

NEW NAMES AND NEW COMBINATIONS FOR THE CATALOGUE OF THE PLANTS AND LICHENS OF COLOMBIA

RODRIGO BERNAL*

Instituto de Ciencias Naturales
Universidad Nacional de Colombia
Bogotá, Colombia

S. ROBERT GRADSTEIN*

Muséum National d'Histoire Naturelle
Dept. Systématique et Evolution / Cryptogamie
57 rue Cuvier
75231 Paris, France

MARCELA CELIS*

Jardín Botánico de Bogotá José Celestino Mutis
Avenida Calle 63 No. 68-95,
Bogotá, Colombia

* Editors, Catalogue of the Plants and Lichens of Colombia

ABSTRACT

Sixty-seven new combinations, replacement names and changes of status are validated for Colombian plants and lichens in the families Parmeliaceae (Lichenes), Lophocoleaceae (Marchantiophyta), and Apocynaceae, Arecaceae, Asteraceae, Bromeliaceae, Brunelliaceae, Clusiaceae, Ericaceae, Fabaceae, Hypericaceae, Lamiaceae, Melastomataceae, Orchidaceae, Orobanchaceae, Oxalidaceae, Passifloraceae, Piperaceae, Rubiaceae, and Rutaceae (Angiosperms).

In the forthcoming Catalogue of the Plants and Lichens of Colombia (Catálogo de Plantas y Líquenes de Colombia) (Bernal et al., in press), 67 name changes are being proposed, including 59 new combinations, 10 replacement names, and 13 changes of status. Validations of name changes were originally planned to be included in an appendix to the printed version of the Catalogue, which was to be released simultaneously with the online version. However, as the printing process will take longer than anticipated, it was decided to publish the online version first, which prompts validating the new names separately. The new names are proposed here.

Note that the new combinations, replacement names, and changes of status proposed here should be attributed exclusively to the authors mentioned for each of them, not to the editors of the Catalogue.

LICHENES

PARMELIACEAE

Imshaugia angustior (Nyl.) Sipman, **comb. nov.** Basionym: *Parmelia angustior* Nyl., Ann. Sci. Nat., Bot., sér. 4, 11: 215 (1859).

MARCHANTIOPHYTA

LOPHOCOLEACEAE

Cryptolophocolea martiana var. **perissodonta** (Spruce) Gradst., **comb. nov.** Basionym: *Lophocolea martiana* var. *perissodonta* Spruce, Trans. & Proc. Bot. Soc. Edinburgh 15: 432, 1885.

ANGIOSPERMS**APOCYNACEAE**

Ibatia cumanensis (Willd. ex Schult.) Morillo, **comb. nov.** Basionym: *Apocynum cumanense* Willd. ex Schult., Syst. Veg. ed. 15 bis 6: 796. 1820.

Ibatia dugandii (Krings) Morillo, **comb. nov.** Basionym: *Matelea dugandii* Krings, Syst. Bot. 34(2): 430–433, figs. 1–3. 2009.

Ibatia fontana (Saville & Krings) Morillo, **comb. nov.** Basionym: *Matelea fontana* Saville & Krings, Syst. Bot. 32(4): 864–865; fig. 2. 2007.

Ibatia holstonii (Vail) Morillo, **comb. nov.** Basionym: *Stelmagonum holtonii* Vail, Bull. Torr. Bot. Club 26(8):424–25. 1899.

Ibatia rubra (H. Karst.) Morillo, **comb. nov.** Basionym: *Omphalophthalma rubra* H.Karst., Fl. Columb. (H. Karst.) 2: 119, t. 163. 1866.

Lachnostoma magdalenica (Morillo) Morillo, **comb. nov.** Basionym: *Matelea magdalenica* Morillo, Ernstia n.s., 2: 13. 1992.

Lachnostoma montana (Morillo) Morillo, **comb. nov.** Basionym: *Matelea montana* Morillo, Anales Jard. Bot. Madrid 47(2): 356. 1990.

