



Index florae Bosnae et Hercegovinae (Part 3)

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Review article

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INTRODUCTION

In this part of the Index we present details of the labiate family (Lamiaceae or Labiatae), which falls within the group of cormophytes with very high levels of diversity in Bosnia and Herzegovina, a feature also associated with the two great families of Fabaceae and Brassicaceae, presented in the two parts of the Index already published in this journal.

A list of species in the family Lamiaceae represented in the flora of Bosnia and Herzegovina was drawn up by Dr. Čedomil Šilić (1937-2010), who was very familiar with the family. His doctoral dissertation dealt with a number of genera in the family Lamiaceae and was published as a monograph, with the title "*Monografija rodova Satureja L., Calamintha Miller, Micromeria Benth, Acinos Miller i Clinopodium L. u flori Jugoslavije*". This work remains unsurpassed in the botanical sciences in ex Yugoslavia.

Dr. Šilić was employed for many years at the National Museum of Bosnia and Herzegovina. Among botanists and beyond, he is known as the author of several books and photomonographs in the series "Priroda Jugoslavije" and "Priroda Bosne i Hercegovine". He also designed several exhibitions, the best known of which is the National Museum's permanent exhibit "Forests of Bosnia and Herzegovina". The list of about 280 works published by Dr. Čedomil Šilić reveals that they fall into several categories: scientific, scholarly, popular science and more.

Part 3 of the Index, like the previous two, provides the following details for each taxon:

- botanical name of the genus, authority, and common name(s) in the local language and English
- botanical name of the species, authority, and first publication
- botanical name of subspecies, authority, and first publication
- synonyms, where applicable
- the nomenclature to follow that of *Flora Europaea* (Tutin *et al.* 1964-1980)
- conservation status to be indicated using the 1983 IUCN classifications and the Red List for Bosnia and Herzegovina (*Pteridophyta* and *Spermatophyta*) (Šilić, 1996)
- within the family, the genera listed alphabetically, and similarly the species within each genus

According to Dr. Šilić, the family Lamiaceae in Bosnia and Herzegovina has 30 genera, 124 species, 58 subspecies and 8 hybrids. We are aware that the list was compiled some time ago, and that it may require modification in some areas to conform with new findings in systematics and taxonomy, as well as in the IUCN conservation status categories, which have been amended since 1994. Despite this, we have resolved to publish the list in its original form following the death of Dr. Šilić, out of respect for his extensive knowledge and the effort he put into his contribution to the Index Florae Bosnae et Hercegovinae.

CITATION

Šilić Č. 2016. Lamiaceae. *Index florae Bosnae et Hercegovinae* in Šoljan, D. (ed.)

LAMIACEAE Lindley 1836

(= LABIATAE B. JUSS. IN HORT. TRIANON. 1759)

ACINOS Miller – calamint

alpinus (L.) Moench. Meth.: 407 (1794) (= *Calamintha alpina* (L.) Lam., *C. alpina* (L.) Lam. subsp. *eu-alpina* Hayek, *Satureja alpina* (L.) Scheele)

subsp. **alpinus**

subsp. **dinaricus Šilić**, Monografija Satureja, Calamintha... , special publication by the National Museum of BiH in Sarajevo: 274 (1979) (= *Calamintha alpina* (L.) Lam. subsp. *eu-alpina* Hayek, pro parte, *C. alpina* (L.) Lam. subsp. *albanica* (Kümmerle & Jáv.) Greuter & Burdet) TYPUS: Bosnia: Ravna planina (Jahorina): in monte Hum, cca 1400 m s.m., leg. K. Malý) HOLOTYPUS: SARA ! ISOTYPUS: SARA !

arvensis (Lam.) Dandy, Jour. Ecol. 33: 326 (1946) (= *Calamintha arvensis* Lam., *C. acinos* (L.) Clairv., *Acinos vulgaris* Pers., *Satureja acinos* (L.) Scheele, *Clinopodium acinos* (L.) Kuntze O.)

subsp. **arvensis**

subsp. **villosus (Gaudin) Sojak**, Časopis Národního Muzea odd. Přírodovědný 140, 3/4: 129 (1972)

(= *Calamintha acinos* Clairv. var. *villosa* Gaudin, *Acinos villosus* Pers., *Satureja villosa* (Pers.) Dörfler & Ronniger, *Acinos arvensis* (Lam.) Dandy var. *villosus* (Pers.) Šilić)

hungaricus (Simonkai) Šilić, Monografija Satureja, Calamintha... , special publication by the National Museum in Sarajevo: 296 (1979) (= *Melissa* (seu *Calamintha*) *hungarica* Simonkai, *Satureja hungarica* (Simonkai) Hayek in Kerner, *Calamintha alpina* (L.) Lam. subsp. *hungarica* (Simonkai) Hayek, *Acinos alpinus* (L.) Moench subsp. *hungaricus* (Simonkai) Sojak, *A. alpinus* (L.) Moench. subsp. *majoranifolius* (Miller) P. W. Ball)

(V) **majoranifolius (Miller) Šilić**, Glasnik Zem. muzeja BiH, P. N. n. s. 13: 119 (1974) (=

Melissa majoranifolia Miller, *Acinos patavinus* (Jacq.) Pers., *Calamintha patavina* (Jacq.) Host, *Satureja patavina* (Jacq.) Scheele, *Calamintha montenegrina* Sagorski, *Calamintha alpina* (L.)

