Outlineoffungi.org - Note 735 *Allodiatrypella*

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Allodiatrypella H.Y. Zhu & X.L. Fan

Allodiatrypella H.Y. Zhu & X.L. Fan was introduced as a new genus by Zhu et al. (2020) in a paper in the Research Square online portal. Based on this Niranjan and Sarma (2021) introduced a new species *Allodiatrypella ananthapadmanabanii* (as '*ananthapadmanabhae*'). However, in their original publication in Frontiers in Microbiology, Zhu et al. (2021) did not introduce a new genus by the name of *Allodiatrypella*, although they have had mentioned this in the Research Square paper. The genus is therefore invalid, as it has not been published, and the new species *A. ananthapadmanabanii* is also invalid (Niranjan and Sarma, 2021). Hence, we transfer our species to *Diatrypella* Fr. as *Diatrypella ananthapadmanabanii* based on the morphological differences as mentioned in Niranjan and Sarma (2021).

Diatrypella ananthapadmanabanii (M. Niranjan & V.V. Sarma) M. Niranjan and V.V. Sarma, *comb. nov*.

Synonym: *Allodiatrypella ananthapadmanabanii* M. Niranjan & V.V. Sarma [as '*ananthapadmanabhae*'], Kavaka 56: 105 (2021)

Index Fungorum number: IF559927

Holotype: PUFNI 17439

Illustration: Niranjan and Sarma (2021), p. 106

Sexual morph: *Stromata* immersed in the bark of deadwood, circular, surface black, 3–10 ascomata per stroma. *Ascomata* 500–600 × 310–410 µm including necks, perithecial, globose, clustered, single to grouped, immersed, slightly raised, long necks with long furrows, narrow towards down, ostiolate, periphysate. *Periphyses* septate, within in the ostiolate neck. *Peridium* 15 µm wide, bipartite, outer thick cortical and medullary thin hyaline in *textura angularis* cells. Hamathecium paraphyses cellular, numerous, septate with constriction, guttulate, 1–3.9 µm, cellular, uneven in width, base broad to narrow apical ends. *Asci* 90–182.5 × 15.5–28.7 µm ($\bar{x}$ = 136 × 22.1, n = 25), unitunicate, pyriform-clavate, broad rounded apical apex, long pedicellate, narrowing down. *Ascospores* 6.25–12.5 × 2–2.5 µm ($\bar{x}$ = 8.1 × 2.2, n = 25), multi-sporous, sub-hyaline, allantoid, rounded-ends, smooth-walled. **Asexual morph:** Undetermined.

Material examined: India, Andaman and Nicobar Islands, North Andaman, Diglipur, Mohanpur (12°53′29.8″N 92°51′28.4″E). Found on an unidentified twig, 6 January, 2017, M. Niranjan & V.V. Sarma (PUFNI 17439, holotype). South Andaman, Ferrargunj (11°43′15″N 92°39′32″E) on bamboo culms (T302F3) 04 January 2017.

Notes: Zhu et al. (2021) have published six new species in *Diatrypella* and provided a key and a table of different genera and species of *Diatrypaceae*. Among the different species of *Diatrypella*, *D. yunnanensis* (18–22 × 3–4 um) produces the largest ascospores when compared to the other species, which produce shorter (6–9 um) ascospores. Similarly, the ascomata of *D. betulae, D. betulicola, D. betulina, D. hubeiensis* and *D. xinjiangensis* are larger but have smaller asci when compared to *D. yunnanensis* and *D. ananthapadmanabanii.* The ascomata of *D. ananthapadmanabanii* are larger than *D. yunnanensis* (500–600 × 310–420 vs. 360–440 × 245–260) whereas the asci (90–183 × 15–29 vs. 105–210 × 15–30 um) and ascospores (6.2–12.5 × 2–2.5 vs. 18–22 × 3–4 um) are smaller. Hence, based on the morphologically distinct characters present, the new taxon *D. ananthapadmanabanii* is described as a new name combination.

References

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