

Book Review

Microbiology by Professor Dushyant Kumar Sharma, Department of Zoology, Govt. Model Science College, Gwalior, M.P., India Published by Narosa Publishing House, New Delhi, India. Price: Rs. 395. ISBN: 978-81-8487-196-8. Publication Year: 2013. Binding: Paper Back Pages: 518



Microbiology, one of the fastest growing areas of science today. Microbiology refers to the study of organisms so small that they must be viewed with a microscope. These organisms are primarily bacteria, yeasts, molds, and viruses. Microorganisms play very important roles in our life. In fact, they have become a part of our life.

Microorganisms not only benefit society by cycling inorganic and organic matter into molecules needed for life and detoxifying discarded wastes but they have been serving as microscopic factories for the production of cheeses, alcohol and antibiotics for a long time. They have also been engineered to produce a wide variety of products for our benefit through the emergence of biotechnology. However, microorganisms also inflict great distress to human, animal and plant populations through disease, spoilage of crops, foods and the fouling and degradation of man-made structures. Microbiology is the study of microorganisms in all aspects. It is an integral part of molecular biology, the study of cellular information, which applies to all of biology.

To comprehend the subject like microbiology, it is essential to study it in all its aspects. Though a large number of books are available on the subject but none of them is able to fulfil the basic requirements of the students. There was a need for a book which is simple yet concise, covering all essential concepts. The present book under review is a right choice in these aspects. It presents a unique approach to understand the fundamentals and emerging trends of microbiology.

The book has 25 chapters, divided into six parts. The first part deals with the study of tools and techniques in microbiology. The second part describes microbial world- the classification, structure and organization of microbes. The third part is about microbial growth and genetics. The fourth part focuses on environmental and applied microbiology. The fifth parts describes microbiology in relation to health. The sixth part deals with the control of microorganisms.

A distinctive feature of the book is the use of a large number of simple, well labelled and self-explanatory illustrations which will not only help the students to understand various concepts but also be able to create an interest and zeal for the subject.

As the paper and printing qualities are concerned, they are excellent and the price of the book is most appropriate. In my opinion the book will be able to refresh, deepen and systematize the knowledge of the students, researchers and all other readers who have a keen interest in the subject.

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