Lam. subsp. *majoranifolia* (Miller) Hayek, *Acinos montenegrinus* (Sagorski) Šilić, *A. alpinus* (L.)

Moench subsp. *patavinus* (Jacq.) Sojak, *Satureja majoranifolia* (Miller) K. Malý, *Acinos alpinus*

(L.) Moench subsp. *majoranifolius* (Miller) P. W. Ball)

(V) **orontius (K. Malý) Šilić**, Glasnik Zem. muzeja BiH, P. N., n. s. 13: 118 (1974) (= *Satureja*

(*Calamintha*) *orontia* K. Malý, *S. alpina* (L.) Scheele var. *orontia* K. Malý, in sched., *Calamintha alpina* (L.) Lam. var. *orontia* (K. Malý) Hayek)

AJUGA L. – bugle

chamaepitys (L.) Schreber, Pl. Vert. Unilab. 25 (1773) (= *Teucrium chamaepitys* L., *Chamaepytis trifida* Dumort.)

subsp. *chamaepytis*

genevensis L., Sp. Pl. 561 (1753) (= *Ajuga alpina* L., *Bugula genevensis* (L.) Scop.)

(R) *amidalis* L., Sp.Pl. 561 (1753)

reptans L., Sp. Pl. 561 (1753) (= *Bugula reptans* (L.) Scop.)

A. x hybrida A. Kerner (= *A. genevensis* L. x *A. reptans*)

BALLOTA L. – black horehound

nigra L., Sp. Pl. 582 (1753) (= *B. foetida* Lam. (nom. ileg.), *B. nigra* L. subsp. *ruderalis* (Swartz) Briq., *B. rueralis* Swartz)

subsp. *nigra*

subsp. *foetida* (Vis.) Hayek in Repert. Spec. Nov. Regni Veget. Beih. 30 (2): 278 (1929) (= *Balota nigra* L., var. *foetida* Vis., *B. alba* L.)

rupestris (Biv.) Vis., Fl. Dalm. 2: 216 (1847) (= *B. acuta* Briq.)

CALAMINTHA MILLER – calamint

glandulosa (Req.) Benth., Lab. Gen. Sp. 387 (1834) (= *Calamintha bysantiana* C. Koch, *C. officinalis* Moench, *C. officinalis* subsp. *glandulosa* (Req.) P. Fourn., *Melissa calamintha* L., *Satureja glandulosa* (Req.) Carnel., *Calamintha nepeta* (L.) Savi subsp. *glandulosa* (Req.) P. W. Ball.)

subsp. *glandulosa*

grandiflora (L.) Moench, Methodus Pl. 408 (1794) (= *Melissa grandiflora* L., *Satureja grandiflora* (L.) Scheele, *Clinopodium grandiflorum* O. Kuntze)

sylvatica Bromf., Phytologist 2: 49 (1845)

subsp. *sylvatica* (= *Calamintha menthifolia* Host, *Melissa intermedia* Baumg., *Satureja calamintha* (L.) Scheele subsp. *sylvatica*, *Satureja sylvatica* (Bromf.) K. Malý, *Calamintha officinalis* Moench)

(V) *Calamicromeria x hostii* (Caruel in Parl.) Šilić, Monografija Satureja, Calamintha ..., special publication by the National Museum in Sarajevo: 168 (1979) (= *Satureja hostii* Caruel in Parl., *S. bosniaca* K. Malý, *S. varbossania* K. Malý, (= *Calamintha sylvatica* Bromf. x *Micromeria thymifolia* (Scop.) Fritsch)

(V) *Calamicromeria x narentana* /K. Malý/ Šilić, Monografija Satureja, Calamintha ..., special publication by the National Museum in Sarajevo: 170 (1979) (= *Micromeria thymifolia* (Scop.) Fritsch x *Calamintha glandulosa* (Req.) Benth., *Satureja narentana* K. Malý) TYPUS: Dörfler: Herb. Normale, No 4931, Sched. Cent. 50: 302 HOLOTYPUS: SARA !

