

Outlineoffungi.org - Note 451 *Rhizophydites*

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Rhizophydites M. Krings & C.J. Harper

Rhizophydites is a monotypic genus established by Krings et al. (2021) to accommodate *R. matryoshkae* M. Krings & C.J. Harper as the type species, based on the morphological characteristics. *Rhizophydites matryoshkae* was isolated from the Rhynie chert (Early Devonian) of Aberdeenshire, Scotland. The original generic diagnosis is as follows, simple eucarpic fossil, monocentric thalli; epibiotic zoosporangia, variable in size and shape, much less than 40 µm in diameter, with one or several discharge openings, inoperculate; endobiotic rhizoidal system, arising from a single site on the zoosporangium; subsporangial swelling giving off one or two rhizoidal axes may be present; thalli occur singly or in planar assemblages, sometimes also in multiples extending from a common site on substrate or in clusters comprising individuals in different phases of development, some growing from substrate and others from adjacent zoosporangia; new zoosporangia may develop inside the old zoosporangia. The taxonomic placement of *Rhizophydites* is in *Rhizophydiaceae*, *Rhizophydiales*, *Rhizophydiomycetes*, and *Chytridiomycota*.

Reference

Krings M, Serbet SM, Harper CJ. 2021 – *Rhizophydites matryoshkae* gen. et sp. nov. (Fossil *Chytridiomycota*) on spores of the early land plant *Horneophyton lignieri* from the Lower Devonian Rhynie Chert. *International Journal of Plant Sciences* 182(2), 109–122. <https://doi.org/10.1086/712250>

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