 5; Bc; **CME**
T *Phleum echinatum* Host.; 1,5–8,11,14–16; Ba,Ab,Fe,Fd,Bb; **CME**
H *Phleum phleoides* (L.) Karsten; 5,8,12,15,16; Fe,Ba,Ae,Ad; **EUAS**
H *Phleum pratense* L. subsp. *bertolonii* (DC.) Bornm; 8,10,13,16; Fe,Ad,Fb; **EUAS**
H *Phleum pratense* L. subsp. *pratense;* 7,9; Ea,Ba; **CHSP**
T *Phleum subulatum* (Savi) Ascherson & Graebner; 1–16; Bb,Ba,Bc,Ea,Fe; **CME**
T *Pholiurus incurva* (L.) C.E. Hubbard (=*Lepturus incurvatus* Trin.); 2–4,6; Cb,Cc; **WSP**
G *Phragmites australis* (Cav.) Trin.; 3–6,10; Db,Dd,Ea; **WSP**
H *Piptatherum miliaceum* (L.) Cosson; 1–9,12–14; Ea,Fe,Eg; **SEUME**; (VISIANI, 1826:24 as *Agrostis miliacea*)
T *Poa annua* L.; 1–6,11,12,14–16; Ea,Fc,Eb,Fb,Ff; **WSP**
H *Poa bulbosa* L.; 1–16; Ba,Ab,Ad,Af; **EUAS**; (MARKOVIĆ, 1969; TRINAJSTIĆ, 1992)
H *Poa compresa* L.; 12–15; Fg,Ad,Ff,Ae,Bc; **WSP**
H *Poa pratensis* L.; 1,4,6–16; Ea,Ff,Bb,Bc; **WSP**; (VISIANI, 1842:81)
H *Poa trivialis* L. subsp. *sylvicola* (Guss.) H. Lindb. fil.; 4,5,11–13,16; Ea,Bc,Ff,Ad; **EUME**
T *Polypogon maritimus* Willd.; 3,4; Cb,Cd; **CME**; (VISIANI, 1842:53)
T *Polypogon monspeliensis* (L.) Desf.; 5; Cb,Db; **WSP**
T *Psilurus incurvus* (Gouan) Schinz & Thell. (=*P. aristatus* (L.) Duval-Jouve); 4,12,16; Ad,Ba; **CME**
H *Puccinellia distans* (L.) Parl; 5; Db,Cb; **EUAS**; (VISIANI, 1842:83 as *Glyceria distans* Wahlenb.)
H *Puccinellia festuciformis* (Host) Parl.; 2–6; Cb,Cc,Db; **MEPO**
H *Sesleria autumnalis* (Scop.) F.W. Shultz; 6–15; Ad,Ff,Fg,Ba; **ISEU**; (VISIANI, 1826:47 as *S. elongata* Host.)
H *Sesleria tenuifolia* Schrader subsp. *tenuifolia;* 10; Ba,Af; **BAP**
T *Setaria ambigua* (Guss.) Guss., non Schrader (=*S. verticillata x viridis*); 1,7; Ea,Ed; **WSP**
T *Setaria pumila* (Poiret) Schultes; 1,3,4; Ea,Bb,Ed; **WSP**
T *Setaria italica* (L.) P. B. (=*S. viridis* (L.) P.B. subsp. *pycnocoma* (Steud) Tzvelev); 1,3,4,7,8; Ea,Eg,Ed; **CUAD**
T *Setaria verticillata* (L.) Beauv.; 1–8,10–16; Ea,Fc,Fb,Ff,Fe,Fd,Ef,Eg; **WSP**
T *Setaria viridis* (L.) P.B.; 1–16; Ea,Ed,Fc,Fd,Fe,Fb,Ff,Eb,Eg; **EUAS**
G *Sorghum halepense* (L.) Pers.; 1–4,6,7; Ea,Fb,Ff,Fg,Eg; **WSP**

H *Stipa bromoides* (L.) Dörfler; 1–11,13–15; Ba,Ab,Fe; **CME**

H *Stipa capillata* L.; 8,10; Ba; **EUAS**

H *Stipa pennata* L.; 1,2,4,7–15; Ba,Ab,Ad; **EUAS**; (TRINAJSTIĆ, 1992 as *S. eriocaulis* Borb.)

T *Tragus racemosus* (L.) All.; 1,3,6–8,10; Ea,Eg,Fc,Ff; **SEUME**; (VISIANI, 1842:55 as *Lappago racemosa* W.)

H *Trisetum flavescens* (L.) Beauv. subsp. *flavescens;* 8,10,12,13; Bc,Ff; **CHSP**

T *Triticum turgidum* L.; 1,9,14,15; G,Ff,Ea,Eh; **CUAD**

T *Vulpia bromoides* (L.) S. F. Gray; 12; Ba,Ae,Ad; **EUAS**

T *Vulpia ciliata* Dumort.; 1–16; Ba,Ab,Ad,Ea,Fc,Fe; **SEUME**; (VISIANI, 1842:75 as *Festuca ciliata* Link)

T *Vulpia fasciculata* (Forskal) Samp.; 1; Ba; **MEAT**

I r i d a c e a e

G *Crocus biflorus* Miller; 11,12; Ba,Ac; **SEUPO**

G *Crocus thomasii* Ten.; 1,6–13,16; Ba,Fe; **IAP**; (VISIANI, 1826:32 as *C. odorus* Biv-Bern.)

