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.

Biotechnology is a broad area of biology. It involves harnessing biomolecular and cellular processes for the creation and development of new products. A few of its major subfields are genomics, recombinant gene techniques and applied immunology. It is also used for the development of pharmaceutical therapies and diagnostic tests. One of the most significant advancements of biotechnology is the production of therapeutic proteins and other drugs through genetic engineering. This book is a valuable compilation of topics, ranging from the basic to the most complex advancements in the field of biotechnology. There has been rapid progress in this field and its applications are finding their way across multiple industries. This book is appropriate for students seeking detailed information in this area as well as for experts.

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