



Medical Biotechnology

By P. Nallari, V. V. Rao

OUP India. Paperback. Book Condition: new. BRAND NEW, Medical Biotechnology, P. Nallari, V. V. Rao, Medical Biotechnology is designed as a textbook for undergraduate students of biotechnology, especially those who are pursuing a course in Human Molecular Genetics. Medical Biotechnology as a separate course is offered in a few universities and is increasingly finding favour as a mainstream discipline. Medical Biotechnology is a multidisciplinary subject that brings together the combined research and applications from the fields of r-DNA technology, microbiology and medicine. The book starts with a brief overview of biotechnology and healthcare. It then goes on to describe various therapeutical techniques based on DNA, RNA and proteins. Key topics like molecular pharming, drug design and delivery, chiral technology, regenerative medicine, nanomedicine and pharmacogenomics are dealt with in great detail. Emphasis is laid on management and analysis of clinical data, various processes involving biomolecules and the use of softwares to analyze genomes and proteomes. The topics are presented in a lucid, methodical way and care has been taken to keep the level of discussion simple. The various concepts are complemented by numerous practical examples and end-chapter exercises.



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