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Four new nodulose-spored species of *Inocybe* (Agaricales) from West Africa

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Abstract

We describe four new nodulose-spored species of *Inocybe* from tropical regions of Africa: *I. beninensis*, *I. flavipes*, *I. fuscobrunnea* and *I. pallidiangulata*. The new species are recognised based on morphological data and phylogenetic analyses of ITS, 28S and *RPB2* sequences. Phylogenetic analyses indicated that *I. flavipes* and *I. beninensis* are part of a subclade leading to the *I. calida* group. *Inocybe fuscobrunnea* appears sister to the *I. asterospora* group. *Inocybe pallidiangulata* is nested within a clade of mainly tropical species from South Asia, Africa, and South America, close to the subclade of *I. lilacinosquamosa* and *I. ayangannae* from Guyana. Complete descriptions and illustrations, including photographs and line drawings, and a key to nodulose-spored taxa of tropical African species of *Inocybe* are provided.

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