

# MOLECULAR BIOLOGY

Second Revised Edition

**H D Kumar**

## The book...

is a choice selection of exciting topics in molecular biology organized in a logical sequence starting with a historical and biochemical background, progressing through the structure and functions of nucleic acids, the role of nucleic acids in protein synthesis (including transcription and translation of genetic information) and culminating in a concise account of our current knowledge about genes and genomes. While the close interlinkages amongst cell biology, biochemistry and molecular genetics in weaving the fabric of general molecular biology can be seen throughout the book, the electron microscopic aspects, usually termed supramolecular biology, have been avoided so as to enhance utility of the text for students in developing countries including India. The textbook has a glossary of useful terms and a list of recent books and papers for supplementary reading and reference. A short summary of some important points and rules of molecular biology is given at the end of each chapter for quick reference.

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*The text is profusely illustrated and should meet the needs of students of BSc (Hons) and MSc in a variety of biological, medical, biochemical, genetical, agricultural and allied disciplines.*

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## The Author...

**Har Darshan Kumar** (PhD, London, 1963) has taught algal biology, microbial and molecular genetics and other aspects of modern life sciences to students of several universities in India and abroad. A fellow of all the three premier science academies of India, Professor Kumar has travelled widely, lectured in many countries and has held visiting professorships in Nara Women's University and University of Tokyo, Japan and Philipps University, Marburg, Germany. He has published 175 research papers and 15 books in diverse areas including the well-known and popular books *Modern Concepts of Ecology* (now in its 8th edition) and *General Ecology*, a widely acclaimed textbook, both published under the banner of VIKAS

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