Outlineoffungi.org - Note 1336 *Roselviria*

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Roselviria Xavier-Leite, M. Cáceres & Lücking

Roselviria was erected by Xavier-Leite et al. (2023) under *Gomphillaceae* (*Graphidales*, *Ostropomycetidae*, *Lecanoromycetes*, *Pezizomycotina*, *Ascomycota*) to accommodate *Roselviria purulhensis* (Lücking & Barillas) Xavier-Leite, M. Cáceres & Lücking (=*Aderkomyces purulhensis* (Lücking & Barillas) Lücking, Sérus. & Vězda) as the type species, based on morphology and phylogenetic analysis using SSU and LSU sequence data. Another species of *Roselviria* is *R. lobulimarginata* (Sipman & Lücking) Xavier-Leite, M. Cáceres & Lücking. The thallus of this lichenized genus exhibits continuity, transitioning into coarse verrucosity, adorned with black setae, and accompanied by a dark brown prothallus. The apothecia adhere to and sit sessile, displaying a lecideine structure with dark brown pruina. The ascospores are muriform, while the hyphophores turn setiform and black. The diaphyphae assume a moniliform. In the molecular analysis (Xavier-Leite et al. 2022). *Roselviria* is distinct from *Aderkomyces* s.str., characterized by pale chroodiscoid apothecia and short setiform hyphophores. Despite Lücking et al. (2005) considering apothecial morphology unimportant for classification, molecular data suggest otherwise and reveal that the sterile white setae, linking *Roselviria* to *Aderkomyces* s.str., evolved independently multiple times within the family.

References

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Xavier-Leite AB, Goto BT, Lücking R, da Silva Cáceres ME. 2023 – New genera in the lichenized family *Gomphillaceae* (*Ascomycota*, *Graphidales*) focusing on neotropical taxa. Mycological Progress 22(12), 88.

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(Edited by **Subodini N. Wijesinghe)**

Published online 31 May 2024