CLINOPODIUM L. – wild basil

vulgare L., Sp. Pl. 587 (1753) (= *Calamintha clinopodium* Benth., *C. vulgaris* /L./ Halácsy non Clairv, *Satureja clinopodium* /Spenner/ Caruel, *S. vulgaris* /L./ Fritsch, *S. vulgaris* /L./ Fritsch, *S. vulgaris* (L.) Fritsch subsp. *eu-clinopodium* Maire in Jahandiez & Maire) subsp. *arundanum* (Boiss.) Neyman, Consp. 587 (1881) (= *Calamintha arundanum* (Boiss.) Greuter & Burdet, *Melissa arundana* Boiss., *Satureja vulgaris* subsp. *arundana* (Boiss.) Greuter & Burdet, *S. vulgaris* subsp. *villosa* (De Noé) Maire)

subsp. *vulgare*

GALEOPSIS L. – hemp-nettle

angustifolia Ehrh ex Hoffm., Deutschl. Fl. ed. 2, 2: 8 (1804) (= *G. ladanum* L. subsp. *angustifolia* Gaudin, *G. ladanum* L. var. *angustifolium* Wallr., *G. ladanum* sensu Coste, non L.)

bifida Boenn., Prodr. Fl. Monast. 178 (1824) (= *G. tetrahit* L. subsp. *bifida* (Boenn.) Nyman)

ladanum L., Sp. Pl. 579 (1753) (= *G. intermedia* Vill., *Ladanum purpureum* Gilib., *Tetrahit ladanum* Moench)

pubescens Besser, Prim. Fl. Galic. 2: 27 (1809) (= *G. cannabina* Gmel. non Podllich, *G. tetrahit* L., var. *pubescens* (Besser) Benth.)

segetum Necker, Hist. Comment. Acad. Elect. Theod. – Palat. 2: 474 (1770) (= *G. dubia* Leers.)

speciosa Miller, Gard. Dict. ed. 8, no. 3 (1768) (= *G. versicolor* Curt. non Spenner, *G. speciosa* subsp. *sulfurea* (Jord.) Griq., *S. sulfurea* Jord., *G. grandiflora* Gilib.)

tetrahit L., Sp. Pl. 579 (1753) (= *G. tetrahit* L. subsp. *beckii* K. Malý)

GLECHOMA L. – ground-ivy

hederacea L., Sp. Pl. 578 (1753) (= *Nepeta glechoma* Benth., *Glechoma heterophyllum* Op.)

hirsuta Waldst. & Kit., Pl. Rar. Hung. 2: 124 (1802-1803) (= *G. hederacea* L. var. *hirsuta* Baumg., *G. hederacea* L. subsp. *hirsuta* /Waldst. & Kit./ Gams, *G. rigida* A. Kerner, *Nepeta rigida* Beck)

HYSSOPUS L. – hyssop

officinalis L., Sp. Pl. 569 (1753)

subsp. *aristatus* (Godron) Briq., Lab. Alp. Marit. 383 (1893) (= *H. aristatus* Gordon, *H. officinalis* subsp. *aristatus* (Gordon) Briq., *H. officinalis* L. var. *pilifer* Griseb. ex Pant.) (cult.) subsp. *officinalis* (= *H. angustifolius* M. Bieb., *H. decumbens* Jordan & Fourr., *H. officinalis* L. subsp. *angustifolius* (M. Bieb.) Archangeli)

LAMIASTRUM ZEISTER EX FABR. – yellow archangel

(= *Galeobdolon* Adenson)

galeobdolon (L.) Ehrend. & Polatschek, Österr. Bot. Zeitschr. 113: 108 (1966) (= *Galeopsis galeobdolon* L., *Galeobdolon luteum* Huds., *Lamium galeobdolon* (L.) L.)

subsp. *galeobdolon* (= *Galeobdolon vulgare* Pers., *Lamium galeobdolon* subsp. *vulgare* (Pers.) Hayek, *Lamium galeobdolon* var. *vulgare* (Pers.) Reichenb.)

subsp. *montanum* (Pers.) Ehrend. & Polatschek, Österr. Bot. Zeitschr. 113: 109 (1966) (= *Galeobdolon vulgare* var. *montanum* Pers., *Galeobdolon montanum* Reichenb., *G. luteum* Huds., *Lamium luteum* Krock., *L. galeobdolon* var. *montanum* Kablik, *L. Galeobdolon* subsp. *montanum* (Pers.) Hayek)

