

Preface

Over the recent decade, advancements and applications have progressed exponentially. This has led to the increased interest in this field and projects are being conducted to enhance knowledge. The main objective of this book is to present some of the critical challenges and provide insights into possible solutions. This book will answer the varied questions that arise in the field and also provide an increased scope for furthering studies.

This book aims to elucidate the concepts and recent advances in the fields of molecular and cell biology. Molecular biology is concerned with the study of molecular structures and processes that take place within cells, while cell biology involves the study of physiological properties, structures and functions of cells. It is a compilation of relevant topics such as types of enzyme, protein structures and their functions, metabolic engineering, effect of various substances and factors on cellular activities, etc. which will provide a comprehensive understanding of the subject. Various up-to-date researches and case studies have been included in this book by experts from across the globe that explores the latest developments in these fields. Students, researchers, experts and all associated with molecular cell biology will benefit, alike, from this book.

I hope that this book, with its visionary approach, will be a valuable addition and will promote interest among readers. Each of the authors has provided their extraordinary competence in their specific fields by providing different perspectives as they come from diverse nations and regions. I thank them for their contributions.

Editor