G *Gladiolus imbricatus* L.; 1–9,11–15; Fg,Fe,Fd,Fa,Bc,Ba,Ab,Ad; **SEEU**

G *Hermodactylus tuberosus* (L.) Miller; 7; Ae; **EME**

G *Iris adriatica* Trinajstić; 1; Ba,Ab; **IADE**; (VISIANI, 1826:38 as *I. pumila*)

G *Iris germanica* L.; 1–6,8,14,16; G,Ea; **CUAD**

G *Iris illyrica* Tommasini; 21; Ad,Ba; **IADE**

G *Iris pallida* Lam. subsp. *pallida;* 1; Ea; **CUAD**

G *Romulea bulbocodium* (L.) Sebastiani & Mauri; 1,5–7,9,14,17,18; Ba,Ab; **CME**

J u n c a c e a e

H *Juncus acutus* L.; 2–6; Cb,Cc,Cd; **MEAT**

G *Juncus articulatus* L.; 5,13; Bc,Db; **CHSP**

T *Juncus bufonius* L.; 4,13; Bc; **WSP**

G *Juncus gerardi* Loisel.; 2–5,13; Bc,Db,Dd,Cd; **WSP**

G *Juncus inflexus* L. (=*J. glaucus* Sibith.); 5,13; Bc,Db; **EUAS**

G *Juncus maritimus* Lam.; 2–6; Cb,Cc,Cd; **WSP**

L e m n a c e a e

Hy *Lemna gibba* L.; 9; Dc; **WSP**; (VISIANI, 1852:355)

L i l i a c e a e

G *Allium ampeloprasum* L.; 1–11,13–15; Ea,Ff; **CME**; (VISIANI, 1842:141)

G *Allium cepa* L.; 1,2,6,7,9,11,14–16; G,Ea,Eg; **CUAD**

G *Allium flavum* L.; 1,3,4,6–11,13,14,16; Ba,Ab,Ad; **CME**; (VISIANI, 1842:138)

G *Allium guttatum* Steven subsp. *dalmaticum* (A. Kerner ex Janchen) Stearn; 1,7,12; Ba,Ab,Fe; **IBE**

G *Allium guttatum* Steven subsp. *sardoum* (Moris) Stearn (=*A. margaritaceum* Sm., non Moench); 1; Ba,Ea; **CME**

G *Allium moschatum* L.; 10; Ba; **SEEU**; (VISIANI, 1826:24 as *A. capillare*)

G *Allium neapolitanum* Cyr.; 1,4,13; Ea,Ff,Bb; **CME**

G *Allium paniculatum* L. subsp. *fuscum* (Waldst. & Kit.) Arcangeli; 1,2,4–7,12–16; Ba,Ab; **IBE**

G *Allium paniculatum* L. subsp. *paniculatum;* 1,8,11,13; Ba,Ab; **SEUME**; (VISIANI, 1842:137 as *A. intermedium* Lam.)

G *Allium porrum* L.; 2–4; Cc,Ea; **CUAD**

G *Allium roseum* L.; 1–4,6,7,13; Ea,Ff; **CME**; (VISIANI, 1842:135)

G *Allium scorodoprasum* L. subsp. *rotundum* (L.) Stearn; 2,6,11,16; Ff,Fg; **SEUME**

G *Allium scorodoprasum* L. subsp. *scorodoprasum;* 5,13; Fe,Ff; **EEUPO**

G *Allium senescens* L. subsp. *montanum* (F. W: Schmidt) J. Holub; 10; Ba; **SEUME**

G *Allium sphaerocephalon* L. subsp. *sphaerocephalon;* 1,5,7,8,11,13,15; Ea,Fe,Ad; **SEUME**

G *Allium subhirsutum* L.; 1–3,6,11,16; Ba,Ab,Ad; **CME**; (VISIANI, 1826:24)

G *Allium vineale* L.; 1,3,7,16; Ff,Fg,Fc,Ba,Ab,Eg,Ea; **WSP**

G *Anthericum liliago* L.; 12,21; Ba,Ad; **SEUME**

G *Asparagus acutifolius* L.; 1–16; Ab,Ad,Ac,Ba,Fg,Fe; **CME**

G *Asparagus officinalis* L. subsp. *officinalis;* 3; G,Ff; **CUAD**

G *Asphodeline lutea* (L.) Reichenb.; 1,5,11,14; Ea,Ff,Fg,Fd,Fe; **EME**; (VISIANI, 1826:27 as *Asphodelus luteus*)

G *Asphodelus aestivus* Brot. (=*A. microcarpus* Viv.); 7; Ab,Ba; **CME**

H *Asphodelus fistulosus* L.; 1–8,14; Ea,Ff,Eg; **CME**; (VISIANI, 1826:27)

G *Bellevalia romana* (L.) Reichenb.; 5,13; Bc; **CME**; (VISIANI, 1826:37 as *Hyacinthus romanus*)

