

Praise for the First Edition:

"...an important volume. ...a comprehensive review of the state of our knowledge about how fungi function as individuals, populations, and members of the global economy of nature. Maheshwari has done an exemplary job. ...the integration of information from such a broad area and the general clarity of presentation found in this volume deserve wide readership among mycologists, plant pathologists, geneticists, and molecular biologists."



—David S. Yohalem, East Malling Research, Kent, UK

"The book is simply written and easy to digest, which is aided by the consistent editorial style throughout the book."

—N. Louise Glass, *Mycopathologia*, 2006

"This book, in describing the modernization of mycology that has come from advances in biochemistry, genetics, and molecular biology, will serve as an excellent introduction and reference for students and investigators As such, the book sets an agenda for fungal research in the 21st century."

—Rowland H. Davis, University of California, Irvine

"It should prove useful both for undergraduate students and postgraduate researchers."

—David J. Adams, *Microbiology Today*

Fungi are now at the forefront of research on mechanisms in gene silencing, biological rhythm, mating processes, biogenesis of intracellular organelles, adaptations to hostile habitats, structure of natural populations, and speciation. The ease with which yeasts and fungi can be cultivated in simple nutritive media has made these eukaryotic organisms the choice material for basic and applied research. Following in the footsteps of its highly-praised predecessor, **Fungi: Experimental Methods in Biology, Second Edition** continues to be a comprehensive review of the state of our knowledge about how fungi function. Extensively revised and updated, this second edition includes a glossary and new chapters on spores' dormancy, germination, and uses; fungi as scavengers; and fungi as chemical factories.

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711 Third Avenue
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