Lachnostoma uribei (Morillo) Morillo, **comb. nov.** Basionym: *Matelea uribei* Morillo, Anales Jard. Bot. Madrid 47(2): 358. 1990.

Matelea holtonii (Vail) Morillo, **comb. nov.** Basionym: *Stelmagonum holtonii* Vail, Bull. Torrey Bot. Club 26: 424. 1899.

Metastelma angustifolium (Rusby) Morillo, **comb. nov.** Basionym: *Irmischia angustifolia* Rusby, Descr. S. Amer. Pl. 93. 1920.

Scyphostelma rugosa (Turcz.) Morillo, **comb. nov.** Basionym: *Metastelma rugosum* Turcz., Bull. Soc. Imp. Naturalistes Moscou 25(2): 314–315. 1852.

ARECACEAE

Geonoma interrupta subsp. **platybothros** (Burret) Galeano & R. Bernal, **comb. et stat. nov.** Basionym: *Geonoma platybothros* Burret, Notizbl. Bot. Gart. Berlin-Dahlem 11: 200. 1931.

Geonoma interrupta subsp. **ramosissima** (Burret) Galeano & R. Bernal, **comb. et stat. nov.** Basionym: *Geonoma ramosissima* Burret, Bot. Jahrb. Syst. 63: 249. 1930.

ASTERACEAE

Jungia gunnerifolia (S. Díaz) M. Diazgranados & F. Ávila, **comb. nov.** Basionym: *Tostimontia gunnerifolia* S. Díaz, Revista Acad. Colomb. Ci. Exact. 25(94): 9–10, f. 1–2. 2001.

BROMELIACEAE

Vriesea myriantha (Baker) Betancur, **comb. nov.** Basionym: *Tillandsia myriantha* Baker, J. Bot. 25: 242. 1887.

BRUNELLIACEAE

Brunellia susaconensis (Cuatrec.) C.I. Orozco, **comb. et stat. nov.** Basionym: *Brunellia propinqua* subsp. *susaconensis* Cuatrec., Fl. Neotrop. Monogr. 2 (Suppl.): 72–73, f. 21. 1985.

CLUSIACEAE

Clusia caryophylloides (Planch. & Triana) Hammel, **comb. nov.** Basionym: *Havetiopsis caryophylloides* Planch. & Triana, Ann. Sci. Nat., Bot., sér. 4, 14: 248. 1860.

Clusia nigrolineata P.F. Stevens, **nom. nov.** Basionym: *Decaphalangium peruvianum* Melchior, Notizbl. Bot.Gart. Berlin-Dahlem 10(99): 947, f. 16. 1930. Non *Clusia peruviana* Szyszyl., Diss. Cl. Mat.-Phys.Acad. Litt. Cracov 29: 225. 1894.

Clusia quadrata (Cuatrec.) Hammel, **comb. nov.** Basionym: *Pilosperma quadratum* Cuatrec., Revista Acad. Colomb. Ci. Exact. 8(29): 60. 1950.

Garcinia magnophylla (Cuatrec.) Hammel, **comb. et stat. nov.** Basionym: *Rheedia chocoensis* Cuatrec. var. *magnophylla* Cuatrec. Anales Inst. Biol. Univ. Nac. México 20: 107, 1949.

Garcinia pulvinata (Planch. & Triana) Hammel, **comb. nov.** Basionym: *Rheedia pulvinata* Planch. & Triana, Ann. Sci. Nat., Bot. (ser. 4) 14: 320. 1860.

ERICACEAE

Thibaudia haughtii (A.C. Sm.) Luteyn, **comb. nov.** Basionym: *Cavendishia haughtii* A.C.Sm., Contr. U. S. Natl. Herb. 29: 390. 1959.

Thibaudia insignis (A.C. Sm.) Luteyn & Pedraza, **comb. nov.** Basionym: *Calopteryx insignis* A.C.Sm., J. Arnold Arbor. 27(1): 100–103, f. 2. 1946.

