

## First record of *Pythium grandisporangium* Fell & Master (Oomycetes, Chromista) in Brazil

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*Pythium grandisporangium* Fell & Master is a decomposer of leaves and/or a parasite of algae that inhabits saline marshes. It is distinguished from other species of the genus by the presence of large irregular bursiform zoosporangia with tapering necks, the size of the oogonia and the thickness of the oospores wall. This species was first reported in the United States, later in Canada, the Netherlands and Japan. In Brazil, it was isolated from leaves of *Rhizophora mangle* L. and from water with salinity greater than 2% of a mangrove area of the “Parque Estadual da Ilha do Cardoso” (PEIC), Cananéia, São Paulo State. The specimens were baited with *Sorghum* seeds and isolated in solid culture media (V8 and PYGs + 50% seawater). After purification, the specimens were characterized morphologically and molecularly (partial SSU and LSU and total ITS regions of the rDNA). All isolates are maintained in culture media containing 50% seawater at 20-22°C. These specimens will be incorporated at the Culture Collection of the “Instituto de Botânica”. This is the first study of oomycetes from mangrove areas in our country.

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