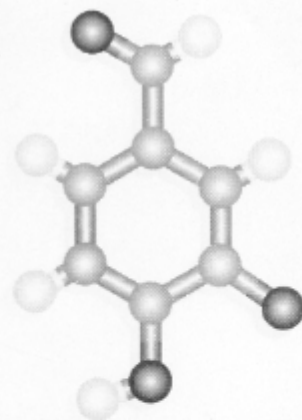




Preface

Biochemistry is concerned with the chemistry of life. It uses the principles and concepts of chemistry for elucidation of biological processes. It includes not only the study of chemical substances occurring in the living system but also the physiology of various vital processes of living beings. In recent years, biochemistry has emerged as a distinct discipline with wide applications in various fields of science. It is no more an isolated subject rather it is closely related to different branches of science.

Though a large number of books are available on the subject, there is a need for a book which could explain complicated concepts in biochemistry in a simplified manner. The present book is a sincere and humble effort in this direction. The book has been written keeping the students' need and interest in mind.

The book has been organized into four parts. The first part deals with the study of structure and functions of various biomolecules. The second part describes the metabolism of carbohydrates, lipids, proteins, nucleic acids and inborn metabolic errors. The third part briefly discusses the gene and gene expression. The fourth part focuses on the techniques commonly used in biochemistry.

I wish to express my thanks to Mr. N.K.Mehra, Narosa Publishing House, New Delhi and his wonderful team for bringing out this book in this impressive form.

I am grateful to all my colleagues and friends who have contributed, directly or indirectly, in the completion of this book

I would like to convey my thanks to my wife and children for their moral support, cooperation and encouragement.

Though every effort has been made to make the book up-to-date and free from mistakes but biochemistry is subject which is so vast and ever-expanding that there may still be some deficiencies. I would appreciate constructive criticism and suggestions from the readers.

Finally, I present this book with the hope that it will be able to develop a keen interest among the students in biochemistry.

Dushyant Kumar Sharma