

Outlineoffungi.org - Note 1434 *Raveneliopsis*

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Raveneliopsis Ebinghaus & Dianese

Raveneliopsis was erected by Ebinghaus et al. (2023) to accommodate two species under *Raveneliaceae* (*Pucciniales*, *Pucciniomycetes*, *Pucciniomycotina*, *Basidiomycota*) based on morphological characters and phylogenetic analyses using 28S, 18S, and CO3 sequence data. In the new genus *Raveneliopsis*, uredinia and telia are densely surrounded by stout, incurved peripheral paraphyses, forming basket-like sori. Urediniospores are profusely formed, and superficially decorated with spirally arranged notched ridges. Teliospores are aggregated in sub-hemispherical convex ravenelioid spore heads, sometimes showing characteristic botryose appendages. The genus is typified by *Raveneliopsis cenostigmatis* (Berndt & F.O. Freire) Ebinghaus & Dianese. The second species is *Raveneliopsis spiralis* (J.F. Hennen & Cummins) Ebinghaus & Dianese. *Newinia* formed a sister clade with *Raveneliopsis* based on combined dataset of 28S, 18S, and CO3 sequences. Both species were found on the leaves of *Cenostigma macrophyllum* in Brazil. Also, both species are the new combinations of *Ravenelia cenostigmatis* and *Ravenelia spiralis*. Four other *Ravenelia* species found on *Cenostigma* share similar traits such as striate urediniospores, incurved paraphyses, and basket-like sori, suggesting they may be part of this new genus. However, differences in teliospore morphologies and host associations distinguish them from *Raveneliopsis* species (Ebinghaus et al. 2023).

Reference

Ebinghaus M, Dos Santos MD, Tonelli GS, Macagnan D, et al. 2023 – *Raveneliopsis*, a new genus of ravenelioid rust fungi on *Cenostigma* (*Caesalpinioideae*) from the Brazilian Cerrado and Caatinga. *Mycologia* 115(2), 263–76.

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