

PREFACE

A significant contribution has been made in different areas of microbiology that led to rapid development for purposeful exploitation of microorganisms both for human and animals such as in agriculture in the form of bioinoculants, medical and forensic sciences, diagnostics, food and dairy industries, single cell protein (SCP), fermentation industry based on bioprocess engineering and environment. This has been possible because of better understanding of molecular biology and fermentation technology. The novel ways of microbial exploitation in a diverse area has been the new achievements in microbiology that has given some hope for challenges to come in future.

The present volume contains 23 articles by experts of different fields of microbiology who have made significant contribution in the field of their respective research of national and international repute. These articles cover new approaches in major field of microbiology like fermentation, food and feed biotechnology, mycotoxin hazards, microbial inoculants for crop production (using cyanobacteria, rhizobia and VAM fungi) and crop protection (through biopesticides and mycoherbicides), bioremediation, waste-land management, molecular markers, Ti-mediated gene transfer in plants and other similar techniques in immunology and microbial ecology.

We trust that the book will be useful for the teachers, scientists, researchers and post-graduate students associated with microbiology, plant pathology, fermentation technology and microbial biotechnology.

We owe to authors for contributing their quality papers in making the book fruitful. It fills in our heart with great pleasure to acknowledge the inspiration of Prof. S.N. Chaturvedi (Agra) and Prof. R.S. Dwivedi (Varanasi) for compiling this volume. Thanks are also due to Dr. Kamal Tawri, Senior I.A.S. for constant encouragement and help. We thank Mr. Gajendra Gahlot M/S Bisen Singh Mahendra Pal Singh for untiring effort in bringing out this volume.

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