FABACEAE

Lupinus oscarii R. Bernal, **nom. nov.** Basionym: *Lupinus guadalupensis* C.P. Sm., Species Lupinorum 41:706–707. 1951. Non *Lupinus guadalupensis* Greene, Bull. Calif. Acad. Sci. 1(4A): 184. 1886 [1885].

Although the taxonomic status of this taxon is still uncertain, a new name is required for it. Named after Oscar Haught, who collected the type specimen.

Schnella guianensis var. **SPLENDENS** (Kunth) R. Bernal & Celis, **comb. nov.** Basionym: *Bauhinia splendens* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 321. 1823. *Bauhinia guianensis* var. *splendens* (Kunth) Amshoff.

Schnella hymenaeifolia var. **stuebeliana** (Harms) R. Bernal & Celis, **comb. nov.** Basionym: *Bauhinia stuebeliana* Harms, Repert. Spec. Nov. Regni Veg. 19(4–7): 65. 1923. *Bauhinia hymenaeifolia* var. *stuebeliana* (Harms) Wunderlin.

HYPERICACEAE

Hypericum strictum subsp. **gracile** (Triana & Planch.) N. Robson, **comb. et stat. nov.** Basionym: *Hypericum struthiolifolium* var. *gracile* Triana & Planch., Ann. Sci. Nat., Bot. sér. 4, 18: 294. 1862

LAMIACEAE

Scutellaria ventenatii var. **trianae** (Planch. & Lindl.) Fern. Alonso, **comb. et stat. nov.** Basionym: *Scutellaria trianae* Planch. & Lindl., Cat. Général 10: 6. 1856.

MELASTOMATACEAE

Blakea droseropila Penneys, **nom. et stat. nov.** Basionym: *Blakea podagrica* ssp. *ciliata* Wurdack, Phytologia 6: 3.1957.

- Blakea pectinata** Penneys, **comb. et nom. nov.** Basionym: *Topobea andreana* Cogn., Bull. Acad. Roy. Sci. Belgique Ser. III, xiv. 974. 1887; et in DC. Monog. Phan. vii. 1085. 1891. Non *Blakea andreana* Cogn., Bull. Acad. Roy. Sci. Belgique, ser. 3, 14: 969. 1887.
- Chalybea calyptrata** (Penneys & Morales-P.) Penneys & Morales-P., **comb. nov.** Basionym: *Huilaea calyptrata* Penneys & Morales-P., Brittonia 62: 30. 2010.
- Chalybea ecuadorensis** (Wurdack) Morales-P. & Penneys, **comb. nov.** Basionym: *Huilaea ecuadorensis* Wurdack, Phytologia 69: 324. 1990.
- Chalybea kirkbridei** (Wurdack) Morales-P. & Penneys, **comb. nov.** Basionym: *Huilaea kirkbridei* Wurdack, Brittonia 28: 141. 1976.
- Chalybea macrocarpa** (Uribe) Morales-P. & Penneys, **comb. nov.** Basionym: *Huilaea macrocarpa* Uribe, Caldasia 9: 298. 1966.
- Chalybea minor** (Uribe) Morales-P. & Penneys, **comb. nov.** Basionym: *Huilaea macrocarpa* subsp. *minor* Uribe, Caldasia 12: 17. 1977; *Huilaea minor* (Uribe) Lozano-C. & Ruiz, Revista Acad. Colomb. Ci. Exact. 20: 240. 1996.
- Chalybea mutisiana** (Uribe) Morales-P. & Penneys, **comb. nov.** Basionym: *Huilaea mutisiana* Uribe, Caldasia 10: 295. 1969.
- Chalybea occidentalis** (Lozano-C. & N. Ruiz-R.) Morales-P. & Penneys, **comb. nov.** Basionym: *Huilaea occidentalis* Lozano-C. & Ruiz, Revista Acad. Colomb. Ci. Exact. 20: 238. 1996.
- Chalybea penduliflora** (Wurdack) Morales-P. & Penneys, **comb. nov.** Basionym: *Huilaea penduliflora* Wurdack, Brittonia 9: 106. 1957.
- Miconia cornuta** (Lozano & N. Ruiz-R.) Almeda & Alvear, **comb. nov.** Basionym: *Sagraea cornuta* Lozano & N. Ruiz-R., Mutisia 75: 3, fig.1. 1995.
- Miconia discoidea** (Lozano & N. Ruiz-R.) Almeda & Alvear, **comb. nov.** Basionym: *Sagraea discoidea* Lozano & N. Ruiz-R., Mutisia 75: 4, fig.2. 1995.
- Miconia munchicana** (Lozano & N. Ruiz-R.) Almeda & Alvear, **comb. nov.** Basionym: *Sagraea munchicana* Lozano & N. Ruiz-R., Mutisia 75: 4, fig.3. 1995.
- Monochaetum expansum** (Gleason) Alvear & Almeda, **comb. et stat. nov.** Basionym: *Monochaetum bonplandii* (Kunth) Naudin var. *expansum* Gleason, Amer. J. Bot. 16: 517. 1929.
- Triolena agrimonioides** (Triana) Almeda & Alvear, **comb. nov.** Basionym: *Diolena agrimonioides* Triana, Trans. Linn. Soc. London 28(1): 81. 1871.
- Triolena auriculata** (Triana) Almeda & Alvear, **comb. nov.** Basionym: *Diolena auriculata* Triana, Trans. Linn. Soc. London 28(1): 81. 1871.
- Triolena lanceolata** (Gleason) Almeda & Alvear, **comb. nov.** Basionym: *Diolena lanceolata* Gleason, Bull. Torrey Bot. Club 52: 374–375, f. 2. 1925.