G *Colchicum bivonae* Guss. (incl. *C. visianii* Parl.); 11; Ba,Ff; **IAP**

G *Colchicum hungaricum* Janka; 1,2,5,8,9,11,12,16; Ba,Ab,Ad,Fe; **CME**

G *Fritillaria orientalis* Adams; 7–10,12; Ba,Ae,Ad,Fg; **SEUMO**

G *Gagea pusilla* (F.W. Schmidt) Schultes & Schultes fil.; 7,9,12,16; Ba,Ae; **MEPO**

G *Lilium candidum* L.; 2,7,11,16; G,Ea; **CUAD**

G *Muscari botryoides* (L.) Miller; 7–10,12,15,16; Ba,Ad,Bb; **SEUME**; (VISIANI, 1826:37 as *Hyacinthus botryoides*; TRINAJSTIĆ, 1992)

G *Muscari comosum* (L.) Miller; 1–5,7–16; Fc,Fb,Fa,Ff,Fg,Bb,Bc,Ab,Ad; **SEUME**

G *Muscari neglectum* Guss. ex Ten.; 1–16; Ba,Ab,Ff,Ab,Aa,Ad,Fc,Bb,Ea,Eg; **CME**

G *Ornithogalum collinum* Guss.; 1–4,6,9,10,12,14–16; Ba,Ae,Ab,Ac; **CME**; (TRINAJSTIĆ, 1992 as *O. gussonei* Ten.)

G *Ornithogalum comosum* L.; 1,2,5,7–16; Ba,Ab,Ad,Aa; **SEEU**; (VISIANI, 1842:146)

G *Ornithogalum narbonense* L.; 3,7,8; Ff,Fg,Fe; **CME**; (VISIANI, 1852:147)

G *Ornithogalum ortophyllum* Ten. subsp. *kochii* (Parl) Zahar.; 12; Ba,Ad; **IADE**

G *Ornithogalum pyramidale* L.; 5,11,13,16; Fg,Ff,Fb,Bc; **SEUME**

G *Ornithogalum refractum* Kit. ex Schlecht; 1,3,4,7,9; Fc,Fd,Ea,Bb; **SEUME**; (VISIANI, 1826:42)

G *Ruscus aculeatus* L.; 2,5–7,9–12,14,16; Ba,Ab,Ad,Af; **MEPO**

G *Scilla autumnalis* L.; 2,6,9–16; Ba,Ab,Ad,Ae; **MEPO**; (VISIANI, 1842:142)

G *Scilla bifolia* L.; 11,16; Ba,Ad; **SEUME**

G *Scilla litardierei* Breistr. (=*Prospero elisae* Speta); 13; Bc; **IADE**

P *Smilax aspera* L.; 1–7,10,11; Ab,Aa,Ab,Fg,Af; **CME**

G *Triglochin bulbosa* L. subsp. *barrelieri* (Loisel.) Rouy; 3,4; Cb; **CME**

Orchidaceae

G *Anacamptis pyramidalis* (L.) L.C.M. Richard; 2,21; Ba,Ad,Fe; **EU**

G *Cephalantera damasonium* (Miller) Druce; 1,9,16; Ad,Ac; **SEUME**

G *Epipactis microphylla* (Ehrh.) Swartz.; 16,21; Ad,Ba; **EUAS**

G *Himantoglossum adriaticum* H. Baumann; 8,15; Ba,Ae; **SEUME**

G *Limodorum abortivum* (L.) Swartz.; 8,9,11,15,16,21; Ba,Ab,Ad,Fe; **SEUME**

G *Ophrys apifera* Hudson; 3,13; Ba,Fd; **SEUME**

G *Ophrys bertolonii* Moretti; 1–7,12,14,15; Ba,Ab,Fd,Fe,Ae; **SEUME**

G *Ophrys lutea* (Gouan) Cav. subsp. *murbeckii* (Fleischm.) Soó (=*O. sicula* Tineo); 6; Ab,Ba; **CME**

G *Ophrys scolopax* Cav. subsp. *cornuta* (Steven) Camus; 8,9,12–16; Ba,Fe; **MEPO**

G *Ophrys sphegodes* Miller subsp. *atrata* (Lindley) E. Mayer; 2,10; Ba,Ab; **EUME**

G *Orchis coriopohora* L. subsp. *fragrans* (Pollini) Sudre; 15; Ba,Ad; **CME**

G *Orchis laxiflora* Lam. subsp. *laxiflora*; 5,13; Bc; **MEAT**

G *Orchis morio* L.; 15; Ba; **EURAS**; (VISIANI 1842:166)

G *Orchis provincialis* Balbis subsp. *pauciflora* (Ten.) Camus; 6,10,12; Ba,Ad; **CME**

G *Orchis purpurea* Hudson; 2–4,7–11; Ba,Ab; **EUAS**; (VISIANI, 1842:169 as *O. fusca* Jacq.)

G *Orchis quadripunctata* Cyr. ex Ten.; 2,6,7,11,17,21; Ba,Ab,Ad; **EME**; (VISIANI, 1842:168 as *O. hostii* Trattinn.)

