

THE MYCOTA Esser (Ed.)

The Series

The fungi represent a heterogeneous assemblage of eukaryotic microorganisms and have become favored organisms for research at the cellular and molecular level. Such research involvement has been stimulated by interest in the biotechnological application of fungi in processes related to industry, agriculture and ecology. Considering both yeasts and mycelial fungi, THE MYCOTA highlights developments in both basic and applied research and presents an overview of fungal systematics and cell structure. Foremost authorities in research on mycology have been assembled to edit and contribute to the volumes.

This Volume

Growth, Differentiation and Sexuality · 2nd Edition
Kües · Fischer (Eds.)

Since publication of the first edition of Volume I in 1994, the field of fungal biology has developed tremendously, mainly through the advancement of various molecular techniques and international fungal genome projects. To accommodate these developments, the second edition has been completely updated. Five chapters have been revised by former authors, others by newly recruited experts, and also novel subjects, emerged in more recent years, have been added to the book.

The second edition of Volume I includes:

Cellular and colony growth of fungi; cellular fusion and incompatibility; senescence and programmed cell death; environmental and physiological signalling in differentiation processes; asexual and sexual reproduction; mitosis and meiosis of various types of fungi.