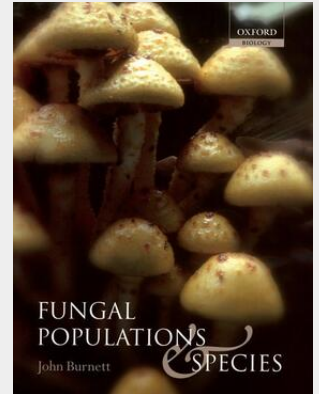


Burnett

Fungal Populations and Species

The population genetics and speciation of fungi is a rapidly developing field, heavily dependent upon the use of molecular markers. This text describes the methodologies employed in this area and, for the benefit of the non-mycological reader, a brief introduction to basic fungal biology. The population genetics and speciation of fungi is a rapidly developing field, heavily dependent upon the use of molecular markers. This text describes the methodologies employed in this area and, for the benefit of the non-mycological reader, a brief introduction to basic fungal biology. Recent findings relating to processes in fungal populations - mutation, migration, recombination, heterokaryosis, hybridization, polyploidy and the operation of selective forces are combined with traditional fungal biology. Finally the taxonomic problems raised by fungal species are discussed, together with the processes of speciation. Basic Mycology 1: Elements of classification, structure, sexuality, biology and genetics of Fungi; Methodology 2: Genetic markers for population studies I. Morphological, physiological and cytological markers; 3: Genetic markers for population studies II.



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