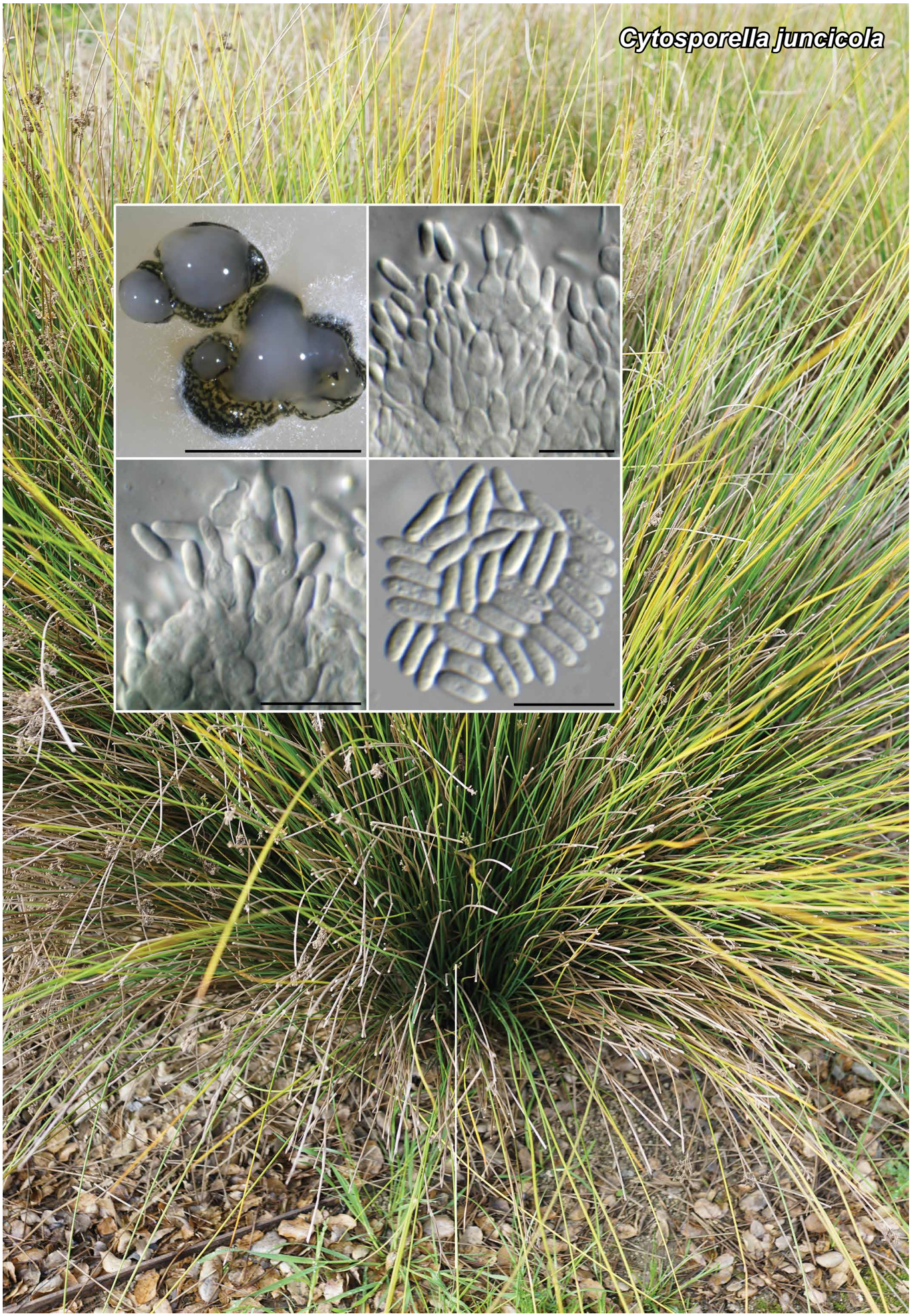
Cytosporella juncicola

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Cytosporella juncicola Crous, *sp. nov.*

Etymology. Name refers to the host genus *Juncus* from which it was isolated.

Classification — *Acarosporaceae*, *Acarosporales*, *Lecanoromycetes*.

Conidiomata flat, erumpent, separate, eustromatic, brown, upper layer disintegrating at maturity, becoming acervular, up to 2 mm diam, exuding a creamy conidial mass. *Conidiophores* reduced to conidiogenous cells lining the inner cavity, hyaline, smooth, but green olivaceous in mass, ampulliform, phialidic, 5–7 × 3–4 µm. *Conidia* solitary, aseptate, hyaline, guttulate, smooth, cylindrical, straight, apex obtuse, base bluntly rounded, (4–)5–6(–7) × 2 µm on SNA.

Culture characteristics — Colonies erumpent, spreading, surface folded, with sparse aerial mycelium and smooth, lobate margin, reaching 12 mm diam after 2 wk at 25 °C. On MEA, PDA and OA surface buff with patches of cinnamon, reverse buff to rosy buff.

Typus. USA, California, Davis, UC Davis, on culms of *Juncus effusus* (*Juncaceae*), 2 Apr. 2019, *P.W. Crous*, HPC 2894 (holotype CBS H-24208, culture ex-type CPC 38040 = CBS 146071, ITS, LSU and *tef1* sequences GenBank MN562153.1, MN567660.1 and MN556834.1, MycoBank MB832913).

Notes — *Cytosporella* has eustromatic conidiomata, opening by irregular dehiscence, branched phialidic conidiophores, and hyaline, aseptate, thin-walled, ellipsoid conidia (Sutton 1980). Although the taxonomy of *Cytosporella* is still in flux, the present collection is tentatively placed in this genus.

Based on a megablast search of NCBIs GenBank nucleotide database, the closest hits using the **ITS** sequence had distant hits with *Neoacrodontiella eucalypti* (strain CBS 145561, GenBank MK876396.1; Identities = 374/427 (88 %), 24 gaps (5 %)), *Corticifraga peltigerae* (strain RP282, GenBank KY661634.1; Identities = 268/289 (93 %), 9 gaps (3 %)), and *Taitaia aurea* (voucher TU 56326, GenBank NR_160480.1; Identities = 197/203 (97 %), 1 gap (0 %)). Closest hits using the **LSU** sequence are *Cytosporella chamaeropis* (strain CBS 355.71, GenBank MH871929.1; Identities = 806/808 (99 %), no gaps), *Acarospora thamnina* (voucher DS8352, GenBank KF024746.1; Identities = 522/535 (98 %), 2 gaps (0 %)), and *Neoacrodontiella eucalypti* (strain CBS 145561, GenBank MK876437.1; Identities = 775/826 (94 %), 4 gaps (0 %)). Closest hits using the ***tef1*** sequence had highest similarity to *Julella fallaciosa* (strain MPN141, GenBank JN887424.1; Identities = 376/429 (88 %), 10 gaps (2 %)), *Lophodermium resinosum* (strain DAOMC 251482, GenBank KY702582.1; Identities = 404/461 (88 %), 7 gaps (1 %)), and *Monilinia fructicola* (strain DH41, GenBank KT900540.1; Identities = 406/466 (87 %), 14 gaps (3 %)).

Colour illustrations. Culms of *Juncus effusus* in California. Conidiomata on oatmeal agar; conidiogenous cells and conidia. Scale bars = 2 mm (conidiomata), 10 µm (all others).

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