G *Orchis tridentata* Scop. subsp. *commutata* (Tod.) Nyman; 2,4,12,15; Ba,Ab,Ad,Fe; **EEUPO**

Potamogetonaceae

Hy *Cymodocea nodosa* (Ucria) Acherson; 3,4,6; Ca; **MEAT**

Hy *Posidonia oceanica* (L.) Delile; 6; Ca; **CME**

Hy *Potamogeton crispus* L.; 5,9,15; Da,Dc; **WSP**

Hy *Potamogeton nodosus* Poiret; 15; Dc; **WSP**

Typhaceae

G *Typha latifolia* L.; 5; Dd; **WSP**

Zannichelliaceae

Hy *Zannichellia palustris* L. (incl. *Z. major* (Hartman) Boen. ex Reichenb.); 5; Da; **WSP**

Zosteraceae

Hy *Zostera noltii* Hornem (=*Z. nana* Roth pro parte); 6; Ca; **MEAT**

THE ANALYSIS OF THE FLORA

Taxonomical analysis

The list of the flora of Šibenik and surroundings contains a total of 1075 species and subspecies of *Pteridophyta* and *Spermatophyta* classified into 462 genera and 102 families (Tab. 1). Twelve among the 102 families are represented with more than 20 taxa (Tab. 2).

Tab. 1. Taxonomical analysis of the flora of Šibenik and its surroundings

Taxa	*Pteridophyta*	*Gymnospermae*	*Angiospermae*		**Total**
			Dicotyled.	*Monocotyled.*	
Families	3	3	81	15	102
Genera	3	4	361	100	461
Species	6	7	706	166	885
Subspecies	–	2	131	57	190
Species and subspecies	6	9	837	223	**1075**
%	0.56	0.84	77.86	20.74	**100**

Tab. 2. Families with more than 20 species and subspecies

Families	No. of species and subspecies	% of total flora (1075)
Compositae	139	12.93
– *Asteroideae*	90	.....8.37
– *Cichorioideae*	49	.....4.56
Gramineae	115	10.70
Leguminosae	115	10.70
Cruciferae	55	5.12
Labiatae	46	4.28
Liliaceae	44	4.09
Caryophyllaceae	40	3.72
Umbelliferae	40	3.72
Scrophulariaceae	35	3.26
Chenopodiaceae	24	2.23
Rosaceae	24	2.23
Ranunculaceae	21	1.95

Analysis of taxa previously registered

An analysis of taxa previously registered for the area of Šibenik and the surroundings investigated is shown in Tab. 3.

Tab. 3. Analysis of previously noted species and subspecies for the area of investigation

Author	Year of publicizing	No. of species noted for the first time	No. of confirmed plant taxa	No. of unconfirmed plant taxa
Host	in Visiani, 1826	10	7	3
Visiani	1826,1842,1847,1852, 1872	411	327	84
Marković	1969	11	11	–
Garnweidner	1987	13	11	2
Pavletić	1987	1	1	–
Ilijanić	1990	1	1	–
Trinajstić	1992,1993	32	28	4
Smital *et al.*	1998	1	1	–
Pandža & Stančić	1999	2	2	–
Milović & Randić	2001	1	1	–
Milović	2001	9	9	–
Total		492	399	93
%		100	81.10	18.90

In the total of 492 previously registered taxa I was not able to confirm the findings for 93 taxa (18.90%) in this research.

Species noted by HOST (HOST in VISIANI, 1826) and unconfirmed by this research are: *Astragalus incanus*, *Melia azederach* and *Vicia onobrychioides*.

Plant taxa recorded by VISIANI (1826, 1842,1847,1852,1872) that were unconfirmed in this research (84 taxa) are: *Acanthus spinosus* (1826:23), *Achillea ligustica* (1847:83), *Achillea nobilis* (1826:23), ? *Aethusa ammi* Spr. (1826:22), *Agrostis parlatorei* (1842:56 as *Agrostis frondosa*), *Allium pallens*. (1842:138), *Alyssum emarginatum* (1852:117), *Alyssum montanum* (1852:117), *Alyssum murale* (1852:117 as *A. argenteum*), *Anchusa officinalis* (1826:25 as *A. arvensis*), *Anethum graveolens* (1852:53), *Apium nodiflorum* (1852:30 as H*elosciadium nodiflorum*), *Aristolochia clematitis* (1842:195), *Barbarea vulgaris* (1852: 123), *Carduus chrysacanthus* (1847:46), *Carex caryophyllea* (1842:103 as *C. verna*), *Carex liparocarpos* (1852:346 as *C. nitida*), *Cerinthe retorta* (1847:242), *Cnicus benedictus* (1826: 30 as *Centaurea benedicta*), *Colchicum cupanii* (1842:156 as *Colchicum bertolonii*), *Conium maculatum* (1852:69), *Conringia orientalis* (1852:133 as *Erysimum orientale*), *Cyperus fuscus* (1842:105), *Echium parviflorum* (1847:248), *Elymus pungens* (1842:93 as *Triticum pungens*), *Eranthis hyemalis* (1826:34), *Erica carnea* (1847:143), *Euphorbia nicaeensis* (1826:35), *Festuca lemanii* (1842:74 as *F. duriuscula*), *Gagea arvensis* (1842:147), *Galega officinalis* (1826:36), *Hieracium sphaerocephalum* (1847:121 as *H. furcatum*), *Hieracium caespitosum* Dumort. (1847:122 as *H. pratense*), *Hordeum hystrix* (1842:99 as *H. maritimum*), *Inula helvetica* (1826:38 as *I. vaillantii*), *Juncus hybridus* (1842:112 as *J. insu-*