Triolena paleacea (Triana) Almeda & Alvear, **comb. nov.** Basionym: *Diplarpea paleacea* Triana, Trans. Linn. Soc. London 28: 80. 1871.

Triolena purpurea (Gleason) Almeda & Alvear, **comb. nov.** Basionym: *Diolena purpurea* Gleason, Bull. Torrey Bot. Club 68: 246. 1941.

ORCHIDACEAE

Stelis roseopunctata (Lindl.) R. Bernal, **comb. nov.** Basionym: *Pleurothallis roseopunctata* Lindl., Orchid. Linden.: 2 (1846).

OROBANCHACEAE

Buchnera schultesii R. Bernal, **nom. nov.** Basionym: *Buchnera rubriflora* Philcox, J. Arnold Arbor. 59(3):298, 1978. Non *Buchnera rubriflora* P.A. Duvign. & Van Bockstal in G. Viennot-Bourgin, Rapp. Sol & Vég. 131, 1960.

Named after Richard Evans Schultes, who collected the type specimen.

OXALIDACEAE

Oxalis neurufescens R. Bernal, **nom. nov.** Basionym: *Oxalis rufescens* Turcz., Bull. Soc. Imp. Naturalistes Moscou 31(1): 429. 1858. Non *Oxalis rufescens* Willd. ex Zucc., Denkschr. Königl. Akad. Wiss. München 9: 162. 1825.

PASSIFLORACEAE

Passiflora lawessonii P. Jørg., **nom. nov.** Basionym: *Passiflora montana* Holm-Niels. & Lawesson, Ann. Missouri Bot. Gard. 74: 499, f. 2. 1987. Non *Passiflora montana* (Barb. Rodr.) Harms, Nat. Pflanzenfam. 3(6a): 256. 1897.

PIPERACEAE

Piper caballetense R. Bernal, **comb. et nom. nov.** Basionym: *Trianaeopiper santarosatum* Trel., Proc. Amer. Philos. Soc. 67: 336, t. 1928. Non *Piper santarosatum* C. DC., Bot. Gaz. 19(7): 258. 1894.

