

sOutlineoffungi.org – Note 706 *Amoenoboletus*

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Amoenoboletus G. Wu, E. Horak & Zhu L. Yang

This genus was established by phylogenetic analyses based on ITS, LSU, *tefl-α*, and *rpb2* sequence data by [Wu et al. \(2022\)](#). *Amoenoboletus* is currently placed in *Boletaceae* (*Boletales*, *Agaricomycetes*, *Basidiomycota*). The type species is *Amoenoboletus granulopunctatus* (Hongo) G. Wu, E. Horak & Zhu L. Yang. There were three species from *Boletus* and *Xerocomus* recombined in this genus ([Wu et al. 2022](#)). *Amoenoboletus* species are ectomycorrhizal ([McNabb 1968](#)). *Amoenoboletus mcrobbii* is associated with *Nothofagaceae* ([McNabb 1968](#)). Species of this genus can be distinguished from other genera of *Boletaceae* by following features: the unchanging context and hymenophore upon bruising, the reddish to red hymenophoral surface and the yellowish tubes, the furfuraceous squamules on the pileus and stipe, subcutis pileipellis, and the ovoid to ellipsoid, smooth-walled, inamyloid basidiospores lacking a suprahilar depression ([Wu et al. 2022](#)). This genus is only recorded from Asia and New Zealand.

References

- [McNabb RF. 1968 – The *Boletaceae* of New Zealand. *New Zealand Journal of Botany* 6\(2\), 137–176.](#)
- [Wu G, Li MX, Horak E, Yang ZL. 2022 – Phylogenetic analysis reveals the new genus *Amoenoboletus* from Asia and New Zealand. *Mycologia* 14\(1\), 144–156.](#)

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