

Preface

In modern applied biology, bioanalytical techniques play a very important role for all aspects. A clear understanding of the principles of modern analytical techniques is crucial to all involved in the isolation and analysis of bio-organic compounds. The objective of this book is to provide students with a comprehensive overview of current developments in bioanalytical techniques and applications of special topics in ultracentrifugation, spectrochemical analysis, including atomic and molecular spectroscopy, laser analytical methods, electron spectroscopy, microscopy and their application, analytical separation processes, with special reference to theory and practice of liquid gas chromatography including survey of modern analytical techniques used in biochemical analysis and their applications.

The second part of the book focusses on the use of various techniques related to enzyme and proteins analysis. In the third part of the book, an introduction to the combination of various techniques required for molecular biology and recombinant DNA technology is included.

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Every effort has been made to keep this volume up to date. Nevertheless pursuit for perfection is endless. Toward this goal, it becomes necessary to seek suggestion, constructive criticism and views from the readers.

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