

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

Biochemistry and Molecular Biology · 2nd Edition
Brambl · Marzluf (Eds.)

Since publication of the first edition of Volume III in 1996, a number of areas in fungal biochemistry and molecular biology have both expanded and rapidly advanced, especially those areas that incorporate the new resource of genomics. In light of these developments, all the chapters of this new edition have been fully revised and completely updated. Still further, the text now contains eleven new chapters, which cover either new topics or have been written by new contributing authors.

The second edition of Volume III includes:

Biochemistry and molecular genetics; regulation of gene expression; organelle biogenesis; response factors influencing metabolism; molecular biology of carbohydrates and lignin; molecular aspects of biochemical pathways.