

Outlineoffungi.org - Note 887 *Neoacervuloseptoria*

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Neoacervuloseptoria Raghv. Singh & Sanjay Yadav

Neoacervuloseptoria was introduced by Yadav et al. (2023) as a monotypic genus, typified with *Neoacervuloseptoria fraxini* (Crous & Bulgakov) Raghv. Singh & Sanjay Yadav. The sexual morph in this genus is absent. *Neoacervuloseptoria* was characterized by its pycnidial conidiomata. Conidiophores reduced to conidiogenous cells, conidiogenous cells subcylindrical to ampulliform, colorless, smooth, proliferating percurrently and sympodially at the apex, Conidia are septate, solitary, subcylindrical, colorless, smooth, straight to curved, apex subobtuse, base truncate with basal marginal frill. This genus differs from the genus *Acervuloseptoria* by its pycnidial conidiomata opening via central ostioles (Yadav et al. 2023). *Neoacervuloseptoria fraxini* did not show morphological similarity with *Acervuloseptoria ziziphicola*. The monotypic genus *Acervuloseptoria* is a sister clade for *Acervuloseptoria* and *Neocercospora*. However, Yadav et al. (2023) did not compare the morphological differences between *Neoacervuloseptoria* and *Neocercospora*. *Neoacervuloseptoria* was reported to be phytopathogenic causing leaf spots of *Fraxinus pennsylvanica* in the Rostov region, Russia (Crous et al. 2020). However, Koch's postulates have not been conducted. Based on morphological characters and phylogenetic analyses using ITS, LSU, and *RPB2* the taxonomic placement of *Neoacervuloseptoria* is in *Mycosphaerellaceae*, *Mycosphaerellales*, *Dothideomycetes*.

References

- Crous PW, Wingfield MJ, Schumacher RK, Akulov A, Bulgakov TS et al. 2020 – New and Interesting Fungi. 3. Fungal Systematics and Evolution 6 (1), 157-231. <https://doi:10.3114/fuse.2020.06.09>
- Yadav S, Singh R, Verma SK, Singh G, Kushwaha P. 2023 – Addition of three new lineages in Mycosphaerellaceae: *Neoacervuloseptoria* gen. nov., *Neocercospora* gen. nov. and *Neoramulariopsis* gen. nov. Mycological Progress 22 (4), 26. <https://doi.org/10.1007/s11557-023-01871-y>

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