

This new edition of the universally acclaimed and widely used textbook on fungal biology has been completely re-written, drawing directly on the authors' research and teaching experience. The text takes account of the rapid and exciting progress that has been made in the taxonomy, cell and molecular biology, biochemistry, pathology and ecology of the fungi.

The different groups of fungi are presented in a taxonomic context, reflecting recent revolutionary progress in classifications based on molecular phylogeny, with supplementary information from ultrastructure and physiology. The emphasis throughout is on whole-organism biology from an integrated, multidisciplinary perspective. Features of taxonomic relevance are integrated with natural functions, including their relevance to human affairs. Special emphasis is placed on strategies to control pathogens of humans and plants, providing a vital link between studies of taxonomic aspects and applied mycology. The organisms described in detail are generally those which students are likely to encounter, or which are of particular biological significance.

The book is richly illustrated throughout with specially prepared drawings and photographs based on living material. Illustrated life cycles are provided, and technical terms are clearly explained. Extensive reference is made to recent literature and developments. This comprehensive textbook is suitable for students and researchers in biology, mycology, microbiology, horticulture, agriculture, plant pathology, medicine and biotechnology.

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Cover illustration: 1. *Paxillus involutus* basidiocarps infected by the mycoparasitic mould *Apiocrea chrysosperma*. 2. Basidiocarps of *Coprinus comatus*. 3. The lichen *Cladonia floerckiana*. 4. Peritheciium of *Chaetomium globosum*. 5. Sporangioophore of *Pilobolus crystallinus*.

Designed by Sue Watson

CAMBRIDGE
UNIVERSITY PRESS
www.cambridge.org

ISBN 0-521-01483-2



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