



Challenges and Opportunities in Antibiotic Biosynthesis and Development

Guest Editor:

Prof. Dr. Jesús F. Aparicio

Department of Molecular Biology,
Universidad de León, 24071 León,
Spain

Deadline for manuscript
submissions:

closed (1 May 2022)

Message from the Guest Editor

Dear Colleagues,

Despite the available arsenal of drugs used to combat bacterial and fungal infections, these infectious diseases still constitute a leading cause of death. Several factors contribute to this scenario such as the spread of antimicrobials resistance, the rise in the number of immunocompromised and vulnerable patients, or the extended survival of patients in critical condition. Therefore, there is an urgent need for novel antimicrobials. In this context, natural products remain an invaluable source of lead compounds.

This Special Issue welcomes both research and review papers in the most recent and innovative developments of antimicrobial biosynthesis. We hope the Special Issue can further encourage and promote the scientific contributions of the researchers in this field.

Prof. Dr. Jesús F. Aparicio

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Nicholas Dixon

School of Chemistry and
Molecular Bioscience, University
of Wollongong, Wollongong, NSW
2522, Australia

Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciplines are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1
(*General Pharmacology, Toxicology and Pharmaceutics*)

Contact Us

Antibiotics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/antibiotics
antibiotics@mdpi.com
[X@antibioticsmdpi](https://twitter.com/antibioticsmdpi)