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TEXTBOOK OF FUNGI

Ramchandra Kushwaha



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Dr. Ramchandra Kushwaha



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Textbook of Fungi

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TEXTBOOK OF FUNGI

Fungi are living organisms that are distantly related to plants, and more closely related to animals, but rather different from either of those groups. Mycology is the study of fungi - it is a branch of biology. A mycologist studies fungi's genes, biochemical properties, their use to us as a source of food, their hallucinogenic, poisonous and pathogenic (ability to cause disease) properties. It was not until the 16th century, when the microscope was developed, that mycology became a well established science. The structures of fungi are microscopic and not visible to the naked eye. Some are unicellular like yeast, but most string their cells together in long, thread-like strands called hypha. Most fungi produce an extensive system of hyphae, which may be visible when growing thickly in a mass called mycelium (commonly referred to as mould). Mycelium can be of any size from tiny clusters to massive acre wide systems, which effectively form the feeding and growing body of the fungus. This book blends information on classical fundamental aspects with recent development in fungal systematics. The textbook of fungi presents information on the morphology, life cycle and their economic uses in human life. Special attempt has been made on the biological activities of the microbial products.



Dr. Ramchandra Kushwaha received his B.Sc. and M.Sc degree in botany from National University of Electro Complex Homeopathy, Kanpur, Uttar Pradesh and his Ph.D degree in botany from the same university. His assignment was 50% teaching and 50% research on viral diseases of fruits and vegetables. His teaching includes courses in introductory plant explorers, conservationists, ecologists, environment consultants, horticulturist, plant biochemist, nursery manager, genetics, molecular biologist, taxonomist, plant pathologist and disease of florist's crops. He has published various scientific articles or in different magazines and scientific Journals. At present he is working as assistant professor in St. Krishna Institute of Engineering and Technology, Urai, Uttar Pradesh.

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