

TAXONOMIC AND NOMENCLATURAL NOTES ON *CLINOPODIUM* L. AND *ZIZIPHORA* L. (*LAMIACEAE*)

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Nomenclatural combinations for three species: *Clinopodium marifolium* (Cav.) Melnikov, *C. canescens* (J. Presl) Melnikov, *C. yakusimense* (Masam.) Melnikov, and one variety *C. multicaule* (Maxim.) Kuntze var. *shibetchense* (H. Lév.) Melnikov are published. Replacement names for *C. repens* (Buch.-Ham. ex D. Don) Benth. and *Ziziphora alpina* (L.) Melnikov are given. The lectotypes of *Melissa alba* Waldst. et Kit. and *Calamintha heterotricha* Boiss. et Reut., as well as the lectotype and the epitype of *Nepeta marifolia* Cav. are designated.

Key words: new nomenclature combination, replacement name, lectotype, epitype.

Ongoing work on the revision of the genus *Clinopodium* L. made it necessary to publish some nomenclatural novelties.

1. Genus *Clinopodium* L.

In a previous publication (Melnikov, 2015), I published the replacement name *Clinopodium hispanicum* Melnikov for *C. fruticosum* (L.) Kuntze, nom. illeg. Now I treat this taxon as conspecific to a species originally published as *Nepeta marifolia* Cav. This requires a new combination in the genus *Clinopodium*.

Clinopodium marifolium (Cav.) Melnikov, comb. nova. ≡ *Nepeta marifolia* Cav. 1800, *Anales Ci. Nat.* 2: 192, tab. 22. ≡ *Micromeria marifolia* (Cav.) Benth. 1834, *Labiata. Gen. Spec.*: 382. ≡ *Melissa marifolia* (Cav.) Pers. 1806, *Syn. Pl.* 2: 132. ≡ *Thymus marifolius* (Cav.) Willd. 1809, *Enum. Pl.*: 624. ≡ *Calamintha marifolia* (Cav.) Steud. 1840, *Nomencl. Bot.*, ed. 2, 1: 251.

Described from Spain (Valencia): «Se cria con abundancia en los montes asperos de la Hoya de Castilla, en el Carrascál de Alcóy, en Mariola, Peñaglosa, Morella y otras partes».

Lectotype (Melnikov, designated here): [Icon:] Cavanilles, 1800: tab. 22. — Fig.

Epitype (Melnikov, designated here): «Fl. Hispanica: Valencia; Sierra de Espadan. 1500 m. VII [18]91. E. Reverchon (Dr. C. Bae-niz, Herbarium Europaeum, *Micromeria marifolia* Benth. s. n.)» (LE 01016338!). — Plate I.



A. J. Cavanilles del.

T. Lopez Engueta sc.

Fig. The lectotype of *Nepeta marifolia* Cav.: Tab. 22 in Cavanilles (1800). Image from the Biodiversity Heritage Library (www.biodiversitylibrary.org). Digitized by Missouri Botanical Garden, Peter H. Raven Library.

= *Melissa fruticosa* L. 1753, Sp. Pl.: 593. ≡ *Clinopodium fruticosum* (L.) Kuntze, 1891, Revis. Gen. Pl. 2: 516, nom. illeg., non Forssk. 1775, Fl. Aegypt.-Arab.: 107. ≡ *Satureja fruticosa* (L.) Briq. 1898, Annuaire Conserv. Jard. Bot. Genève, 2: 192. ≡ *Micromeria fruticosa* (L.) Druce, 1914, Bot. Exch. Club Soc. Brit. Isles, 3: 421. ≡ *Clinopodium serpyllifolium* (M. Bieb.) Kuntze subsp. *fruticosum* (L.) Bräuchler, 2006, Taxon, 55: 980. ≡ *C. hispanicum* Melnikov, 2015, Turczaninowia, 18(3): 109.

