

about the book . . .

This **practical resource** offers a **concise guide** to the combined use of classical and molecular methods for the genetic analysis and breeding of fungi—presenting basic concepts and experimental designs *and* demonstrating the power of fungal genetics for applied research in biotechnology and phytopathology.

Addressing **each major topic** in the manipulation and analysis of fungi, *Fungal Genetics* explains genetic processes...examines spontaneous mutations, mutation induction, and the isolation and characterization of mutants...discusses sexual and parasexual genetic analysis...details physical karyotypes and restriction fragment analysis...describes the organization of genetic material in fungal nuclei as well as meiotic and mitotic processes...compares genetic mapping techniques and breeding strategies...and more.

Written by over 25 international experts representing nine countries and containing nearly 1000 bibliographic citations, *Fungal Genetics* is an **indispensable reference** for mycologists, microbiologists, phytopathologists, biotechnologists, biochemists, molecular and cell biologists, geneticists, botanists, plant physiologists and pathologists, microbial and fungal ecologists, and upper-level undergraduate and graduate students in these disciplines.

about the editor . . .

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