TABLE OF CONTENTS

PREFACE

Biochemistry is the study of chemical process in Living organisms. Biochemistry governs all living organisms and living processes. By controlling information flow through biochemical signalling and the flow of chemical energy through metabolism; biochemical processes give rise to the seemingly magical phenomenon of life. Much of biochemistry deals with the structures and functions of cellular components such as proteins, carbohydrates, lipids, nucleic acids and other biomolecules although increasingly processes rather than individual molecules are the main focus. Over the last 40 years biochemistry has become so successful at explaining living processes that now almost all areas of the life sciences from botany to medicine are engaged in biochemical research. Today the main focus of pure biochemistry is in understanding how biological molecules give rise to the processes that occur within living cells which in turn relates greatly to the study and understanding of whole organisms. Biochemistry, within the clinical analysis laboratory, is one of the areas of greatest complexity for the professional. The quantity and speed of advances in this area demand a permanent effort to keep up-to-date and at the forefront in this area of work. In this complete course we offer you the possibility to achieve your qualification in a simple and very efficient way. Through the most developed teaching techniques, you will learn the theory and practice of all the advances needed to work in a clinical analysis laboratory at a high level. With a structure and plan that is totally compatible with your personal and professional life. In the era of multidisciplinary approach, the basic techniques in Biochemistry and Molecular Biology are much needed by the students of Botany, Zoology, Microbiology, Biotechnology, Fisheries, Veterinary, Pharmacology, Physiology, Medicine, Genetics, Agriculture and allied subjects both at undergraduate and postgraduate levels.

—Editor