

Fungi Associated with *Pandanaceae*

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This book is dedicated to my parents, John and Marjorie Hyde, in gratitude for their love and support. I hope they can stay with us for many more years.

This book is the result of an excellent study by a Ph.D. student, Steven Whitton, at the University of Hong Kong from 1996 to 2000. However, this book could not have been published without the continuous friendship and collaboration between Eric McKenzie and myself. Our journey through Asia has not to any extent been dull, and no one can accuse we mycologists of being dull boys.

Kevin D. Hyde

Abstract

The microfungi on *Pandanaceae* are reviewed in this book, including the current understanding, the host, their distribution, taxonomy and genera. Methodology includes collection sites, collection methodology, handling material and methodology for examining microfungi. Records for 114 genera and 226 species are provided, and keys to many anamorphic genera are also given. One new genus of ascomycetes *Callerascus* is introduced. New species of ascomycetes introduced are: *Arachnopeziza lachnoides*, *Callerascus caerulitunicatus*, *Capsulospora pacifica*, *Crocicreas novae-zelandiae*, *Ornatisporanepalensis*, *Ornatispora novae-zelandiae*, *Lachnellula bruneiensis*, *Melanopsamma monocilliata*, *Nectriopsis anthostomellicola*, *Niesslia cinctiostiolata*, *Niesslia kapitiana*, *Niesslia pacifica*, *Niesslia philippinensis*, *Niesslia vaginata*, *Niptera purpurascens*, and *Peristomialis cellularis*. New genera of anamorphic fungi introduced are: *Dichotophora*, *Ramicapitulum* and *Sporotretophora*, and new species are: *Arthrowallema lammaensis*, *Berkleasmium atroapicale*, *Cryptophialefruticetum*, *Cryptophialehamulata*, *Dichotophora aetosa*, *Dichotophora setiramosa*, *Dictyosporium acroinflatum*, *Dictyosporium pandani*, *Endophragmiella pandani*, *Endophragmiella queenslandica*, *Gliomastix pandani*, *Hemicorynespora mauritiana*, *Ityorhoptrum sphaericosporum*, *Mycoleptodiscus freycinetiae*, *Ramicapitulum chinense*, *Ramoconidiifera seychellensis*, *Spadicoides australiensis*, *Spegazzinia cruciata*, *Sporotretophora punctata* and *Thozetella serrata*. The new combination *Berkleasmium monilicellulare* and new name *Ramoconidiifera neonominata* are also proposed. In this study, about 575 specimens are recorded and deposited in herbaria. An overview of anamorphic fungi is also provided.

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