

MODERN CONCEPTS OF BIOTECHNOLOGY

H D KUMAR

This text caters to the needs of undergraduate students of science, agriculture, technology and medicine, and readers from a very diverse background with special reference to those in developing countries where current literature in emerging facets of biotechnology and allied disciplines is quite often either not available or not accessible. The book covers virtually all aspects of biotechnology — traditional and modern — in a concise and well-illustrated manner. Most aspects of plant, animal, and microbial biotechnology have been dealt with adequately. Recent developments in the field have also been included in the book. Chapters on developing countries and regulatory issues have been added to the book to reflect the growing interest and concern of the general public as well as enforcement agencies with intellectual property rights, patenting, and trade-related matters. Special treatment is given to agricultural biotechnology, e.g., transgenic plants and animals and their use for human welfare.

The book includes a glossary of useful terms, some sample questions and answers, and a short list of recent literature for supplementary reading.

H D KUMAR (Ph.D., London, 1963) has taught courses in microbial biotechnology and modern life sciences to students at several universities in India and abroad.

A fellow of all the three leading science academies of India, Prof. Kumar has been Coordinator of the multifaculty biotechnology programme at Banaras Hindu University. He has widely travelled and lectured in many countries. He has held visiting professorships at Nara Women's University and University of Tokyo (Japan), and Philipps University, Marburg (Germany). He is the author / co-author of over 175 papers and 15 books, including the widely-acclaimed *Modern Concepts of Ecology* (8th ed), *Modern Concepts of Microbiology*, *General Ecology*, and *Molecular Biology* (3rd), all published by 'Vikas'. He is a member of the International Editorial Board of the *Journal of Microbiology and Biotechnology* (Springer Verlag).

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