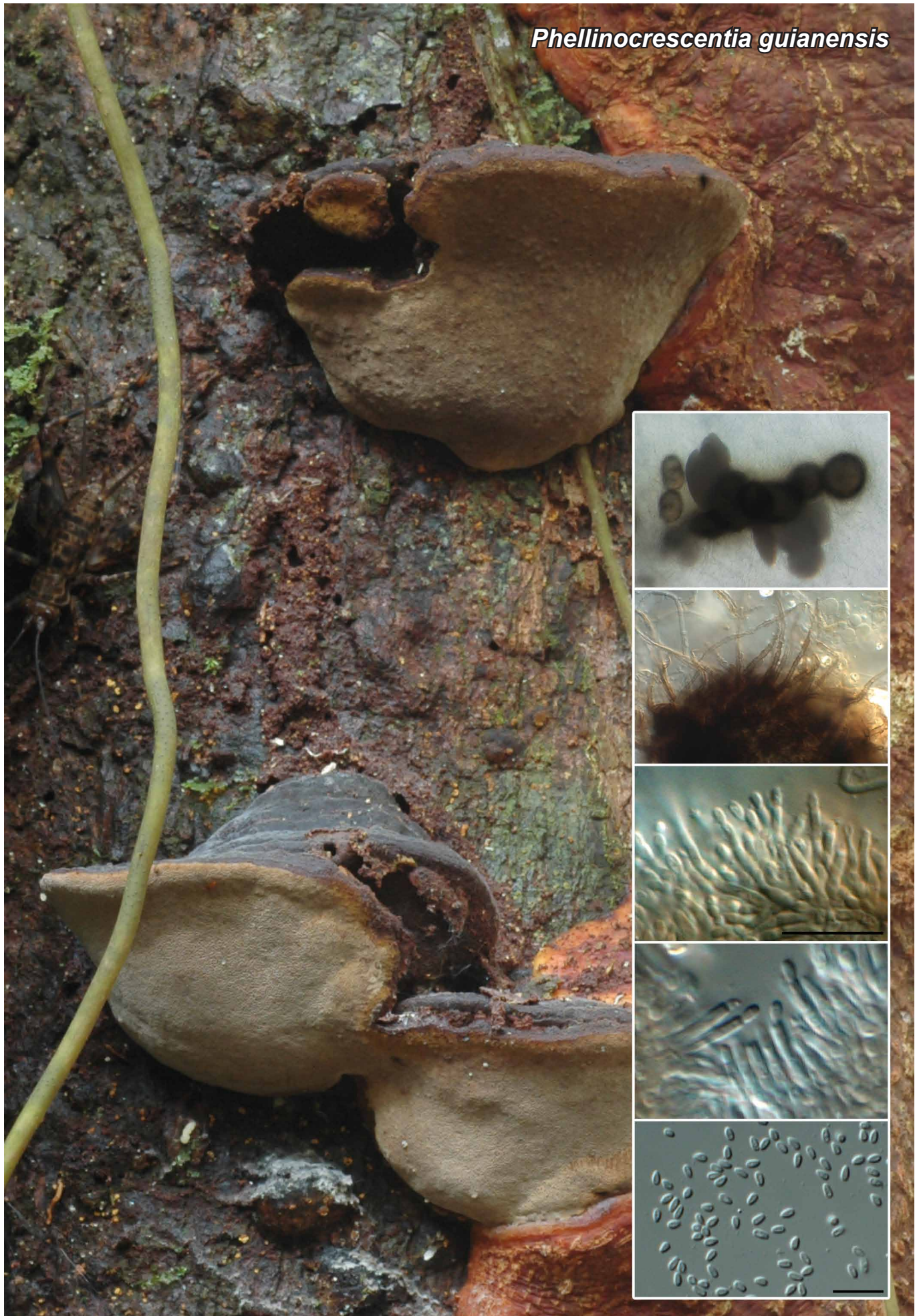


Phellinocrescentia guianensis



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Phellinocrescentia Crous & Decock, *gen. nov.*

Etymology. L. = *crescit*, growing on, referring to its ecological habit, growing on *Phellinus*.

