Outlineoffungi.org - Note 945 *Kudratovia*

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Kudratovia S.Y. Kondr., Lőkös & Hur

Kudratovia was established based on combined ITS and SSU sequences data by Kondratyuk et al. (2021). The genus comprised eight species with *Kudratovia straussii* S. Y. Kondr., L. Lőkös et J.-S. Hur as the type and reported mostly on calcareous rocks, mosses, plant remnants and rarely on Ca-containing soil. Apothecia are lecanorine and ascospores of Bicincta- or Physcia-types sometimes with elongated hyaline ends. Conidia are bacilliform. The taxa are distributed in arctic and alpine ecosystems of the Northern Hemisphere, Asia and Eurasia in both sexual and asexual states. The genus was proposed for former '*Rinodina*' *straussii* group that showed similar morphological characters, but differs from the genus in the presence of *Bicincta*- or *Physcia*-types of ascospores, thallus containing zeorin, variolaric acid and unknown fatty acid. The genus positioned within *Phaeophyscia* s. l. subclade based on combined ITS and SSU but formed a sister clade to the *Oxnerella* and the *Rinodinella sensu lato* subclades based on ITS sequence data (Kondratyuk et al. 2021). The species *Kudratovia roscida* and *K. luridata* were formerly included in *Rinodina* were recovered separately but sister to *Phaeophyscia ciliata* in the previous phylogenetic study conducted by Nadyeina et al. (2010). '*Rinodina*' *teicholyta* –'*Rinodina*' *alba* also recovered in the sister position to *Kudratovia* based on ITS sequence data. However, *Rinodina*' *alba* was assigned to *Helmutiopsis* based on combined ITS and SSU sequences data whereas '*Rinodina*' *teicholyta* has refrained to transfer to *Kudratovia* due to the presence of *Mischoblastia*- or *Pachysporaria*-types of ascospores, wider conidia (to 1.5 µm wide), absence of lichen substances, and distribution in Eurasia, North Africa and New Zealand. The taxonomic placement of *Kudratovia* is in *Physciaceae, Caliciales, Lecanoromycetidae, Lecanoromycetes*, *Pezizomycotina* and *Ascomycota*.

References

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