

Outlineoffungi.org - Note 1041 *Neopuccinia*

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Neopuccinia A. Martins

Neopuccinia was proposed by Junior et al. (2019) to accommodate *N. bursa* as a monotype species, based on morphological characteristics and phylogenetic analysis of SSU and LSU sequence data. The type species was isolated from leaves of *Protium heptaphyllum* in Brazil. *Neopuccinia* is characterized by the presence of bag-like protrusions that arise from the teliospore walls, and irregularly ellipsoid teliospores. Phylogenetic analysis of *Pucciniales* showed that *Neopuccinia* clade forms a separate lineage within *Uredinineae incertae sedis* (Aime and McTaggart 2021). Further studies are required with more taxon sampling and additional coding loci to clarify the family placement of this genus. The taxonomic placement of *Neopuccinia* is in *Pucciniales*, *Pucciniomycetes*, and *Basidiomycota*.

Reference

- Junior AS, Sakuragui CM, Hennen JF, Junior AA. 2019 – *Neopuccinia* (*Pucciniales*): a new *Puccinia*-like genus from the Brazilian Cerrado. *Phytotaxa* 406(3), 169–179. <https://doi.org/10.11646/phytotaxa.406.3.3>
- 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>

Entry by

Maoqiang He, State Key Laboratory of Mycology, Institute of Microbiology, Chinese Academy of Sciences, Beijing 100101, China

(Edited by **Rui-Lin Zhao**, **Maryam Tavakol Noorabadi**, **Kevin D. Hyde** & **Subodini N. Wijesinghe**)

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