

applied mycology

Edited by

Mahendra Rai and Paul D. Bridge

The fungal kingdom consists of a wide variety of organisms with a diverse range of forms and functions. Fungi have been utilized for thousands of years and their importance in agriculture, medicine, food production and the environmental sciences is well known. New advances in genomic and metabolomic technologies have allowed further developments in the use of fungi in industry and medicine, increasing the need for a compilation of new applications, developments and technologies across the mycological field.

Applied Mycology brings together a range of contributions, highlighting the diverse nature of current research. Chapters include discussions of fungal associations in the environment, agriculture and forestry, long established and novel applications of fungi in fermentation, the use of fungi in the pharmaceutical industry, the growing recognition of fungal infections, current interests in the use fungal enzymes in biotechnology and the new and emerging field of myconanotechnology. Demonstrating the broad coverage and importance of mycological research, this book will be of interest to researchers and students in all biological sciences.

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