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Dimorphiopsis Crous, gen. nov.

Etymology. Named after its dimorphic conidiomata.

Mycelium consisting of pale to brown, septate, branched, smooth, 2–3 μm diam hyphae, at times with intercalary chlamydospore-like cells. Conidiomata vary from immersed pycnidia to superficial sporodochia, opening by irregular rupture of wall, globose to irregular; conidiomatal wall not clearly distinguishable, consisting of globose, aseptate, medium brown cells that are densely aggregated but not clearly attached, forming conidia inwardly towards centrum of conidioma. *Conidio*

genous cells dissolving early, aggregated, hyaline to pale brown, smooth, ampulliform to globose, $4-6\times 4-5~\mu m$, with inconspicuous terminal, phialidic openings. Conidia solitary, pale brown when immature, becoming dark brown, roughened to warty, golden to dark brown, medianly 1-distoseptate, thickwalled, ellipsoid, constricted at septum, with obtuse ends, and flattened basal scar.

Type species. Dimorphiopsis brachystegiae. MycoBank MB805832.

Dimorphiopsis brachystegiae Crous, sp. nov.

Etymology. Named after the host from which it was collected, Brachystegia.

Originally isolated as a coelomycetous fungus from leaves of Brachystegia spiciformis. Mycelium consisting of pale to brown, septate, branched, smooth, 2-3 µm diam hyphae, at times with intercalary chlamydospore-like cells. In culture conidiomata immersed in agar or superficial (sporodochial), opening by irregular rupture of wall, up to 400 µm diam, globose to irregular; conidiomatal wall not clearly distinguishable, consisting of globose, aseptate, medium brown cells that are densely aggregated but not clearly attached, forming conidia inwardly towards centrum of conidioma. Conidiogenous cells dissolving early, aggregated, hyaline to pale brown, smooth, ampulliform to globose, $4-6 \times 4-5 \mu m$, with inconspicuous terminal, phialidic openings. Conidia solitary, pale brown when immature, becoming dark brown, roughened to warty, golden to dark brown, medianly 1-distoseptate, thick-walled, ellipsoid, constricted at septum, with obtuse ends, and flattened basal scar, 1 μ m diam, (8–)9–10(–11) × (6–)7(–8) μ m.

Culture characteristics — Colonies spreading, erumpent, with no aerial mycelium, and smooth, lobate margins. On OA, PDA and MEA greenish black; colonies reaching 20 mm diam after 2 wk at 25 $^{\circ}$ C.

Typus. Zambia, -16.46045 27.52961, on leaves of *Brachystegia spiciformis* (*Fabaceae*), 28 Mar. 2013, *M. van der Bank* (holotype CBS H-21430, culture ex-type CPC 22679, 22680 = CBS 136422, ITS sequence GenBank KF777160, LSU sequence GenBank KF777213, MycoBank MB805833).

Notes — It is debatable if this odd fungus is a coelomycete or hyphomycete. On PNA it is a hyphomycete with sporodochia on sterile pine needles, but a coelomycete with immersed conidiomata in the water agar. As we could not locate a description of any morphologically similar fungus, we describe it here as new.

Based on a megablast search of NCBIs GenBank nucleotide database, the closest hits using the LSU sequence are *Lophiostoma quadrisporum* (GenBank AB619011; Identities = 814/860 (95 %), Gaps = 3/860 (0 %)), *L. fuckelii* (GenBank GU385192; Identities = 851/900 (95 %), Gaps = 3/900 (0 %)) and *L. alpigenum* (GenBank GU385193; Identities = 850/901 (94 %), Gaps = 4/901 (0 %)). Only distant hits were obtained with species of *Lophiostoma* using the ITS sequence, e.g. *L. macrostomum* (GenBank EU552140; Identities = 511/635 (80 %), Gaps = 45/635 (7 %)), *L. fuckelii* (GenBank EU552139; Identities = 488/606 (81 %), Gaps = 46/606 (7 %)) and *L. arundinis* (GenBank AJ496633; Identities = 464/577 (80 %), Gaps = 31/577 (5 %)).

Colour illustrations. Brachystegia spiciformis in Zambia (photo credit: Olivier Maurin). Conidiomata on OA, conidiogenous cells and conidia. Scale bars = 10 μ m.