Conidiomata pycnidial, globose, solitary or aggregated, uni- to multilocular, with central ostiole; wall consisting of 3–6 layers of brown *textura angularis*; outer surface covered in brown, warty hyphae. *Conidiophores* reduced to conidiogenous cells or a supporting cell. *Conidiogenous cells* lining the inner cavity, hyaline,

smooth, tightly aggregated, subcylindrical, straight to curved, phialidic with periclinal thickening. *Conidia* aseptate, solitary, hyaline, smooth, guttulate, thin-walled, ellipsoid to tear-drop-shaped.

Type species. *Phellinocrescentia guianensis*.
MycoBank MB810600.

Phellinocrescentia guianensis Crous & Decock, *sp. nov.*

Etymology. Name reflects the locality, French Guiana, where this species was collected.

Conidiomata pycnidial, globose, solitary or aggregated, uni- to multilocular, up to 220 µm diam, with central ostiole; wall consisting of 3–6 layers of brown *textura angularis*, becoming hyaline towards inner centrum; outer surface covered in brown, warty hyphae, 3–4 µm diam. *Conidiophores* reduced to conidiogenous cells or a supporting cell. *Conidiogenous cells* lining the inner cavity, hyaline, smooth, tightly aggregated, subcylindrical, straight to curved, phialidic with periclinal thickening, 5–12 × 1.5 µm. *Conidia* aseptate, solitary, hyaline, smooth, guttulate, thin-walled, ellipsoid to tear-drop-shaped, (2.5–)3(–4) × 1.5 µm.

Culture characteristics — Colonies reaching 7 mm diam after 2 wk at 25 °C in the dark, surface folded, with sparse aerial mycelium and even, lobed margins. On MEA surface a mixture of dirty white and olivaceous-grey, reverse olivaceous-grey. On OA and PDA olivaceous-grey.

Typus. FRENCH GUIANA, on polypore No. 742 (*Phellinus* sp.), 12 July 2013, C. Decock (holotype CBS H-21988, culture ex-type CPC 23600 = CBS 138913; ITS sequence GenBank KP004454, LSU sequence GenBank KP004482, MycoBank MB810601).

Notes — The strain was found growing on the sporocarp of a *Phellinus* sp. and isolated by plating it on malt agar. *Phellinocrescentia guianensis* is phoma-like in morphology, but distinct in having solitary or aggregated, uni- to multilocular conidiomata, and ellipsoid to tear-drop-shaped conidia. It also has a unique ecological habit, growing on basidiocarps of a *Phellinus* sp. It was not possible to assign a genus to this fungus based on phylogenetic inference and the new genus, *Phellinocrescentia*, is introduced to accommodate it.

ITS. Based on a megablast search of NCBI's GenBank nucleotide database, the closest hits using the ITS sequence are *Didymosphaeria futilis* (GenBank EU552123; Identities = 470/574 (82 %), Gaps = 38/574 (6 %)), *Funbolia dimorpha* (GenBank JF951136; Identities = 362/424 (85 %), Gaps = 15/424 (3 %)) and *Geomyces pannorum* var. *asperulatus* (GenBank AJ938166; Identities = 329/395 (83 %), Gaps = 25/395 (6 %)).

LSU. Based on a megablast search of NCBI's GenBank nucleotide database, the closest hits using the LSU sequence are *Pseudopassalora gouriqua* (GenBank JN712565; Identities = 743/790 (94 %), no gaps), *Heleiosa barbatula* (GenBank GU479787; Identities = 735/793 (93 %), Gaps = 5/793 (0 %)) and *Funbolia dimorpha* (GenBank JF951156; Identities = 729/790 (92 %), Gaps = 1/790 (0 %)).

Colour illustrations. Basidiomata of *Phellinus* sp. on a dead standing tree in French Guiana; conidiomata in agar, warty hyphae, conidiogenous cells and conidia. Scale bars = 10 µm.

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