

Outlineoffungi.org - Note 689 *Phytochytrium*

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Phytochytrium Longcore & Jerônimo

The monotypic genus *Phytochytrium* was introduced by [Jerônimo et al. \(2022\)](#) to accommodate *P. stagnum* Longcore & Jerônimo, which was isolated from onion skin bait placed with a water collection containing plant detritus from Maine, USA. It was reported as a saprobic species ([Jerônimo et al. 2022](#)). The type species (asexual) is characterized by ‘Rhizomycelium branched, profuse, without septate or aseptate swellings, saprobic on plant material ([Jerônimo et al. 2022](#)). Zoosporangia is initially pear-shaped, non-stalked, directly attached to the rhizomycelium wall, producing broad, operculate discharge tubes. Resting spores thick-walled with a large lipid globule, formed like zoosporangia’ ([Jerônimo et al. 2022](#)). Based on LSU and SSU loci, [Jerônimo et al. \(2022\)](#) confirmed that *Phytochytrium* resides as a distinct clade in *Septochytriaceae* (*Cladochytriales*, *Cladochytriomycetes*, *Cladochytriomycota*).

Reference

Jerônimo GH, Simmons DR, Amses KR, Seto K, James TY, Pires-Zottarelli CLA, Longcore JE. 2022 – *Phytochytrium* and *Sparrowiella*, two new polycentric genera in *Cladochytriales*. *Mycological Progress* 21 (2, no. 31), 1–9.
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