



SYSTEMATIC AND PHYLOGENY OF *LEUCOBRYUM* (LEUCOBRYACEAE, BRYOPHYTA) FROM INDIAN OCEAN

Az Indiai-Óceáni térség *Leucobryum* fajainak törzsfajlódése és rendszertana

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The genus *Leucobryum* Hampe (Leucobryaceae, Bryophyta) is a genus of moss that has been poorly explored in the African region and especially in the western part of the Indian Ocean.

A morphological analysis of the types specimen of the Herbar de Cryptogamie (PC) (Paris, MNHN) of Paris as well as of specimens collected between 1994 and 2019 has been conducted. Twelve morphological clusters were proposed. A molecular analysis based on the amplification of 3 markers will be treated. Various methods of species delimitation were used ABGD, ASAP, based on the analysis of genetic distance, mPTP, GMYC, based on the analyse of speciation event regarding coalescence events from a phylogenetic tree. Within the framework of an integrative taxonomy approach, the CoMa decision tool allowed to highlight 7 species well delineated for the area (*L. cambouei*, *L. boryanum*, *L. cuculatum*, *L. isleanum*, *L. perrotii*, *L. boivinianum* and *L. madagassum*) and 4 species (*L. sancta-mariae*, *L. acutifolium*, *L. comorense*, *L. mayottense*) grouped in a multispecies complex. A phylogeny at a large scale is proposed.