

Advanced Lab Practices In Biochemistry & Molecular Biology

This book provides detailed information on various instruments, techniques and experiment protocols of biochemistry and molecular biology. It deals with basic as well as advanced information and in-depth methodology in simple language to help students and professionals to perform experiments with ease.

This book not only clears the practical concepts of Biochemistry and Molecular Biology at undergraduate and post-graduation levels, but also helps to pass the Ph.D. course work exam conducted by various universities. This book will develop research aptitude to clear the NET examination.

This manual gives a comprehensive idea about the various instruments, their working, troubleshooting and their applications. It provides a wide spectrum of 14 chapters covering basic as well as advanced techniques and instrumentation, viz., Gas Chromatography (GC), Mass Spectrometry (MS), Scanning Electron Microscope (SEM), X-Ray Diffraction (XRD) and Fourier Transform Infrared Spectroscopy (FTIR) with detailed protocols.

Most of the experiments can be easily performed in the laboratory having basic facilities. Historical background, experiment nature, its principle, step-by-step procedure with diagrammatic representation and important precautions are given in the beginning of each experiment.

Salient Features:

- Detailed information on various instruments, techniques and experiment protocols.
- Basic, advanced information as well as in-depth methodology.
- Wide spectrum of 14 chapters covering basic as well as advanced techniques and instrumentation.

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