

## Outlineoffungi.org - Note 1216 Dematosporites

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***Dematosporites*** V.D. Kapgate & Wanjari ex R.K. Saxena, V.D. Kapgate & P.M. Kirk

The new monotypic genus, *Dematosporites* was introduced to accommodate *D. mahabalei* V.D. Kapgate & Wanjari ex R.K. Saxena, V.D. Kapgate & P.M. Kirk as a single fossil mitosporic species found on plant remains (fruit and leaf of an unknown leguminous host) in India ([Kapgate & Wanjari 2014](#), Saxena et al. 2023). Although originally described as a hyphomycete, according to the preserved fungal structures, the genus corresponds to a coelomycetous asexual morph, with a parasitic lifestyle. The main diagnostic features of this fossil ascomycota genus are the stromatic, dark brown, multilocular conidiomata, with the locules at one level, separated by vertical columns of dark pseudoparenchyma, with no distinguishable conidiophores. Conidiogenous cells are short cylindrical, discrete, and ovate, cylindrical or irregular, brown conidia, with 1 or 2 transverse, longitudinal, and thick septa. The morphology of conidiomata resembles that of *Cytoplea orientalis* Sutton ([Sutton 1980](#)), while conidia look like some in *Dichomera* (Saxena et al. 2023).

### References

- Kapgate VD, Wanjari MH. 2014 – An imperfect fossil fungi *Dematosporites mahabaleii* from central India. International Journal of Researches in Biosciences, Agriculture & Technology, Special Issue, 61–67.
- Saxena RK, Kapgate VD, Kirk PM. 2023 – Validation of the names of three genera and three species of Indian fossil fungi. Geophytology 53 (1), 25–27.
- Sutton BC. 1980 – The Coelomycetes. Fungi imperfecti with Pycnidia, Acervuli, and Stromata. CMI, Kew. 696 p.

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