

# NEW COMBINATIONS IN *EUPLOCA* (HELIOTROPIACEAE) FROM FRENCH POLYNESIA

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**Abstract.** Two new combinations in *Euploca* (Heliotropiaceae) from Marquesas Islands, endemic from French Polynesia, are proposed in this paper: *Euploca marchionica* and *Euploca perlmanii*.

**Resumen.** En este trabajo se proponen dos nuevas combinaciones en *Euploca* (Heliotropiaceae) de las Islas Marquesas, endémicas de la Polinesia Francesa: *Euploca marchionica* y *Euploca perlmanii*.

**Keywords:** Boraginales, nomenclature, Pacific Ocean

In the last two decades, the collections of the main South American, North American and European herbaria have been studied including all the type specimens and other material especially the historical collections belonging to Boraginaceae subfamily Heliotropioideae (= Heliotropiaceae). Based on the publication of Diane et al. (2003), currently all the genera subordinated to the subfamily Heliotropioideae (Boraginaceae) are relegated to Heliotropiaceae (Boraginales) represented by four genera: *Euploca* Nutt., *Heliotropium* L., *Ixhorea* Fenzl (endemic from Argentina) and *Myriopus* Small (BWG, 2016).

The genus *Euploca* was reestablished by Diane et al. (2003) to accommodate the species belonging to *Heliotropium* sect. *Orthostachys* R.Br. and the representatives of the genera *Hilgeria* Förther and *Schleidenia* Endl., being one of the most of the family encompassing approximately 100 species, several of them endemic to South America and Mexico, the latter one of the main centers of diversification of the genus. New combinations were proceeded in American representatives of *Euploca* (Feuillet, 2016; Feuillet and Hasle, 2016; 2017; Luebert and Frohlich, 2016; Melo 2017a, b; Melo 2019; Melo and Gonçalves, 2018; Melo and Fernández-Alonso, 2015); nonetheless, several taxa from other regions of the world still require nomenclatural updates.

Based on the current morphological circumscription of *Euploca* associated with knowledge still incipient of its representation in the Pacific Ocean region, two species originally described under *Heliotropium*, endemic from Marquesas Islands, French Polynesia, are here transfer to

*Euploca* (Heliotropiaceae *sensu* BWG, 2016; Diane et al., 2016). JSTOR (Journal Storage) – the Global Plants Platform also was consulted in order to complement the information about type specimens. The acronyms of the herbaria follow Thiers (continuously updated).

***Euploca marchionica*** (Decne.) J.I.M. Melo, *comb. nov.*

Basionym: *Heliotropium marchionicum* Decne., Voy. Venus, Bot. [Atl.]: 21. 1864. TYPE: FRENCH POLYNESIA. Iles Marquises [Marquesas Islands], Noukahiva [Nuku Hiva], “toutemanou,” pl. herbacee sur le sommet du montagne, Le Bastard 76 (Holotype P00610129, digital image!; Isotype fragment A00097761, digital image!).

**Distribution:** Marquesas Islands (French Polynesia).

***Euploca perlmanii*** (Lorence & W.L. Wagner) J.I.M. Melo, *comb. nov.*

Basionym: *Heliotropium perlmanii* Lorence & W.L. Wagner, Phytoneuron 47: 51. 2015. TYPE: FRENCH POLYNESIA. Marquesas Islands: Eiao, north side of large valley which is south of Vaituha Valley, Opituha Valley. Sea cliffs, with *Heliotropium*, *Dodonaea*, *Cordia lutea*. Shrubs 1-2 ft. tall; flower; leaves smaller than Nuku Hiva plants; not silvery, 1050 ft [320 m], 7 Jul 1988, S. Perlman & J. Florence 10052 (Holotype PTBG 009229; Isotypes BISH, F, MO, P, PAP, US01195929, digital image!).

**Distribution:** Marquesas Islands (French Polynesia).

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