lanus), *Koeleria pyramidata* (1842:71 as *K. cristata*), *Lamium maculatum* (1847:211), *Lathyrus incospicuus* (1852:329), *Lathyrus tuberosus* (1852:329), *Leontodon hispidus* (1847:104 as *L. saxatile*), *Leonurus marrubiastrum* (1826:39), *Luzula luzuloides* (1842:114 as *L. albida*), *Malus sylvestris* (1826:44 as *Pyrus malus*), *Mantisalca salmantica* (1847:40 as *Centaurea salmantica*), *Melampyrum arvense* (1847:177), *Melilotus italica* (1852:288), *Narcissus tazeta* (1842:127), *Nigella arvensis* (1826:41), *Nonnea lutea* (1826:25 as *Anchusa lutea*), *Orobanche gracilis* (1847:178 as *O. cruenta*), *Papaver dubium* (1852:99), *Paronichia kapela* subsp. *serpyllifolia* (1852:155 as *P. serpyllifolia*), *Phalaris minor* (1852: 337), *Pimpinella saxifraga* (1826:43 as *P. nigra*), *Poa alpina* (1842:82 as *P. collina*), *Polycarpon tetraphyllum* subsp. *alsinifolium* (1852:156 as *P. alsinifolium*), *Polycnemum arvense* (1826:44), *Polygonum arenarium* (1842:229), *Polygonum bellardi* (1842:229), *Polygonum mite* (1842:228 as *P. laxiflorum*), *Polypogon viridis* (1842:56 as *Agrostis verticillata*), *Pyrus pyraster* (1826:44 as *P. communis α pyraster*), *Ranunculus bulbosus* (1826:45), *Rapistrum rugosum* (1826:21 as *Myagrum perenne*), *Rubia tinctorum* (1826:45), *Salvia verticillata* (1847:190), *Scilla hyacinthoides* (1826:47), *Sclerochloa dura* (1842:82 as *Poa dura*), *Scleranthus annuus* (1842:247), *Sedum cepaea* (1852:187), *Sedum sediforme* (1826:47 as *S. altissimum*), *Silybum marianum* (1847:44), *Stachys arvensis* (1826:48), *Thlaspi arvense* (1852:114), *Thymus striatus* (1826:49 as *T. acicularis*), *Trifolium alexandrinum* (1826:49), *Trifolium cinctum* (1852:293), *Urginea maritima* (1842:144 as *Scilla maritima*), ? *Urtica canabina* (1826:50), *Verbascum phlomoides* (1847:155), *Veronica beccabunga* (1847:172), *Vicia pannonica* subsp. *striata* (1852:318 as *V. pannonica β purpurascens*) and *Zostera marina* (1852:355).

Within the unconfirmed species from »*Stirpium* ….« (VISIANI, 1826) there are *Aethusa ammi* and *Urtica cannabina* (in list marked with ?) for which I was not able to find any appropriate connection with any valid recent name of plant taxa. The same problem for both species was also encountered by TRINAJSTIĆ (1983:126–129) in his analysis of this work of Visiani.

Unconfirmed plant taxa noted by TRINAJSTIĆ (1992): *Centaurea spinosociliata* subsp. *tommasinii* (as C. *tommasinii*), *Anthyllis rubicunda*, *Linum trigynum* (as *L. gallicum*) and *Hieracium pilosella*.

Chamaemelum mixtum and *Potentilla detomasii*, previously noted by GARNWEIDNER (1987), were also unconfirmed in this investigation.

If we added all of these 93 unconfirmed species to the flora list of Šibenik and surroundings (1075) it would contain 1167 plant taxa in total.

Analysis of the life forms

1075 species and subspecies were included in the analysis and the results are shown by the spectrum of life forms in Fig. 2.

Phytogeografical analysis

The presence of floral elements in the flora of Šibenik and surroundings is shown in Tab. 4 as well as by the spectrum of floral elements in Fig. 3.