LAMIUM L. – dead-nettle**album** L., Sp. Pl. 579 (1753)**amplexicaule** L., Sp. Pl. 579 (1753)
subsp. **amplexicaule****bifidum** Cyr., Pl. Rar. Neap. 1: 22 (1788)
subsp. **balcanicum Velen.**, Sitz.-Ber. Böm. Ges. Wiss. (Math.-Nat. Kl.) 1893 (37): 54 (1893)**garganicum** L., Sp. Pl. ed. 2: 808 (1763)
subsp. **garganicum**
subsp. **laevigatum Arcang.** Comp. Fl. Ital. 555 (1882)**hybridum** Vill. Hist. Pl. Dauph 1: 251 (1786)**maculatum** L., Sp. Pl. ed. 2: 809 (1763) (= *L. foliosum* Crantz, *L. hirsutum* Lam., *L. rugosum* Ait., *L. mutabile* Dumort.)**orvala** L., Syst. Nat. ed. 10, 2: 1099 (1759) (= *L. pannonicum* Scop., *Orvala lamioides* Lam. & DC.)**purpureum** L., Sp. Pl. 579 (1753) (= *L. nudum* Crantz., *L. ocyimifolium* Sm. in Rees.)**LAVANDULA L. – lavender**(cult.) **angustifolia** Miller, Gard. Dict. ed. 8, no. 2 (1768)
(= *L. spica* L., nom. ambig., *L. officinalis* Chaix)
subsp. **angustifolia** (= *L. officinalis* Chaix, *L. vera* DC.)(cult.) **latifolia** Medicus, Bot. Beobacht. 1783: 135 (1784) (= *L. spica* auct. non L.)**LEONURUS L. – motherwort****cardiaca** L., Sp. Pl. 584 (1753) (= *Cardiaca vulgaris* Moench., *Leonurus illyricus* Hort. ex Benth.)**marrubiastrum** L., Sp. Pl. 584 (1753) (= *Chaiturus leonuroides* Willd., *Ch. marrubiastrum* Ehrh. ex Spenner)**LYCOPUS L. – gipsy-wort****europaeus** L., Sp. Pl. 21 (1753) (= *L. mollis* A. Kerner, *L. europaeus* L. subsp. *mollis* (A. Kerner) Skalický)**exaltatus** L. fil. Suppl. 87 (1781)**MARRUBIUM L. – hoarhound****incanum** Desr. in Lam., Encycl. Méth. Bot. 3: 716 (1792) (= *M. candidissimum* auct., non L.)**peregrinum** L., Sp. Pl. 582 (1753) (= *M. creticum* Miller)**vulgare** L., Sp. Pl. 583 (1753)**MELISSA L. – balm****officinalis** L., Sp. Pl. 592 (1753) (= *Thymus mellissae* Krause, *Melissa cordifolia* Pers.)
subsp. **altissima (Sibth. & Sm.) Arcangeli**, Comp. Fl. Ital. ed. 2: 427 (1894) (= *Melissa altissima* Sm., *M. romana* Miller)**MELITTIS L. – bastard-balm****melissophyllum** L., Sp. Pl. 597 (1753)
subsp. **albida (Guss.) P. W. Ball**, Bot. Jour. Linn. Soc. 64: 71 (1971) (= *M. albida* Guss.)
subsp. **carpatica (Klokov) P. W. Ball**, Bot. Journ. Linn. Soc. 64: 71 (1971) (= *M. carpatica* Klokov)
subsp. **melissophyllum****MENTHA L. – mint****aquatica** L., Sp. Pl. 576 (1753) (= *M. acuta* Strail, *M. capitata* Opiz, *M. hirsuta* Hudson, *M. Ortmanniana* Opiz, *M. riparia* Schreber in Schweiger & Koerte)**arvensis** L., Sp. Pl. 577 (1753) (= *M. arvensis* L. subsp. *agrestis* (Sole) Briq., *M. diversifolia* Dumort., *M. multiflora* Host., *M. palustris* Moench, non Mill., *M. praecox* Sole., *M. pulchella* Host., *M. tenuifolia* Host., *M. varians* Host)
subsp. **arvensis**
subsp. **austriaca (Jacq.) Briq.**, Lab. Alp. maritim. 88 (1891) (= *M. austriaca* Jacq.)**pulegium** L., Sp. Pl. 577 (1753) (= *M. excendens* Trautm., *M. excendens* subsp. *ilidzaiana* K. Malý, *M. excendens* subsp. *nahorevoensis* K. Malý & Trautm., *M. gibraltarica* Willd., *M. pulegium* L. subsp. *pulegioides* (Halácsy) Kokkini, *M. pulegium* L. subsp. *to mentosa* Sm., *Pulegium vulgare* Miller)**longifolia (L.) Hudson**, Fl. Angl. 221 (1762) (= *M. spicata* var. *longifolia* L. (basion.), *M. sylvestris* L., *M. viridescens* Borbás, *M. cordata* Pospichal, *M. grisella* Briq., *M. lavandulacea* Willd., *M. longifolia* subsp. *ambigua* (Guss.) Hayek, *M. reflexifolia* Opiz, *M. seriata* Kerner)
subsp. *longifolia***M. x gentilis** L., Sp. Pl. 577 (1753) (= *M. sativa* var. *gentilis* (L.) Reichenb.) (*M. arvensis* x *M. spicata*)(cult.) **M. x piperita** L., Sp. Pl. 576 (1753) (= *M. nigricans* Miller) (*M. aquatica* x *M. spicata*)**M. x verticillata** L., Syst. Nat. ed. 10, 2: 1099 (1759) (= *M. sativa* L.) (*M. aquatica* x *M. arvensis*)**MICROMERIA BENTHAM – micromeria****croatica (Pers.) Schott**, Österr. Bot. Zeitschr. 7: 93 (1857) (= *Thymus croaticus* Pers., *Calamintha croatica* (Pers.) Host, *Micromeria subcordata* Vis., *M. piperella* Vis., non Benth., *Satureja croatica* (Pers.) Briquet)**juliana (L.) Benth** ex Reichenb., Fl. Germ. Excurs. 311 (1831) (= *Satureja juliana* L.)(R) **kernerii** Murbeck, Lunds Univ. Arssk. 27 (5): 53-58 (1891) (= *Satureja kernerii* (Murbeck) Fritsch)(R) **parviflora (Vis.) Reichenb.**, Fl. Germ. Excurs. 859 (1832) (= *Satureja parviflora* Vis., *S. inodora* Host)(K) **pulegium (Rochel) Benth**, Labiat. Gen. & Spec.: 382 (1834) (= *Melissa pulegium* Rochel, *Satureja pulegium* (Rochel)