Named after the Caballete river, where the type specimen was collected.

Piper contraverrugosa (Cuatrec.) R. Bernal, **comb. nov.** Basionym: *Trianaeopiper contraverrugosa* Cuatrec., Revista Acad. Colomb. Ci. Exact. 7: 51, t. 1. 1946.

The specific epithet is the plant's common name used in apposition; because of this, it does not change gender.

Piper corei (Yunck.) R. Bernal, **comb. nov.** Basionym: *Ottonia corei* Yunck., Amer. J. Bot. 43: 166. 1956.

Piper cuatrecasasii (Trel. & Yunck.) R. Bernal, **comb. nov.** Basionym: *Trianaeopiper cuatrecasasii* Trel. & Yunck., Piperac. N. South Amer. 1: 424–425, f. 383. 1950.

Piper ellsworthii (Trel. & Yunck.) R. Bernal, **comb. nov.** Basionym: *Trianaeopiper ellsworthii* Trel. & Yunck., Piperac. N. South Amer. 1: 433–434, f. 393. 1950.

Piper inopinum R. Bernal, **comb. et nom. nov.** Basionym: *Artanthe auriculata* Miq., Linnaea 20: 167. 1847. *Piper auriculatum* (Miq.) C. DC., Prodr. 16(1): 372. 1869. Non *Piper auriculatum* Blume, Verh. Batav. Genootsch. Kunst. 11: 171. t. 8, 1826.

Piper josephii R. Bernal, **nom. nov.** Basionym: *Trianaeopiper silvaticum* Cuatrec., Revista Acad. Colomb. Ci. Exact. 7: 51. 1946. Non *Piper sylvaticum* Roxb., Fl. Ind. (Carey & Wallich ed.) 1: 158 (–159). 1820.

Named after José Cuatrecasas, who collected the type and described the species. The epithet is based in the old Spanish form of the name, Joseph.

RUBIACEAE

Psychotria pseudaxillaris (Wernham) Delprete, **comb. nov.** Basionym: *Cephaelis pseudaxillaris* Wernham, J. Bot. 55: 284. 1917.

RUTACEAE

Zanthoxylum schreberi (J.F. Gmel.) Reynel, **comb. nov.** Basionym: *Curtisia schreberi* J.F. Gmel., Syst. Nat. 2(1): 498. 1791.

Zanthoxylum fagara subsp. **culantrillo** (Kunth) Reynel, **comb. et stat. nov.** Basionym: *Zanthoxylum culantrillo* Kunth, Nov. Gen. Sp. (quarto ed.) 6: 2–3. 1823.

Zanthoxylum martinicense subsp. **amoyense** (Tul.) Reynel, **comb. et stat. nov.** Basionym: *Zanthoxylum amoyense* Tul., Ann. Sci. Nat., Bot., sér. 3, 7: 277. 1847.

Zanthoxylum riedelianum subsp. **hygrophilum** (Cuatrec.) Reynel, **comb. et stat. nov.** Basionym: *Fagara hygrophila* Cuatrec., Revista Acad. Colomb. Ci. Exact. 8: 301. 1951.

Zanthoxylum riedelianum subsp. **kellermanii** (P. Wilson) Reynel, **comb. et stat. nov.** Basionym: *Zanthoxylum kellermanii* P. Wilson, N. Amer. Fl. 25(3): 195. 1911.

Zanthoxylum acuminatum subsp. **juniperinum** (Poepp.) Reynel, **comb. et stat. nov.** Basionym: *Zanthoxylum juniperinum* Poepp., Nov. Gen. Sp. Pl. 3: 77. 1845.

LITERATURE CITED

Bernal, R., S.R. Gradstein and M. Celis. In press. Catálogo de Plantas y Líquenes de Colombia. Editorial Universidad Nacional de Colombia, Bogotá.