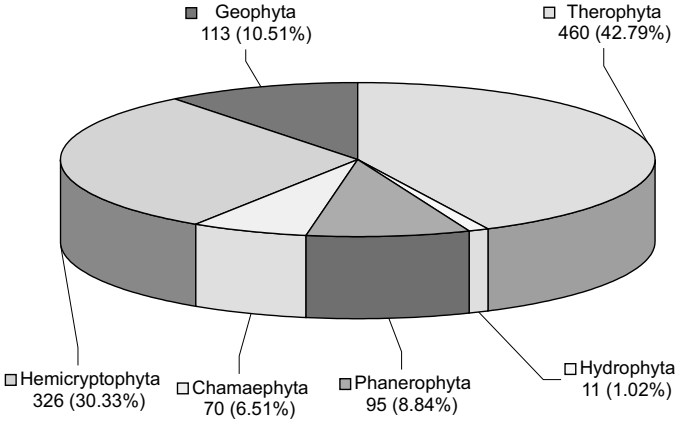

Fig. 2. Spectrum of life forms

Tab. 4. Analysis of floral elements in the flora of Šibenik and surroundings

Floral element	No. of taxa and percentage
1. MEDITERRANEAN FLORAL ELEMENT	**407 (37.86%)**
A. Circum-Mediterranean plants	**228 (21.21%)**
B. West Mediterranean plants	**14 (1.30%)**
C. East Mediterranean plants	**34 (3.16%)**
D. Illyrian-Mediterranean plants	**61 (5.67%)**
D.1. Illyrian-South European plants	15 (1.39%)
D.2. Illyrian-Adriatic plants	46 (4.28%)
D.2.1. Illyrian-Adriatic endemic plants	*32 (2.98%)*
D.2.2. Illyrian-Apennine plants	*14 (1.30%)*
E. Mediterranean-Atlantic plants	**35 (3.26%)**
F. European Mediterranean plants	**9 (0.84%)**
G Mediterranean-Pontic plants	**26 (2.42%)**
2. ILLYRIAN-BALKANIC	**5 (0.47%)**
A. Illyrian-Balkanic endemic plants	**4 (0.37%)**
B. Balkanic-Apennine plants	**1 (0.09%)**
3. SOUTH EUROPEAN	**222 (20.65%)**
A. South European -Mediterranean plants	**158 (14.70%)**
B. South European-Pontic plants	**46 (4.27%)**
C. South European-continental plants	**4 (0.37%)**
D. South European-Atlantic plants	**5 (0.47%)**
E. South European-mountain plants	**9 (0.84%)**
4. EASTERN EUROPEAN-PONTIC	**12 (1.12%)**
5. SOUTHEAST EUROPEAN	**10 (0.93%)**
6. CENTRAL EUROPEAN	**7 (0.65%)**
7. EUROPEAN	**37 (3.44%)**
8. EURASIAN	**111 (10.33%)**
9. CIRCUM-HOLARTIC PLANTS	**10 (0.93%)**
10. WIDESPREAD PLANTS	**167 (15.53%)**
11. CULTURAL & ADVENTITIOUS PLANTS	**87 (8.09%)**
T O T A L	**1075 (100.00%)**

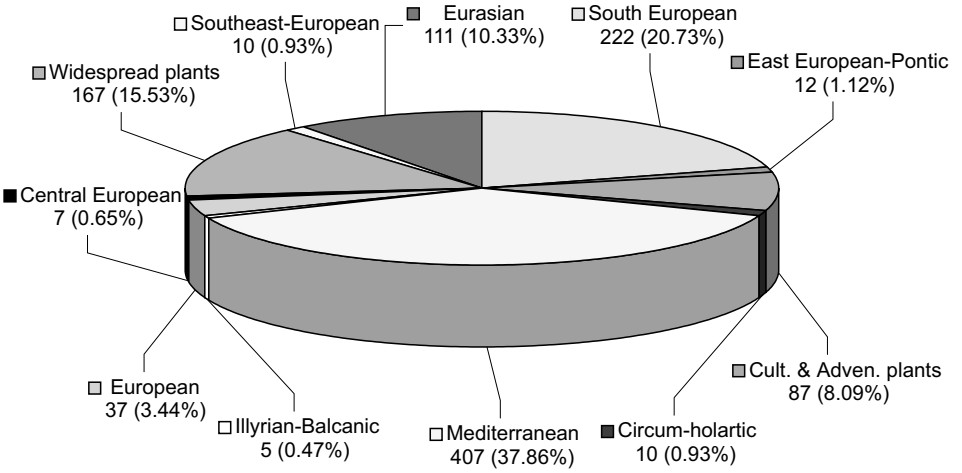

Fig. 3. Area spectrum of the flora of Šibenik and its surroundings

DISCUSSION AND CONCLUSION

The flora of vascular plants of the area of Šibenik and surroundings researched includes 1075 species and subspecies divided into 461 genera and 102 families (Tab. 1).

The total number of plant taxa is not very different from those registered in some other areas of the Croatian littoral. For example: 1483 plant taxa were registered for the wider area of Senj (HORVATIĆ *et al.*, 1967/1968), for the island of Hvar 1095 (TRINAJSTIĆ, 1993), for the island group of Korčula 917 (TRINAJSTIĆ, 1985), for the area of the Krka National Park 860 (MARKOVIĆ *et al.*, 1993), for the surroundings of Dubrovnik with Srđ and Dubrovačka rijeka 741 (BIRAČ, 1971), for the island of Mljet 716 (REGULA-BEVILAQUA & ILIJANIĆ, 1984; TRINAJSTIĆ, 1985), for Dugi Otok 629 plant taxa (TRINAJSTIĆ, 1991) and so on.

The great richness of the flora of the Šibenik area is due to its phytogeographical location at the line of contact between the Mediterranean and sub-Mediterranean vegetation zones and to the variety of habitats, especially anthropogenic, since the region has been populated for a long time and because of intensive direct and indirect human impact on its vegetation.

