
New Names in *Plectranthus* (Lamiaceae) and Allied Genera from the Ethiopian Region

J. K. Morton

Department of Biology, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1

ABSTRACT. The following new combinations are made: *Plectranthus burorum* (Chiovenda) J. K. Morton based on *Coleus burorum* Chiovenda, *P. garckeianus* (Vatke) J. K. Morton based on *C. garckeianus* Vatke, *P. grandicalyx* (E. A. Bruce) J. K. Morton based on *C. grandicalyx* E. A. Bruce, *P. kapatensis* (R. E. Fries) J. K. Morton based on *C. kapatensis* R. E. Fries, *Isodon schimperi* (Vatke) J. K. Morton based on *P. schimperi* Vatke, *Solenostemon autrani* (Briquet) J. K. Morton based on *C. autrani* Briquet, and *S. porpeodon* (J. G. Baker) J. K. Morton based on *P. porpeodon* J. G. Baker. Also two new names are put forward, *P. puberulentus* J. K. Morton to replace *C. gracilis* Gürke and *P. pseudobarbatus* J. K. Morton to replace *C. vestitus* J. G. Baker.

The genus *Coleus* has been included in *Plectranthus* by most recent workers (e.g., Adams, 1972; Agnew, 1974; Codd, 1975; Brummitt, 1992) following the proposals of the present author (Morton, 1962). Also *Solenostemon* and *Isodon* are regarded as separate genera, distinct from *Plectranthus* (Morton, 1962; Codd, 1975; Li, 1988; Ryding, 1992, 1993). As part of a revision of the Ethiopian species in this group of genera, several new names and combinations are needed in order to bring the account into line with current generic concepts. The following changes are proposed.

Plectranthus burorum (Chiovenda) J. K. Morton, comb. nov. Basionym: *Coleus burorum* Chiovenda, Fl. Somalia 278. 1929. TYPE: Somalia. Boscaglia di Bur Budulca, Puccioni & Stefanini 287 (holotype, FT) [an excellent specimen with mature calyces and leaves].

Coleus cicatricosus J. Hutchinson & E. A. Bruce, Kew Bull. 1941: 180, 1941. TYPE: Somalia. Buramo at 4200 ft., Gillett 4880 (holotype, K; isotype, FT) [the holotype is an excellent specimen of 2 sheets with flowers, mature calyces, and leaves].

Plectranthus garckeianus (Vatke) J. K. Morton, comb. nov. Basionym: *Coleus garckeianus* Vatke, Linnaea 37: 323. 1872. TYPE: Ethiopia. Gonder region, Begember in the valley of the R. Repp and on mountains 7–8000 ft., Schimper 1193 (holotype, B destroyed; isotype, K) [the isotype is an excellent flowering specimen].

Plectranthus salviiflorus Chiovenda, Malpighia 34: 516, 1937. SYNTYPES: Ethiopia. Shoa region, Abeba Kollo, Taschdjian 124 (FT), Boyi near Kardobi, 2469 m, Taschdjian 188 (FT).

Plectranthus grandicalyx (E. A. Bruce) J. K. Morton, comb. nov. Basionym: *Coleus grandicalyx* E. A. Bruce, Hooker's Icon. Pl. series 5; 4, t. 3391, 1939. TYPE: Sudan. Imatong Mts., 2400 m, Thomas 1800 (holotype, K).

Plectranthus kapatensis (R. E. Fries) J. K. Morton, comb. nov. Basionym: *Coleus kapatensis* R. E. Fries, Wiss. Ergebnisse der schwedischen Rhodesia-Kongo Expedition 1911–12 unter Leitung von Eric Graf von Rosen, 1: 283, 1916. TYPE: Zambia. Bangweolo, Kapata Peninsula near Kamindas, Fries 871 (holotype, UPS; isotype, K).

Plectranthus pseudobarbatus J. K. Morton, nom. nov. Replaced name: *Coleus vestitus* J. G. Baker, Kew Bull. 1895: 224, 1895. Not *P. vestitus* Bentham, Labiatarum genera et species part I, 32. 1832. TYPE: Somalia. *Cole s.n.* (lectotype, here designated, K) [excluding *Lort-Phillips s.n.* on same sheet, cited by Baker as a syntype, which is *P. lanuginosus* (C. F. F. Hochstetter ex Bentham) Agnew].

Plectranthus puberulentus J. K. Morton, nom. nov. Replaced name: *Coleus gracilis* Gürke, Bot. Jahrb. Syst. 38: 170 incl. fig. 2, 1906. Not *P. gracilis* Suessenguth, in Proc. & Trans. Rhodesia Sci. Assoc. 43: 126, 1951. SYNTYPES: Somalia. Gebüsch, Ellenbeck 965 (B destroyed); Ethiopia. Riva 1564 (FT).

Isodon schimperi (Vatke) J. K. Morton, comb. nov. Basionym: *Plectranthus schimperi* Vatke, Linnaea 37: 317, 1872. SYNTYPES: Ethiopia. Gonder region, Gaffat, 8100 & 8200 ft., Schimper 1174 (P not seen, K) and 1179 (K).

This species is similar to *Isodon ramosissimus* (J. D. Hooker) Codd and is included in it by Codd (1984). It is not mentioned by Li (1988) in his revision of the genus. Unlike *I. ramosissimus*, it is subglabrous and larger in all its parts, with a trun-

cate, instead of round, leaf base. Based on the description, *P. schimperi* Chiovenda, *Malpighia* 34: 517, 1937, a later homonym, is a synonym, too.

