

Preface

Enzymes are highly efficient and naturally occurring catalysts allowing all the Biochemical Reactions and processes of life to happen. The enzymes can also be used to drive *Chemical Reactions* outside their natural localization. Chemical Reactions facilitated by enzymes can damage or destroy the end product or which would need a too much high input of energy. Bioprocess Technology represents the integration of concepts and ideas from Biological Sciences, Engineering Disciplines, Material Sciences and Clinical Procedures.

This book covers a broad area of Fermentation Techniques, and Microbial Production. It provides a clear and in depth knowledge about the types of fermenters and its designing, operation methods, optimization methods and production of various products. The various fields of Bioprocessing including Food Bioprocessing, Pharmaceutical Bioprocessing, Enzyme Bioprocessing, Industrial Bioprocessing, Agricultural Bioprocessing, Energy Bioprocessing and Environmental Bioprocessing have been dealt with in detail.