J. Wagner, *Calamintha pulegium* /Rochel/ Vis., *Zygis pulegium* (Rochel) Degen)

(R) **thymifolia (Scop.) Fritsch in Kerner A.**, Sched. Fl. Exsicc. Austro-Hung. 8: 119 (1899)

(= *Satureja thymifolia* Scop., *S. rupestris* Wulfen in Jacq., *Calamintha thymifolia* (Scop.) Reichenb., *C. rupestris* (Wulfen) Host, *Micromeria rupestris* (Wulfen) Benth. in DC., *Clinopodium rupestre* (Wulfen) Brand in Koch)

NEPETA L. – catmint

cataria L., Sp. Pl. 570 (1753) (= *N. laurentii* Scunien)

nuda L., Sp. Pl. 570 (1753)

subsp. **nuda** (= *N. nuda* L. subsp. *pannonica* (L.) Gams in Hegi, *N. nuda* L. subsp. *violacea* (L.) P. Fourn., *N. pannonica* L., *N. violacea* L.)

OCIMUM L. – basil

(cult.) **basilicum L.**, Sp. Pl. 597 (1753) (= *O. minimum* L., *O. basilicum* L. var. *glabratum* Benth., *O. basilicum* L. var. *majus* Benth.)

ORIGANUM L. – wild majoram

(cult.) **majorana L.**, Sp. Pl. 590 (1753) (= *Amaracus majorana* (L.) Schinz & Thell., *Majorana hortensis* Moench)

vulgare L., Sp. Pl. 590 (1753) (= *O. barcense* Simonkai, *O. creticum* L., *O. vulgare* L. subsp. *prismaticum* Arcangeli)

subsp. **hirtum (Link) Letswaart in Leiden**, Bot. Ser. 4: 112 (1980)

subsp. **viridulum (Martin-Donos) Nymann**, Consp. Fl. Eur. 592 (1881) (= *O. heracleoticum* L., *O. viride* (Boiss) Halácsy, *O. viridulum* Martin-Donos, *O. vulgare* L. subsp. *heracleoticum* (L.) Holmboe, *O. vulgare* L. subsp. *viride* (Boiss.) Hayek)

subsp. **vulgare**

PHLOMIS L. – Jerusalem sage

(?) **fruticosa L.**, Sp. Pl. 584 (1753)

PRUNELLA L. (BRUNELLA) – self-heal

grandiflora (L.) Scholler, Fl. Barb. 140 (1775) (= *P. vulgaris* L. var. *grandiflora* L.)

subsp. **grandiflora**

laciniata (L.) L., Sp. Pl. ed. 2: 837 (1763) (= *P. vulgaris* L. var. *laciniata* L., *P. pinnatifida* Pers., *P. laciniata* (L.) subsp. *subintegra* (F. Hamilton) Franco, *P. alba* Pallas ex Bieb.)

vulgaris L., Sp. Pl. 600 (1753) (= *P. surrecta* Dumort., *P. officinalis* Crantz)

laciniata (L.) L. x *P. vulgaris* L. (= *P. pinnatifida* Pers., *P. hybrida* Knaf., *P. intermedia* Stapf.)

grandiflora (L.) Scholler x *P. laciniata (L.) L.* (= *P. dissecta* Wender., *P. bicolor* G. Beck)

ROSMARINUS L. – rosemary

officinalis L., Sp. Pl. 23 (1753)

SALVIA L. – sage

amplexicaulis Lam., Tabl. Encycl. 1: 68 (1791) (= *S. villicaulis* Borbás, *S. nemorosa* subsp. *villicaulis* (Borbás) K. Malý)

(V) **bertolonii Visiani**, Fl. Dalmat. 2: 189 (1847) (= *S. pratensis* L. subsp. *bertolonii* (Vis.) Soó)

