

## Outlineoffungi.org – Note 1546 *Ionosporus*

**Web-links:** [Index Fungorum](#), [Facesoffungi](#), [Mycobank](#), [GenBank](#)

*Ionosporus* Khmel'n.

*Ionosporus* was established as a new genus in the *Boletaceae* by [Khmelnitsky et al. \(2019\)](#) to accommodate *Boletus longipes*, originally described in 1909 by George Masee from material collected in Singapore. Following a rather complex taxonomic history, that has seen the species recombined in *Porphyrellus* ([Singer 1945](#)) and then in *Austroboletus* ([Wolfe 1979](#)), the status of *Ionosporus* as a distinct genus was finally recognized thanks to the morphological and molecular study (*rpb2*) of newly collected specimens. The phylogenetic analysis showed that *Ionosporus* is related to *Borofutus* and *Spongiforma*, within the subfamily *Leccinoideae*. A number of collections from sclerophyll forest in Queensland and New South Wales, Australia, led to the description of a new species besides *I. longipes*, named *I. australis* ([Khmelnitsky et al. 2018](#)).

### References

- [Khmelnitsky O, Davoodian N, Singh P Raspé O, Lee SML et al. 2019 – \*Ionosporus\*: a new genus for \*Boletus longipes\* \(Boletaceae\), with a new species, \*I. australis\*, from Australia. \*Mycological Progress\* 18, 439–451.](#)
- [Masee G. 1909 – Fungi Exotici: IX. Bulletin of Miscellaneous Information 1909\(5\), 204–209.](#)
- [Singer R. 1945 – The Boletineae of Florida with notes on extralimital species. I. The Strobilomycetaceae. \*Farlowia\* 2, 97–141.](#)
- [Wolfe CB Jr. 1979 \(1980\) – \*Austroboletus\* and \*Tylopilus\* subg. \*Porphyrellus\* with emphasis on North American taxa. \*Bibl Mycol\* 69, 1–148.](#)

### Entry by

**Andrea C. Rinaldi**, Department of Biomedical Sciences, University of Cagliari, I-09042 Monserrato (CA), Italy

(Edited by **Alona Yu. Biketova**)

Published online 20 September 2024