Among taxonomic synonyms of *Clinopodium thymifolium* (Scop.) Kuntze, I put *Melissa alba* Waldst. et Kit. (1811, Descr. Icon. Pl. Hung. 3: 227; ≡ *Calamintha officinalis* Moench var. *alba* (Waldst. et Kit.) Nyman, 1881, Consp. Fl. Eur.: 588) described from Croatia: «Habitat in rupibus calcareis provinciae Liccanae Croatiae ad Plocha, pone Divo-Szello, atque in subalpinis et in ipsis alpinis montium Velebich. Floret a medio Julio in Augustum».

Lectotype of *Melissa alba* (Melnikov, designated here): «D. 68. — ad Plocham, in alpinis et subalpinis Velebit» (BP, № 8087).

Stored in the Herbarium LE is an original specimen (LE 01016435!) collected by F. Waldstein in Hungary in 1806, determined by him as *Melissa alba*, and provided with the authors' label containing the description of the species.

I consider *Clinopodium raimondoi* Spadaro described from Sicily conspecific with *Calamintha canescens* J. Presl described from the same island. Thence, I am publishing a new nomenclatural combination in the genus *Clinopodium*.

Clinopodium canescens (J. Presl) Melnikov, comb. nova. ≡ *Calamintha canescens* J. Presl, 1826, Fl. Sicul.: 37. ≡ *Calamintha nepeta* (L.) Savi var. *canescens* (J. Presl) Nyman, 1881, Consp. Fl. Eur.: 588. ≡ *Calamintha glandulosa* (Req.) Benth. var. *canescens* (J. Presl) Šilic, 1979, Monogr. Satureja Fl. Jugosl.: 142.

= *Clinopodium raimondoi* Spadaro, A. S. Faqi et Mazzola, 2016, in Fl. Medit. 25 (Spec. Iss.): 311, syn. nov.

Clinopodium heterotrichum (Boiss. et Reut.) Govaerts, 1999, World Checkl. Seed Pl. 3(1): 17. ≡ *Calamintha heterotricha* Boiss. et Reut. 1852, Pugill. Pl. Afr. Bor. Hispan.: 93.

Described from Algeria: «Hab. in collibus propè Alger, Constantine, Bougie (Bové! et alii)».

Lectotype (Melnikov, designated here): «Alger et Bougie. Collines, XII 1839, Bové» (LE 01017615!; islectotype — G 00402201).

Syntypes: «[Algérie] Constantine. Collines, X 1838, Bové, N.» (G 00424763), «Alger et Bougie. Collines, XII 1839, Bové, N.» (G 00424764), «Constantine. Collines. X 1838, Bové» (LE 01017618!, LE 01017619!).

Clinopodium multicaule (Maxim.) Kuntze var. **shibetchense** (H. Lév.) Melnikov, comb. nova. ≡ *Calamintha umbrosa* (M. Bieb.) Rchb. var. *shibetchensis* H. Lév. 1911, Repert. Spec. Nov. Regni Veg. 9: 322. ≡ *Clinopodium chinense* Benth. var. *shibetchense* (H. Lév.) Koidz. 1929, Bot. Mag. (Tokyo), 43: 387. ≡ *Clinopodium umbrosum* (M. Bieb.) K. Koch var. *shibetchensis* (H. Lév.) McKean, 1982, Notes Roy. Bot. Gard. Edinburgh, 40: 161.

Clinopodium yakusimense (Masam.) Melnikov, comb. nova. ≡ *Satureja yakusimensis* Masam. 1930, J. Soc. Trop. Agric. 2: 35. ≡ *Clinopodium multicaule* (Maxim.) Kuntze var. *yakusimense* (Masam.) Yahara, 1987, J. Fac. Sci. Univ. Tokyo, Sect. 3, Bot. 14: 107.

Since the combination *Clinopodium repens* (Buch.-Ham. ex D. Don) Benth. is an illegitimate later homonym, I am giving it the replacement name *Clinopodium hamiltonii*.