(V) **brachyodon Vandás** in Österr. Bot. Zeitschr. 39: 179 (1889)

glutinosa L., Sp. Pl. 26 (1753)

officinalis L., Sp. Pl. 23 (1753)

pratensis L., Sp. Pl. 25 (1753) (= *S. tenorei* Sprengel)

subsp. **pratensis**

(Vo) subsp. **varbossania (K. Malý) Šilić, st. nov.** (= *S. pratensis* L. var. *varbossania* (K. Malý), *S. pratensis* L. var. *albiflora* Form.)

scclarea L., Sp. Pl. 27 (1753) (= *S. lucana* Cavara & Grande)

(K ?) **sonclari Pant.** in Magyar Növényt. Lapok 5: 151 (1881)

(cult.) **splendens Sellow**

verbenaca L., Sp. Pl. 25 (1753) (= *S. clandestina* L., *S. horminoides* Pourret, *S. multifida* Sm., *S. verbenaca* L. subsp. *clandestina* (L.) Briq., *S. verbenaca* L. subsp. *multifida* (Sm.) Briq., *S. verbenaca* L. subsp. *ochroleuca* (Cosson) Maire)

verticillata L., Sp. Pl. 26 (1753)

subsp. **verticillata**

x **sylvestris L.**, Sp. Pl. 24 (1753) (= *S. nemorosa* L. x *S. pratensis*)

SATUREJA L. – savory

cuneifolia Ten., Fl. Nap. 1: Prodr.: 33 (1811) (= *S. montana* L. subsp. *cuneifolia* (Ten.) O. Bolóas & Vigo)

(V) **horvatii Šilić**, Glasnik Zem. Muzeja BiH, P. N. n. s. 13: 108 (1974) (= *S. parnassica* sensu Horvat, non Helder. & Sart.) TYPUS: Crna Gora: Orjen: Kabao-Subra, cca 1500-1600 m s. m., 2.VIII. 1940., leg. I. Horvat HOLOTYPUS: ZA ! ISOTYPUS: SARA ! LJU !

hortensis L., Sp. Pl. 568 (1753)

montana L., Sp. Pl. 568 (1753)

subsp. **montana** (= *S. montana* L. var. *communis* Vis., *S. montana* L. var. *typica* Pospichal)

subsp. **variegata (Host) P. W. Ball**, Bot. Jour. Linn. Soc. 65: 352 (1972) (= *S. variegata* Host., *S. montana* L. var. *variegata* (Host) Hayek, *S. montana* auct. plur., non L.)

subspicata Bartl. ex Vis., Stirp. Dalm. Spec. 11 (1826) (= *S. pygmaea* Sieber in Koch, *S. illyrica* Host., *Micromeria pygmaea* Reichenb., *S. montana* L. subsp. *illyrica* (Host) Nyman)

subsp. **subspicata**

subsp. **liburnica Šilić**, Glasnik Zem. Muzeja BiH, P. N., n. s. 110 (1974) TYPUS: Italy: "Ager

Tergestinus-Tergeste (Trieste), in saxosis prope pag. Basovizza, solo calcareo, 350 m s.m.; 10.X. 1907, leg. C. Marchesetti HOLOTYPUS: SARA ! ISOTYPUS: Fl. Italica Exsicc., ser- II, no. 1133

S. x carstiana Justin ex Teyber, Österr. Bot. Zeitschr. 60: 308 (1910) (= *S. montana* L. x *S. subspicata* Bartl. ex Vis.)

SCUTELLARIA L. – skull-cap

(V) **alpina** L., Sp. Pl. 599 (1753)
subsp. **alpina**

altissima L., Sp. Pl. 600 (1753) (= *Scutellaria commutata* Guss., *S. peregrina* Waldst. & Kit. non Kit.)

columnae All., Fl. Pedem. 1: 40 (1758)
subsp. **columnae**

galericulata L., Sp. Pl. 599 (1753) (= *S. pauciflora* Pant.)

hastifolia L., Sp. Pl. 599 (1753)

orientalis L., Sp. Pl. 599 (1753)
subsp. **pinnatifida** Benth in DC, Prodr. 12: 413 (1848) (= *Scutellaria hercegovinica* Formanek)

SIDERITIS L. – ironwort

montana L., Sp. Pl. 575 (1753)
subsp. **montana**

romana L., Sp. Pl. 575 (1753)
subsp. **romana**
subsp. **purpurea** (Talbot ex Benth) Heywood, Bot. Jour. Linn. Soc. 65: 355 (1972) (= *Sideritis purpurea* Talbot ex Benth, *S. romana* L. var. *purpurea* (Talbot ex Benth) Bald.)

