

VALIDATION OF THE COMBINATION *MONTEVERDIA PSAMMOPHILA* (CELASTRACEAE)

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Abstract. *Maytenus* species bearing fruits with a coriaceous pericarp that open by two valves and having seeds that are completely covered by a white aril are currently placed in the genus *Monteverdia*. One hundred and twenty-three combinations have been proposed following these two diagnostic characters. However, according to Art. 41.5 of the *International Code of Nomenclature for algae, fungi and plants*, one of these combinations has not been validly published. The validation of the combination *Monteverdia psammophila* is provided here through the presentation of the complete citation of its basionym.

Keywords: basionym, Bahia, Code, *Maytenus*, *Monteverdia*

In a contribution to the systematics of *Maytenus* Molina (Celastraceae), Biral et al. (2017) presented a phylogenetic study based on morphological and molecular characters. Supported by molecular and morphological evidence, especially that based on fruit characters, the results obtained provided a guide to a new proposal for the delimitation of the genus. *Maytenus* had three main lineages that were then recognized as separate genera: *Maytenus*, *Tricerma* Liebm., and *Monteverdia* A. Rich. (Biral et al., 2017). One of the *Maytenus* lineages comprises the species presenting flowers with two carpels, two ovules per locule, fruits with coriaceous pericarp that open by two valves, and a white aril that completely covers the seeds. Biral et al. (2017) presented 123 new combinations transferring *Maytenus* species from this lineage to the genus *Monteverdia*.

Checking some of these combinations as part of the project Flora do Brasil, 2020 (<http://floradobrasil.jbrj.gov.br>), I came across one combination that according to Article 41.5 of the *International Code of Nomenclature for algae, fungi and plants* (Shenzhen Code) (Turland et al., 2018) is not considered validly published. The valid

combination of *Maytenus psammophila* Biral & Lombardi in *Monteverdia* is provided below.

Monteverdia psammophila (Biral & Lombardi) Biral, *comb. nov.*

Basionym: *Maytenus psammophila* Biral & Lombardi, Harvard Pap. Bot. 18(2): 129–131. 2013.

TYPE: BRAZIL. Bahia: Pilão Arcado, dunas, caatinga de areia, 10°07'11"S, 42°53'02"W, 457 m, 16 June 2007, R. M. Santos 1357 (Holotype: HRCB [49506]; Isotype: HUEFS [122294]).

The transfer of *Maytenus psammophila* to *Monteverdia* was not validly published in Biral et al. (2017) because the text lacked the specific epithet of the basionym. According to Article 41.5. of the Shenzhen Code (Turland et al., 2018) this unintentional omission, due to a typographical error, invalidated the combination.

Monteverdia psammophila is endemic to Brazil and is restricted to a few locations in northwestern Bahia, characterized by sandy soils and popularly known as “the dunes of the São Francisco river” (Biral and Lombardi, 2013).

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