

Introduction

This fifth number of the Microbiology Book Series published by Formatex Research Center (Spain) offers the latest scientific results in antimicrobial research. Readers will find a major collection of knowledge, approaches, methods and discussions on the latest advances and challenges in antimicrobial research in a compilation of 118 chapters written by active researchers using original research materials but presented in a way accessible to a public beyond those ones who are specialists in the topic dealt.

The book was divided into the following sections:

- Antimicrobial Natural Products (volume 1)
- Biocontrol; Biosynthesis of Antimicrobials – Bacteriophages (volume 1)
- Biofilms (volume 1)
- Antimicrobial Materials Science and Surface Chemistry; Antimicrobials in Consumer Products – Antimicrobial Chemistry – Non-Antibiotic Biocides – Antimicrobial Physics (volume 1)
- Clinical and Medical Microbiology, Infectious Diseases and Antimicrobials; Public Health – Strengthening of Innate Immune System as Antimicrobial Strategy (volume 2)
- Antimicrobial Resistance; Mechanisms of Action of Antimicrobial Agents – Attenuation of Virulence as Antimicrobial Strategy (volume 2)
- Techniques and Methods (volume 2)

Clearly, this is a truly inter- and multi-disciplinary edition. Thus, pieces of research works dealing with very different academic fields were included in this book.

We hope readers will find this fifth number of the Microbiology Book Series interesting and stimulating, and look forward to receiving new proposals for the new edition in 2017.

A. Méndez-Vilas, Editor