STACHYS L. – woundwort

alopecuros (L.) Benth, Lab. Gen. Sp. 531 (1834) (= *Betonica alopecuros* L., *B. jacquinii* Godron, *Stachys alopecuros* subsp. *jacquinii* (Godron) Wollmann, *S. jacquinii* (Godron) Fritsch, *S. javorkae* Pénses)

alpina L., Sp. Pl. 581 (1753)
subsp. **alpina**
subsp. **dinarica** Murbeck, Acta Univ. Lund. 27 (5): 61 (1891)

(R) **anisochila** Vis. & Pančić, Mem. Ist. Veneto 15: 13 (1870) (= *S. recta* L. subsp. *anisochila* (Vis. & Pančić) Stoj. & Stefanov, *S. sendtneri* G. Beck)

annua (L.) L., Sp. Pl. ed. 2: 813 (1763) (= *Betonica annua* L., *Stachys pubescens* Ten.)
subsp. **annua**

arvensis (L.) L., Sp. Pl. ed. 2, 814 (1753) (= *Glechoma arvensis* L.)
(R) **beckiana** Dörfler & Hayek, Denkschr. Akad. Wiss. Math.-Nat. Kl. (Wien) 94: 186 (1918)
(= *Stachys hayekii* K. Malý, *S. recta* L. subsp. *hayekii* (K. Malý) Bjelčić, *S. recta* subsp. *sarajevensis* K. Malý)

(cult.) **byzantina** K. Koch in Linnaea 21: 686 (1849) (= *S. lanata* Jacq., non Crantz, *S. olympica* auct., vix Poiret)
cretica L., Sp. Pl. 581 (1753)

subsp. **salviifolia** (Ten.) Rech. fil., Ann. Naturhist. Mus. Wien 48: 170 (1937) (= *Stachys salviifolia* Ten., *S. italica* Benth.)

germanica L., Sp. Pl. 581 (1753) (= *Eriostomum germanicum* (L.) Hoffmanns. & Link.)

subsp. **germanica** (= *S. germanica* L. var. *typica* Posp., *S. germanica* L. var. *genuina* Fiori & Paol.)

subsp. **velezensis** (Sagorski) Hayek, Repert. Spec. Nov. Regni Veg. Beih. 30 (2): 286 (1929)

menthifolia Vis. in Flora (Regensburg) 12. Ergänzungsbl. 1: 14 (1829) (= *S. grandiflora* Host.)

(?) **obliqua** Waldst. & Kit., Plant. Rar. Hung. 2: 142 (1804)

officinalis (L.) Trevisan, Prosp. Fl. Euganea: 26 (1842) (= *S. betonica* Benth, *Betonica officinalis* L.)

subsp. **officinalis**
subsp. **serotina** (Host) Hayek, Repert. Spec. Nov. Regnum Veg. Beih. 30 (2): 282 (1929) (= *Betonica serotina* Host, *Betonica officinalis* L., subsp. *serotina* (Host) Murbeck)

palustris L., Sp. Pl. 580 (1753) (= *Stachys segetum* Hagan)

recta L., Mantissa 82 (1762) (= *Stachys recta* L. subsp. *sarajevensis* (K. Malý) Hayek, *S. stenophylla* Sprengel)

subsp. **baldacci** (K. Malý) Hayek, Akad. Wiss. Wien, Math.-Naturwiss. Kl. Denkschr. 99: 183 (1924) (= *S. subcrenata* f. *baldacci* K. Malý)

subsp. **labiosa** (Bertol) Briq., Lab. Alp. Marit. 259 (1893) (= *S. grandiflora* (Caruel) Arcangeli, *S. recta* L. subsp. *hirta* (Ten.) Briq., *S. recta* L. subsp. *labiosa* (Bertol.) Briq.)

subsp. **recta** (= *S. recta* L. subsp. *recta* Briq., pro parte, *S. recta* L. subsp. *eu-recta* K. Malý)

scardica (Griseb.) Hayek, Prodr. Fl. Penins. Balcan. 2: 280 (1929) (= *Betonica scardica* Griseb.)

serbica Pančić, Fl. Princ. Serb. 564 (1874)

subcrenata (Vis.) Briq., Lab. Alpes Marit.: 257 (1893) (= *S. subcrenata* Vis., *S. karstiana* (Borbás) Hand.-Mazz., *S. fragilis* Vis., *S. montenegrina* K. Malý, *S. omblae* H. Lindb, *S. petrogena* Hand.-Mazz. & Janchen, *S. ramosissima* Rochel, non Benth)

sylvatica L., Sp. Pl. 580 (1753) (= *S. cordata* Gilib., *S. trapezuntea* Boiss.)

thyrskei C. Koch, Linnaea 21: 685 (1849)

TEUCRIUM L. – germander

(R o) **arduini** L., Mantissa: 81 (1767)

botrys L., Sp. Pl. 562 (1753)

chamaedrys L., Sp. Pl. 565 (1753)
subsp. **chamaedrys** (= *T. chamaedrys* L. subsp. *illyricum* (Borbás & Bornm.) Degen)

flavum L., Sp. Pl. 565 (1753) (= *T. flavum* L. subsp. *pilosum* (Čelak.) Rech. fil. (comb. inval.)

