

Outlineoffungi.org - Note 1065 *Rossmatomyces*

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Rossmatomyces Aime & McTaggart

Rossmatomyces was proposed by de Sousa Aime & McTaggart (2021) to accommodate *R. pyrolae* (Rostr.) Aime & McTaggart as the type species based on the morphological characteristics and phylogenetic analysis of 28S, 18S, and CO3 sequence data. This genus has three species including *R. monesis* (Ziller) Aime & McTaggart, *R. pyrolae* (Rostr.) Aime & McTaggart, and *R. ramischiae* (Lagerh.) Aime & McTaggart. *Rossmatomyces* is proposed to accommodate two *Chrysomyxa* species viz. *Chrysomyxa ramischiae* Lagerh. and *C. monesis* Ziller (Aime and McTaggart 2021). In the phylogenetic analysis based on 28S, 18S, and CO3 sequences, these two species formed a clade sister to *Coleosporium* in *Coleosporiaceae*. Two new combinations are proposed for these two species. The type species is *R. pyrolae* (Rostr.) Aime & McTaggart and another species *R. monesis*. *Rossmatomyces* resembles *Chrysomyxa* but could be differed by forming a systemic sporothallus. *Rossmatomyces* differs from all other rust fungi in forming sporothalli on *Moneses* and *Orthilia* (*Ericaceae*) (Aime & McTaggart 2021).

Reference

Aime MC, McTaggart AR. 2021 – A higher-rank classification for rust fungi, with notes on genera. *Fungal Systematics and Evolution* 7(1), 21–47.
<https://doi.org/10.3114/fuse.2021.07.02>

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