

NEW COMBINATIONS IN *MYRIOPIUS* (HELIOTROPIACEAE)

JOSÉ IRANILDO MIRANDA DE MELO¹

Abstract. Three new combinations in *Myriopus* (Heliotropiaceae) endemics from Brazil are proposed in this paper: *Myriopus gardnerianus*, *M. membranaceus* and *M. salicifolius*.

Resumen. En este trabajo se proponen tres nuevas combinaciones en *Myriopus* (Heliotropiaceae) endémicas de Brasil: *Myriopus gardnerianus*, *M. membranaceus* y *M. salicifolius*.

Keywords: Boraginales, flora, nomenclature, South America

The genus *Myriopus* (Heliotropiaceae) was proposed by Small (1933: 1131) and according to recommendations of Diane et al. (2003), encompasses all the species incorporated into *Tournefortia* sect. *Cyphocyema* I.M. Johnst. (Johnston 1930), a Neotropical group presenting approximately 25 species (Melo pers. obs.) and the majority of them occurs in Brazil where various are endemics from this country.

Myriopus representatives are lianas or subscandent shrubs with supporting branches. The leaves are alternate to pseudo-opposite, elliptic, and lanceolate to ovate or obovate. Inflorescences are axillar or terminate, generally secundiflorous, many-flowered, all them ebracteose. The fruit are fleshy 4-lobed with embryo curved (Diane et al., 2016), the latter consisting of one of the main morphological characteristics for the recognition of its species.

According to The Plant List (2018) *Myriopus* currently it has 18 names being necessary to proceed various new combinations. For this reason, based on the current morphological characterization of *Myriopus*, here three representatives of *Tournefortia* endemics from Brazil are transfer to the genus *Myriopus* (Heliotropiaceae *sensu* BWG, 2016; Diane et al., 2016).

Myriopus gardnerianus (A. DC.) J.I.M. Melo, *comb. nov.*
Basionym: *Tournefortia gardneri* A. DC., Prodr. 9: 526. 1845. TYPE: BRASIL. Rio de Janeiro: In a road, Botafogo Bay, September 1836, *G. Gardner 175* (Holotype: not located; Isotype: K [000583440]).

Distribution: Brazil.

Myriopus membranaceus (A. DC.) J.I.M. Melo, *comb. nov.*
Basionym: *Tournefortia membranacea* A. DC., Prodr. 9: 530. 1845. TYPE: BRASIL. Rio de Janeiro: Morro do Flamengo, September 1836, *G. Gardner 82* (Holotype: MO [1606071]; Isotypes: P [03864425, 03864426]).

Distribution: Brazil.

Myriopus salicifolius (Gardner) J.I.M. Melo, *comb. nov.*
Basionym: *Messerschmidia salicifolia* Gardner, London J. Bot. 1: 181. 1842. TYPE: BRÉSIL. Rio de Janeiro, 1836, *G. Gardner 81* (Holotype: not located; Isotypes: FI [005005], K [000583437, 000583438], P [04037958, 04037960]).

Distribution: Brazil.

LITERATURE CITED

- BORAGINALES WORKING GROUP (BWG). 2016. Familial classification of the Boraginales. *Taxon* 65, No. 3: 502–522. Available at: <https://doi.org/10.12705/653.5>
- DIANE, N., H. FÖRTHNER AND H. H. HILGER. 2003. A systematic analysis of Heliotropiaceae (Boraginales) based on trnL and ITS1 sequence data. *Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie* 125: 19–51. Available at: <http://dx.doi.org/10.1127/0006-8152/2003/0125-0019> (accessed November 6, 2018).
- , H. H. HILGER, H. FÖRTHNER, M. WEIGEND AND F. LUEBERT. 2016. Heliotropiaceae. Pages 203–211 in J. W. KADEREIT & V. BITTRICH, EDS., *Flowering Plants. Eudicots, The Families and Genera of Vascular Plants* volume 8. Springer International Publishing, Switzerland.
- JOHNSTON, I. M. 1930. Studies in Boraginaceae 8. *Cordia* and *Tournefortia* known from Brazil, Paraguay, Uruguay and Argentina. *Contributions from the Gray Herbarium of Harvard University* 92: 1–95.
- SMALL, J. K. 1933. *Manual of the Southeastern Flora*. University of North Carolina Press, New York.
- THE PLANT LIST: A working list of all plant species 2018. *Myriopus*. In Boraginaceae. Available at: <http://http://www.theplantlist.org/tpl1.1/search?q=Myriopus> (accessed November 28, 2018).

The author would like to acknowledge CNPq (National Council for Scientific and Technological Development) for a Research Productivity Fellowship (PQ-2 Proc. n. 303867/2015-9).

¹ Universidade Estadual da Paraíba, Centro de Ciências Biológicas e da Saúde, Departamento de Biologia. Avenida das Baraúnas, 351, Bairro Universitário, 58429-500, Campina Grande, Paraíba, Brasil; tournefort@gmail.com