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## Preface

This book is a summary of the research work carried out by me with my students and collaborators at the Central Food Technological Research Institute, Mysore, India. The work was carried out in a period spanning 18 years or so from 1995 onwards. The essence of the work from 70 or so publications is presented here in brief under 11 chapters.

The objective of this book is to explain the various techniques and strategies involved in enzymatic transformation reactions. Esterification of acids using lipases and glycosylation of alcohols and phenols using glycosidases are the two enzymatic reactions highlighted in this book. Both esterification and glycosylation reactions involve multifunctional substrates. Challenges using underivatised polar and nonpolar substrates in terms of product specificity/selectivity, yields and feasibility in such enzymatic reactions carried out in nonpolar media are explained with several examples of divergent multifunctional substrates. Hence, the information provided would be a source of useful information for not only established researchers but also for beginners who eye this as a potential and fruitful research area.

The author is sure that this book has brought out the trials and tribulations of carrying out enzymatic transformations clearly.



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