Solenostemon autrani (Briquet) J. K. Morton, comb. nov. Basionym: *Coleus autrani* Briquet, *Bull. Herb. Boissier* 2: 129, Feb. 1894. TYPE: Ethiopia. Without locality, *Schimper* 693 (holotype, P; isotype, K).

Coleus shirensis Gürke, *Bot. Jahrb. Syst.* 19: 216, Mar. 1894. SYNTYPES: Malawi. Without locality, 1891, *Buchanan* 376 (K), 602b (K); Mt. Mlanje, *Whyte s.n.* (K).

Coleus silvaticus Gürke ex H. G. A. Engler, *Abh. Preuss. Akad. Wiss.* 51, May 1894, name only; full description in *Bot. Jahrb. Syst.* 19: 213, Aug. 1894. SYNTYPES: Tanzania. Usambara, *Holst* 3704 (B destroyed), 3708 (B destroyed).

Solenostemon zambesiacus J. G. Baker, in Thiselton-Dyer, *Fl. of Trop. Africa* 5: 421, 1900. SYNTYPES: Malawi. Shire highlands near Blantyre, 1897, *Last s.n.* (K); between Shibisa and Tshinmujo, 2000–4000 ft., *Kirk s.n.* (K).

Coleus ostinii Chiovenda, *Ann. Bot. (Rome)* 9: 125, 1911. SYNTYPES: Ethiopia. Gonder region, Amhara-Dembia between Gonder and Fenter, *Chiovenda* 1450 (FT) [a good specimen with flowers and mature calyces]; Cococe valley above Gondar, *Chiovenda* 1854 (FT not seen).

Coleus darforensis R. D. Good, *J. Bot.* 62: 138, 1924. TYPE: Sudan. Jebel Marra, *Lynes* 4c (holotype, BM [2 sheets]).

Solenostemon darforensis (R. D. Good) B. F. Mathew, *Kew Bull.* 25: 258, 1971.

Solenostemon sylvaticus (Gürke) Agnew, *Upland Kenya Wild Flowers* 640, 1974.

Solenostemon shirensis (Gürke) Codd, *Bothalia* 11, 4: 440, 1975.

Solenostemon porpeodon (J. G. Baker) J. K. Morton, comb. nov. Basionym: *Plectranthus porpeodon* J. G. Baker, in Thiselton-Dyer, *Fl. Trop. Africa* 5: 525, Dec. 1900. *Plectranthus microphyllus* J. G. Baker, in Thiselton-Dyer, *Fl. Trop. Africa* 5: 410. Not *Plectranthus microphyllus* Gürke, *Bot. Jahrb. Syst.* 28: 467, July 1900. TYPE: Tanzania. Magila, *Kirk s.n.* (holotype, K).

Solenostemon porpeodon is part of the *S. latifolius*

complex. The complex is widely distributed in tropical Africa where it is represented by many ecological and geographical forms, the taxonomic and nomenclatural status of which is unclear. At the present time a conservative approach to the taxonomy of the group seems to be appropriate, pending a comprehensive study of the complex over its entire range of distribution. Typical *S. latifolius* is an erect, somewhat weedy annual herb, whereas *S. porpeodon* is a decumbent perennial with thicker leaves and a larger, more showy corolla. It is associated with openings in the forest and rocky outcrops. *Solenostemon thyrsiflorus* (J.-P. A. Lebrun & A. Toussaint) Vollesen is a similar, usually more pubescent, plant from savanna habitats in central Africa, which may be conspecific with *S. porpeodon*.

Acknowledgments. I am grateful to the directors of the following institutions for permission to use their herbarium and library facilities: BM, E, ETH, FI, FT, K, PRE, and UPS. I am also indebted to Alan Paton for useful discussions about the genus *Plectranthus* and its allies.

Literature Cited

- Adams, C. D. 1972. *Flowering Plants of Jamaica*. Univ. West Indies, Mona.
- Agnew, A. D. Q. 1974. *Upland Kenya Wild Flowers*. Oxford Univ. Press, Oxford.
- Brummitt, R. K. 1992. *Vascular Plant Families and Genera*. Royal Botanic Gardens, Kew.
- Codd, L. E. 1975. *Plectranthus* (Labiatae) and allied genera in Southern Africa. *Bothalia* 11(4): 371–442.
- . 1984. The genus *Isodon* (Schrad. ex Benth.) Spach in Africa and a new genus *Rabdosiella* Codd (Lamiaceae). *Bothalia* 15(1 & 2): 7–10.
- Li, H. 1988. Taxonomic review of *Isodon* (Labiatae). *J. Arnold Arbor.* 69: 289–400.
- Morton, J. K. 1962. Cytotaxonomic studies on the West African Labiatae. *J. Linn. Soc., Bot.* 58(372): 231–283.
- Ryding, O. 1992. Pericarp structure and phylogeny within Lamiaceae subfamily Nepetoideae tribe Ocimeae. *Nordic J. Bot.* 12: 273–298.
- . 1993. A reconsideration of the genus *Rabdosiella* (Lamiaceae, Neperoideae, Ocimeae). *Pl. Syst. Evol.* 185: 91–97.