This newly updated edition covers a wide range of topics relevant to fungal biology, appealing to academia and industry.

Fungi are extremely important microorganisms in relation to human and animal wellbeing, the environment, and in industry. The latest edition of the highly successful *Fungi: Biology and Applications* teaches the basic information required to understand the place of fungi in the world while adding three new chapters that take the study of fungi to the next level. Due to the number of recent developments in fungal biology, expert author Kevin Kavanagh found it necessary to not only update the book as a whole, but to also provide new chapters covering Fungi as Food, Fungi and the Immune Response, and Fungi in the Environment.

Proteomics and genomics are revolutionizing our understanding of fungi and their interaction with the environment and/or the host. Antifungal drug resistance is emerging as a major problem in the treatment of fungal infections. New fungal pathogens of plants are emerging as problems in temperate parts of the world due to the effect of climate change. *Fungi: Biology and Applications, Third Edition* offers in-depth chapter coverage of these new developments and more—ultimately exposing readers to a wider range of topics than any other existing book on the subject.

- Includes three new chapters, which widen the scope of fungi biology for readers

- Takes account of recent developments in a wide range of areas including proteomics and genomics, antifungal drug resistance, medical mycology, physiology, genetics, and plant pathology

- Provides extra reading at the end of each chapter to facilitate the learning process
Fungi: Biology and Applications is designed for undergraduate students, researchers, and those working with fungi for the first time (postgraduates, industrial scientists).

ABOUT THE AUTHOR

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