subsp. **flavum**
subsp. **glaucum** (Jord. & Fourr.) Ronniger, Verh. Zool. Bot. Ges. Wien 68: 234 (1918)

montanum L., Sp. Pl. 565 (1753) (= *T. supinum* L., *T. skorpii* Velen., *T. pannonicum* A. Kerner, *T. jilae* Juz.)

polium L., Sp. Pl. 566 (1753)

subsp. **aureum** (Schreber) Arcangeli, Comp. Fl. It. 559 (1882) (= *T. aureum* Schreber)

subsp. **capitatum** (L.) Arcangeli, Comp. Fl. It. 559 (1882) (= *Polium album* Miller, *T. helion* Schreb.)

subsp. **vincentinum** (Rouy.) D. Wood., Bot. J. Linn. Soc. 65: 261 (1972) (= *T. vincentinum* Rouy)

scordium L., Sp. Pl. 565 (1753) (= *T. scordium* L. subsp. *palustre* Gams in Hegi, nom. inval.)

subsp. **scordium** (= *T. scordium* L. subsp. *palustre* P. Fourn.)

subsp. **scordioides** (Schreber) Maire & Petitmengin, Bull. Soc. Sci. Nancy Ser. 3, 9: 411 (1908)
(= *T. scordioides* Schreber, *T. petkovii* Uerum.)

scordonia L. Sp. Pl. 564 (1753)

subsp. **scordonia**

THYMUS L. – thyme

(R) **alpestre** Tausch ex A. Kerner, Shed. Fl. Exsicc. Austro-Hung. 1: 56 (1881) (= *Th. serpyllum* subsp. *alpestris* (Tausch ex A. Kerner) Lyka)

(R) **bracteosus** Vis. ex Bentham, Lab. Gen. Sp. 346 (1834)

longicaulis C. Presl, Fl. Sicala 37 (1826) (= *Th. areophilus* H. Braun, *Th. breviculix* Strobl, *Th. illyricus* Ronniger, *Th. kosaninii* Ronniger, *Th. lykae* Degen & Jáv., *Th. malyi* Ronniger, *Th. moesiacus* Velenovsky, *Th. oblongifolius* subsp. *kummerianus* Degen, *Th. rohlena* Velenovsky, *Th. serpyllum* subsp. *dalmaticus* (Reichenb.) Nyman)

subsp. **jankae** (Čelak.) Jalas in Willdenowia 15: 423 (1986) (= *Th. bellicus* Velenovsky, *Th. eximus* Ronniger, *Th. jankae* Čelak, *Th. jugoslavicus* K. Malý, *Th. praecox* subsp. *skorpii* (Velen.) Jalas, *Th. skorpii* Velen.)

subsp. **longicaulis**

subsp. **polytrichus** (Borbás) Jalas in Veróff. Geobot. Inst. ETH Stiftung Rübel Zürich 43: 189

(1970) (= *Th. alpigenus* (H. Braun) Ronniger, *Th. balcanus* Borbás, *Th. kapelae* (Borbás) Dalla

Torre & Sarnt., *Th. kernerii* Borbás, *Th. polytrichus* (Borbás) Bei., *Th. reineggeri* Opiz, *T.*

serpyllum subsp. *polytrichus* (Borbás) *Th. trachselianus* Opiz., *Th. vandásii* Velenovsky)

praecox Opiz, Naturalientausch 6: 40 (1824) (= *Th. serpyllum* subsp. *hesperites* Lyka in Jávorka, *Th. serpyllum* subsp. *praecox* (Opiz) Vollmann)

subsp. **praecox**

pulegioides L., Sp. Pl. 592 (1753) (= *Th. glabratus* Hoffmanns. & Link, *Th. lanuginosus* Miller, *Th. serpyllum* subsp. *lanuginosus* (Miller) Briq., *Th. serpyllum* subsp. *ligusticus* (Briq.) Coutinho subsp. *pulegioides*)

(V) **richardii** Pers., Syn. Pl. 2: 130 (1806) (= *Th. aureopunctatus* (G. Beck) K. Malý)

subsp. **richardii** (= *Th. aureopunctatus* (G. Beck) K. Malý)

striatus Vahl. Symb. Bot. 3: 78 (1794) (= *Th. acicularis* Waldst. & Kit., *Th. neapolitanus* Strobl, *Th. pseudoatticus* Ronniger, *Th. acicularis* Waldst. & Kit. var. *dinaricus* H. Braun in Murbeck, *Th. dinaricus* (H. Braun) Ronniger, *Th. striatus* Vahl. var. *acicularis* (Waldst. & Kit.) Borbás, *Th. striatus* Vahl. var. *orien* Ronniger)

(cult.) **vulgaris** L., Sp. Pl. 591 (1753)

subsp. **vulgaris**

ABBREVIATIONS AND SYMBOLS:

(V) - vulnerable species

(R) - rare species

K – insufficiently known

(cult.) - cultivar

□ - polymorph

(?)- dubious

(o)- endemic

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