



## Ecopharmacovigilance of Antibiotics – an Essential Tool

Guest Editors:

**Dr. Leonor Meisel**

1. INFARMED, I.P.-National  
Authority of Medicines and  
Health Products, 1749-004  
Lisboa, Portugal  
2. Department of  
Pharmacological Sciences,  
Faculty of Pharmacy, University  
of Lisbon, 1649-003 Lisbon,  
Portugal

**Prof. Anabela Almeida**

Deadline for manuscript  
submissions:

**closed (30 July 2021)**

### Message from the Guest Editors

Contrasting other pharmacotherapeutic groups, safety signals could be detected and managed by the consumption of antibiotics. Thus, beyond occurrence in the environment, it is important to detect the global/regional antibioresistance or emergence of resistance genes in the environment. Accordingly, an integrated ecopharmacovigilance/pharmacovigilance may be crucial for the success of the One Health approach. Data monitoring from several sources, including hospitals, wastewater treatment plants, farms, and households, is relevant to achieve the stated goals. Effective management includes communication and minimization of risk, encompassing, among others, health professionals. The aim of this Special Issue entitled “Ecopharmacovigilance of Antibiotics—An Essential Tool” is to highlight research studies addressing and updating data monitoring, including regulatory issues, towards the rational use of antibiotics.





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](http://www.mdpi.com)

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