The *Compositae* family with 139 taxa (*Asteroideae* 90, *Cichorioideae* 49) are prominent with the greatest number of plant taxa, and then *Gramineae* and *Leguminosae* both with 115 (Tab. 2).

The preponderant share taken by these three families, within mostly anthropochorous plant species, indicates the intensive human influence on the flora and vegetation in the area of Šibenik as well as the domination of secondary types of habitats.

Among the 1075 plant taxa found during this research, 676 (62.88%) were stated for the first time for the area of investigation, and 399 (37.12%) had been previously

noted. In the total of 492 previously noted plant taxa (Tab. 3) the findings of 93 (18.90%) were not confirmed in this research.

The greatest number of previously registered taxa comes from Visiani (411), and the findings for 327 of them were confirmed (Tab. 3).

In the spectrum of life forms (Fig. 2) Therophyta are dominant with 460 taxa (42.79%) and among them, Hemicryptophyta with 326 taxa (30.33%). In Tab. 5 the spectrum of life forms for Šibenik and its surroundings is compared with the spectrum of the Mediterranean (HORVATIĆ, 1949), Mt Mosor (VLADOVIĆ, 1994), the island of Mljet (REGULA-BEVILAQUA & ILIJANIĆ, 1984) and the island of Zlarin (PANDŽA, 1998).

Tab. 5. Comparative survey of the spectrum of life forms for Šibenik and surroundings and the spectra of life forms of the Mediterranean, Mosor, Mljet and Zlarin

Life form	**Mediterranean**	Mosor	Mljet	Zlarin	**Šibenik and surroundings**
Phanerophyta	**12%**	14.92%	11.92%	11.95%	**95 (8.84%)**
Geophyta	**11%**	11.76%	10.59%	6.12%	**113 (10.51%)**
Chamaephyta	**6%**	9.28%	11.26%	9.33%	**70 (6.51%)**
Therophyta	**42%**	28.43%	45.53%	46.65%	**460 (42.79%)**
Hemicryptophyta	**29%**	35.14%	19.87%	25.95%	**326 (30.33%)**
Hydrophyta	**–**	0.47%	–	–	**11 (1.02%)**
Total	**100%**	**100%**	**100%**	**100%**	**1075 (100%)**

It is obvious that the spectrum of the Mediterranean coincides with the spectrum of the life forms of Šibenik and surroundings. There is an exception in the somewhat lesser presence of Phanerophyta (Šibenik area 8.84% as compared with the expected 12%, as present in the Mediterranean).

The differences with the spectra of Mljet, Zlarin and Mosor are the result of the differences in phytogeographical location of the stated areas: Mljet (South Adriatic) and Zlarin (Central Adriatic) belong to the Mediterranean proper vegetation region of Croatia, while the area of Šibenik also comes with a large part of it into the sub-Mediterranean zone, while Mt Mosor (Central Croatian littoral) almost entirely belongs in the sub-Mediterranean zone with its higher altitudes and colder and more humid climate. For this reason the presence of Therophyta (28.43%) is the least in the flora of Mosor, as compared the flora of the Šibenik area (42.79%), the island of Mljet (45.53%) and the island of Zlarin (46.65%). Hemicryptophyta (35.14%) is the dominant type of life form in the flora of Mosor mountain.

In the area spectrum of Šibenik and the surroundings (Tab. 4, Fig. 3) there is the greatest proportion of plants of the Mediterranean floral element (37.86%), after which come plants of the South European floral element (20.65%) and widespread plants (15.53%). Within the Mediterranean floral element, Circum-Mediterranean plants are dominant.

In the Tab. 6 the area spectrum of the flora of the Šibenik area is compared with the area spectra of the flora of the surroundings of Senj (HORVATIĆ *et al.*, 1967/68) and of the flora of the island of Mljet (REGULA-BEVILAQUA & ILIJANIĆ, 1984).

Tab. 6. Comparative survey of floral elements in the flora of Šibenik and surroundings, the surroundings of Senj and the island of Mljet

Floral element	Šibenik and surroundings	Surroundings of Senj	Island of Mljet
MEDITERRANEAN	407 (37.86%)	265 (17.87%)	314 (51.99%)
ILLYRIAN-BALKANIC	5 (0.47%)	57 (3.84%)	1 (0.16%)
LIBURN.-MOUNT. END.	–	5 (0.34%)	–
SOUTH EUROPEAN	222 (20.73%)	333 (22.45%)	119 (19.70%)
ATLANTIC	–	2 (0.13%)	–
EAST EUROPEAN-PONT.	12 (1.12%)	40 (2.70%)	1 (1.16%)
SOUTHEAST EUROPEAN	10 (0.93%)	7 (0.47%)	5 (0.84%)
CENTRAL EUROPEAN	7 (0.65%)	56 (3.78%)	3 (0.50%)
EUROPEAN	37 (3.44%)	82 (5.53%)	20 (3.31%)
EURASIAN	111 (10.33%)	261 (17.60%)	38 (6.29%)
CIRCUM-HOLARCTIC	10 (0.93%)	42 (2.83%)	1 (0.16%)
WIDESPREAD PLANTS	167 (15.53%)	212 (14.30%)	91 (15.07%)
CULTURAL & ADVEN.	87 (8.09%)	121 (8.16%)	11 (1.82%)
T O T A L	1075 (100%)	1483 (100%)	604 (100%)

