

Outlineoffungi.org - Note 407, [Polonosporaceae](#)

[Polonosporaceae](#) Błaszcz. et al.

[Polonosporaceae](#) was introduced by [Błaszczowski et al. \(2021b\)](#) based on new phylogenetic data set of 18S-ITS-28S + *RPB1* sequences of a fungus described originally as *Acaulospora polonica* in Poland. Such analysis put *A. polonica* as a sister (divergent) clade of *Archaeosporaceae* and *Ambisporaceae* in *Archaeosporales*. Environmental sequences suggest that the new family includes other genera yet to be described and a worldwide distribution ([Kolarikova et al. 2021](#)) (B.T. Goto, F. Marguno & J. Błaszczowski).

Reference

- Błaszczowski J, Niezgoda P, Meller E, Milczarski P et al. 2021b – New taxa in *Glomeromycota*: *Polonosporaceae* fam. nov., *Polonospora* gen. nov., and *P. polonica* comb. nov. *Mycological Progress* 20, 941–951. [Doi 10.1007/s11557-021-01726-4](https://doi.org/10.1007/s11557-021-01726-4)
- Kolaříková Z, Slavíková R, Krüger C, Krüger M, Kohout P. 2021 – PacBio sequencing of *Glomeromycota* rDNA: a novel amplicon covering all widely used ribosomal barcoding regions and its applicability in taxonomy and ecology of arbuscular mycorrhizal fungi. *New Phytologist* 231, 490–499. [Doi 10.1111/nph.17372](https://doi.org/10.1111/nph.17372)