

Outlineoffungi.org - Note 1454 *Quasiramulariaceae*

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Quasiramulariaceae R. Kirschner, M. Kolařík & M. Piepenbr.

Kolařík et al. (2021) introduced *Quasiramulariaceae* under *Quasiramulariales* (*Ustilaginomycotina*, *Basidiomycota*) to accommodate *Quasiramularia* I-Chin Wei & R. Kirschner as the monotypic genus according to morphology and phylogeny by LSU, SSU, and RPB2 sequences. The type species is *Quasiramularia phakopsoricola* I-Chin Wei & R. Kirschner. It is a *Ramularia*-like hyphomycete discovered on uredinia of *Phakopsora ampelopsidis* on leaves of wild *Ampelopsis brevipedunculata* and cultivated *Parthenocissus tricuspidata* in several cities in Taiwan. *Quasiramularia* is similar to anamorphic *Ramularia* Unger, but differs by conidiogenous loci lacking the ring-shaped hollow between the central dome and the marginal ring typical of *Ramularia* species (Kolařík et al. 2021). In the type species, hyphae and conidiophores develop as white to dirty white powdery pustules on rust uredinia found on the underside of living leaves. The conidiophores arise from the uredinia, appearing loosely erect to decumbent, effuse, subcylindrical, septate, and hyaline or subhyaline. Conidiogenous cells are typically located at the terminal end, occasionally at the subterminal or lateral positions, somewhat cylindrical, or slightly swollen. The conidia are joined in chains, shaped like ellipses, ovals, or somewhat cylindrical-fusiform, and rounded to slightly pointed ends with thickened hila that are slightly darkened (Kolařík et al. 2021).

Reference

Kolařík M, Wei IC, Hsieh SY, Piepenbring M, et al. 2021 – Nucleotide composition bias of rDNA sequences as a source of phylogenetic artifacts in Basidiomycota—a case of a new lineage of a urediniculous *Ramularia*-like anamorph with affinities to *Ustilaginomycotina*. *Mycological Progress* 20, 1553–71.

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