Clinopodium hamiltonii Melnikov, nom. nov. ≡ *Thymus repens* Buch.-Ham. ex D. Don, 1825, Prodr. Fl. Nepal.: 113. ≡ *C. repens* (Buch.-Ham. ex D. Don) Benth. 1830, in N. Wallich, Pl. Asiat. Rar. 1: 66, nom. illeg., non Vell. 1829, Fl. Flumin.: 242.

2. Genus *Ziziphora* L.

When transferring the species of the genus *Acinos* to *Ziziphora* and publishing appropriate combinations (Melnikov, 2016), I missed an earlier homonym *Ziziphora alpina* Mill. (Miller, 1768) based on the other type than *Thymus alpinus* L. Now I am publishing the replacement name in the genus *Ziziphora* for this species.

Ziziphora alpicola Melnikov, nom. nov. ≡ *Thymus alpinus* L. 1753, Sp. Pl.: 591. ≡ *Acinos alpinus* (L.) Moench, 1794, Methodus: 407. ≡ *Ziziphora alpina* (L.) Melnikov, 2016, Bot. Zhurn. [St. Petersburg], 101(1): 89, nom. illeg., non *Z. alpina* Mill. 1768, Gard. Dict., ed. 8, 3: sine pag.

References

CAVANILLES A. J. 1800. Polvos vegetales contra la rabia, y descripcion de las plantas que los suministran (Polvos contra la rabia) // Anal. Hist. Nat. T. 2, № 4. P. 178–195.

- MELNIKOV D. G. 2015. New sections of the genus *Clinopodium* L. (*Lamiaceae*) and their synopsis // *Turczaninowia*. Т. 18, № 3. P. 103–112. [In Russian with English abstract] (МЕЛЬНИКОВ Д. Г. 2015. Новые секции рода *Clinopodium* L. (*Lamiaceae*) и их конспект // *Turczaninowia*. Т. 18, № 3. С. 103–112). doi: 10.14258/turczaninowia.18.3.6
- MELNIKOV D. G. 2016. On the taxonomic status of the genus *Acinos* (*Lamiaceae*) // *Bot. Zhurn.* Vol. 101, № 1. P. 80–94. [In Russian with English abstract] (МЕЛЬНИКОВ Д. Г. 2016. О таксономическом статусе рода *Acinos* (*Lamiaceae*) // *Ботан. журн.* Т. 101, № 1. С. 80–94).
- MILLER PH. 1768. *The gardeners dictionary: Containing the best and newest methods of cultivating and improving the kitchen, fruit, flower garden, and nursery...* Ed. 8. London. S. p.

СИСТЕМАТИЧЕСКИЕ И НОМЕНКЛАТУРНЫЕ ЗАМЕТКИ О РОДАХ *CLINOPODIUM* L. И *ZIZIPHORA* L. (*LAMIACEAE*)

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Продолжающаяся работа над ревизией рода *Clinopodium* L. потребовала публикации некоторых таксономических и номенклатурных дополнений. Приводятся новые номенклатурные комбинации для трех видов: *Clinopodium marifolium* (Cav.) Melnikov, *C. canescens* (J. Presl) Melnikov, *C. yakusimense* (Masam.) Melnikov — и одной разновидности *C. multicaule* (Maxim.) Kuntze var. *shibetchense* (H. Lév.) Melnikov. Для *C. repens* (Buch.-Ham. ex D. Don) Benth. и *Ziziphora alpina* (L.) Melnikov обнародованы заменяющие названия. Выбраны лектотипы названий *Melissa alba* Waldst. et Kit. и *Calamintha heterotricha* Boiss. et Reut., а также лектотип и эпитип *Nepeta marifolia* Cav.

Ключевые слова: новые номенклатурные комбинации, заменяющие названия, лектотип, эпитип.