

## Outlineoffungi.org - Note 1025 *Aurantipostia*

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***Aurantipostia*** B.K. Cui & Shun Liu

*Aurantipostia* was erected by Liu et al. (2022) as a monotypic genus to accommodate *A. macrospora* B.K. Cui & Shun Liu as the type species. *Aurantipostia* exhibits similarities to *Postia*, characterized by its professional aurantia-colored fruiting body. Based on combined sequence analyses (ITS, LSU, SSU, *tef1*, and *rpb2*), Liu et al. (2022) proposed *Aurantipostia* as a new genus, which formed a well-resolved clade to the related genera *Nothofagiporus*, *Ptychogaster*, and distinct from *Postia*. *Aurantipostia* significantly differs from the other related genera, by having flabelliform to irregular pileus, pale-buff to apricot orange pileal surface, corky cream colored context, and cream to orange-yellow pores surface (while other closely related genera *viz.*, *Nothofagiporus* differs by having clay-buff to vinaceous grey pileal surface and white to buff pore surface, *Ptychogaster* varies by having soft, corky to fragile fruitbody with white to cream pileal surface, and white to buff pore surface and *Postia* differs by its white or greyish to pale greyish brown pileal surface). Morphologically, *Aurantipostia* is characterized by a monomitic hyphal system with clamped generative hyphae, absence of cystidia, presence of cystidioles, and smooth, thin-walled, hyaline, oblong ellipsoid, acyanophilic, inamyloid and non-dextrinoid basidiospores and causing brown rot in the host. *Aurantipostia macrospora* was isolated on dead *Eucalyptus* in Tasmania.

### Reference

Liu S, Chen YY, Sun YF, He XL et al. 2022 – Systematic classification and phylogenetic relationships of the brown-rot fungi within the *polyporales*. *Fungal Diversity* 118(1), 1–94. <https://doi.org/10.1007/s13225-022-00511-2>

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