The greatest differences are in the presence of the plants of the Mediterranean floral element, the result of the differences in the phytogeographical location of the stated areas. The island of Mljet (South Adriatic) entirely belongs to Mediterranean proper zone of the Mediterranean region of Croatia, and thus the Mediterranean floral element is more present in its flora (51.99%) than in the flora of the researched area of Šibenik (37.86%), because it occupies both the Mediterranean proper and the sub-Mediterranean zones. The border position of Senj and its surroundings (North Croatian littoral) between the Mediterranean on the one and Euro Siberian-North American vegetation region on the other hand (HORVATIĆ *et al.*, 1967/68:320) has as a result the greatest share of the plants of the South European floral element (22.45%) and the least share of plants of the Mediterranean floral element (17.87%), as compared with those in the flora of the Šibenik area (37.86%) and of the island of Mljet (51.99%).

In the flora of researched area of Šibenik, plants of specific importance are the endemic plants of the Illyrian regions of Balkan Peninsula (50 taxa): Illyrian-Adriatic endemic plants with 32, Illyrian-Apennine plants with 14 and Illyrian-Balkanic endemic plants with 4 taxa. It is important to point out the presence of Illyrian-Adriatic endemic plants like: *Chaerophyllum coloratum*, *Euphorbia characias* subsp. *wulfenii*, *Pseudofumaria alba subsp. acaulis*, *Seseli tomentosum*, *Haplophyllum patavinum*,

Knautia adriatica, *Vincetoxicum hirundinaria* subsp. *adriaticum*, *Viola adriatica*, *Campanula pyramidalis*, *Tanacetum cinerarifolium*, *Crepis chondrilloides*, *Iris adriatica*, *I. illyrica*, *Hymantoglossum adriaticum* and *Scilla litardierei.*

The domination of Therophyta (42.79%) and plants of the Mediterranean floral element (37.86%), where the most distinguished is the group of Illyrian-Adriatic endemic plants, tells that the Šibenik area belongs in plant geography terms to the East Adriatic sector of the Adriatic province of the Mediterranean region.

Within the group of cultural and adventitious plants (8.09%) there are numerous neophytic species, and especially interesting are the ones have come in the area of Šibenik recently: *Chenopodium ambrosioides*, *Diplotaxis erucoides*, *Euphorbia nutans*, *E. prostrata*, *Datura inoxia*, *Solanum elaeagnifolium*, *Artemisia verlotiorum*, *Aster squamatus*, *Bidens subalternans*, *Galinsoga parviflora*, *Helianthus tuberosus*, *Tagetes minuta*, *Paspalum dilatatum*, *Paspalum paspalodes*, *Panicum dichotomiflorum* and *Eleusine indica* (PAVLETIĆ, 1987; ILIJANIĆ *et al.*, 1990; TRINAJSTIĆ, 1993; PANDŽA & STANČIĆ, 1999; MILOVIĆ & RANDIĆ, 2001; MILOVIĆ, 2001).

The significant presence of widespread plants (15.53%) and cultivated and adventitious plants (8.09%) as well as the great share of plants from the *Compositae* (12.93%) and *Gramineae* (10.70%) families reveal the long-lasting and strong anthropogenic influence on the flora and vegetation of Šibenik and its surroundings.

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SAŽETAK

Flora Šibenika i okolice

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U razdoblju od 1996. do 2001. istraživana je flora papratnjača i sjemenjača Šibenika i okolice. Pronađeno je ukupno 1075 vrsta i podvrsta, od kojih se 676 navodi prvi put u ovom radu. Od ukupno 492 prethodno zabilježene svojte potvrđen je nalaz za 399 a za 93 svojte ovim istraživanjem nalaz nije potvrđen.

Dominacija terofita (42,79%) i biljaka mediteranskog flornog elementa (37,86%) te značajna zastupljenost vrsta iz porodice *Leguminosae* (10,74%) ukazuje na mediteranski karakter flore Šibenika i okolice.

Zabilježeno je ukupno 50 vrsta i podvrsta endemičnih za ilirske krajeve Balkanskog poluotoka među kojima je najzastupljenija i najznačajnija grupa ilirsko-jadranskih endemičnih biljaka (32 svojte).

Značajna zastupljenost biljaka široke rasprostranjenosti (15,53%), kultiviranih i adventivnih biljaka (8,09%) te porodica *Compositae* (12,93%) i *Gramineae* (10,70%) s pretežno antropokornim vrstama ukazuje na dugotrajan i intenzivan utjecaj čovjeka na sastav flore i vegetacije šibenskog područja.

Usporedna analiza spektra životnih oblika i spektra flornih elemenata Šibenika i okolice sa spektrima drugih područja jadranskog primorja pokazuje određene razlike koje su rezultat različitog geografskog smještaja i biljnogeografske pripadnosti tih područja.