



MEDICAL MICROBIOLOGY AND IMMUNOLOGY

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Medical Microbiology and Immunology

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Preface

The present book on medical microbiology and immunology is fourth in the series written to cater the beginners in microbiology. The syllabus mainly covers common core syllabus of B.Sc. Microbiology students of Andhra Pradesh and Telangana Universities and it also meets the requirements of pharmacy and basic Biotechnology of many Indian Universities. Initially, Microbiology mainly dealt with harmful activities especially as causative agents of diseases of man and animals, and popularly called as enemies of man. However, subsequent strides in the understanding of these organisms enlightened their other side beneficial activities and they got the name as an 'essential friends of man. Further, knowledge on these helped man to check effectively the disease-causing activities of microorganisms, which lead to the development of distinct discipline called as medical microbiology.

The present book deals with the diseases caused by the microorganisms and ways to protect man from them. The methods of detection and diagnosis of diseases caused by these organisms formed a separate chapter. The process of infection, and mechanism of disease, cause, epidemiology and methods of control formed the nucleus of the book.

Immunology constitutes second part of the book. It discusses basic concepts of immunity, organs of immunity, antigen and antibodies interaction. It also discusses autoimmunity and hypersensitivity.

Every effort is made to make the subject matter simple. The language written is lucid supported by neat diagrams. The necessary information is precised in tabular form. Question bank is given at the end of every chapter for self evaluation and to learn the subject perceptibly.

The work of this magnitude needs an unstinted cooperation from different persons who deserve our whole-hearted thanks and gratitude. We are fully conscious of the fact that science subject is never final and it changes with more and more studies. We earnestly request the students and teachers alike for their constructive criticism and valuable suggestion, which will help to make the book perfect and acceptable to one and all, and serve the student community for long time to come. We thank M/s Scientific Publishers, Jodhpur for their sustained interest in the publication of this book neatly and timely.

Authors

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