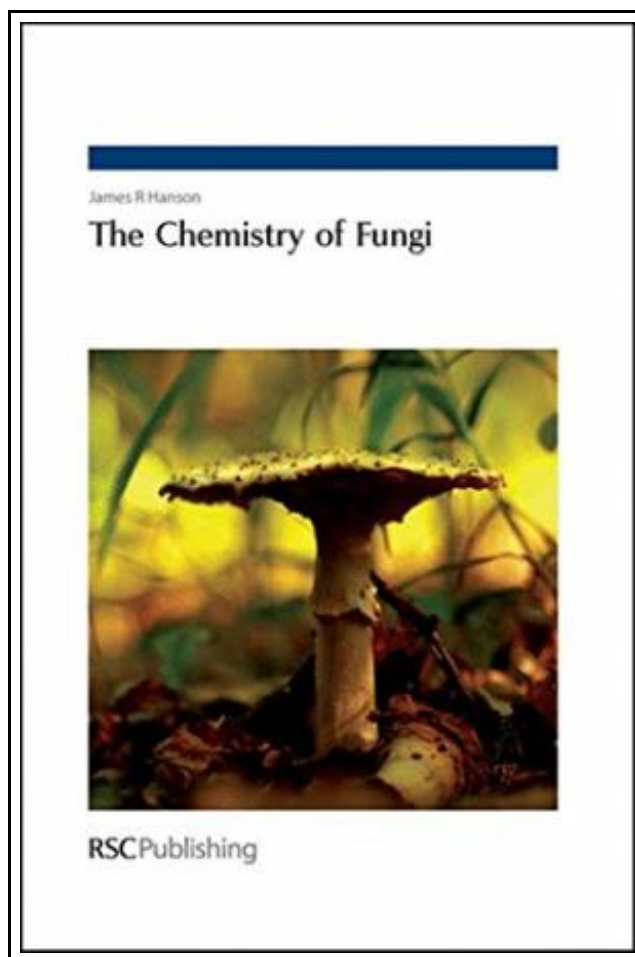


The Chemistry of Fungi



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Reviews

This publication is definitely not simple to begin on studying but quite fun to see. It really is full of knowledge and wisdom I am just effortlessly can get a satisfaction of studying a created pdf.
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THE CHEMISTRY OF FUNGI



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Royal Society of Chemistry. Hardback. Book Condition: new. BRAND NEW, The Chemistry of Fungi, James R. Hanson, Fungi occupy an important place in the natural world, as non-photosynthetic organisms, they obtain their nutrients from the degradation of organic material. They use many of their secondary metabolites to secure a place in a competitive natural environment and to protect themselves from predation. The diverse structures, biosyntheses and biological activities of fungal metabolites have attracted chemists for many years. Fungi are ubiquitous and their activities affect many aspects of our daily lives whether it be as sources of pharmaceuticals and food or as spoilage organisms and the causes of diseases in plants and man. The chemistry of the fungi involved in these activities has been the subject of considerable study particularly over the last fifty years. Although their ramifications can be large as in the spread of plant diseases, the quantities of the metabolites which could be isolated precluded much chemical work until the advent of spectroscopic methods. Whereas many natural products derived from plants were isolated prior to the 1960s on a scale which permitted extensive chemical degradation, this was rarely the case for fungal metabolites. This book is an introduction to the chemistry of fungal metabolites. The aim is to illustrate within the context of fungal metabolites, the historical progression from chemical to spectroscopic methods of structure elucidation, the development in biosynthetic studies from establishing sequences and mechanisms to chemical enzymology and genetics and the increasing understanding of the biological roles of natural products. The book begins with a historical introduction followed by a description of the general chemical features which contribute to the growth of fungi. There are many thousands of fungal metabolites whose structures are known and the book does not aim to list them all as there...



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