

## Special Issue

# The Structural and Functional Study of Efflux Pumps Belonging to the RND Transporters Family from Gram-Negative Bacteria

### Message from the Guest Editors

In this Special Issue, we would like to present up-to-date knowledge of the mechanism of these efflux pumps, the identification and characterization of RND efflux pumps from emerging pathogens and their role in antimicrobial resistance, as well as progress made on the development of specific inhibitors (including the development of in vitro or in vivo tools for inhibitor selection). This collection of data could serve as a basis for antimicrobial drug discovery aimed at inhibiting drug efflux pumps to reverse resistance in some of the most resistant pathogens.

---

### Guest Editors

Dr. Isabelle Broutin

Prof. Attilio V Vargiu

Prof. Dr. Henrietta Venter

Dr. Gilles Phan

---

### Deadline for manuscript submissions

closed (30 November 2021)



## Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/si/64233](https://mdpi.com/si/64233)

*Antibiotics*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[antibiotics@mdpi.com](mailto:antibiotics@mdpi.com)

[mdpi.com/journal/  
antibiotics](https://mdpi.com/journal/antibiotics)





# Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/journal/  
antibiotics](https://mdpi.com/journal/antibiotics)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Nicholas Dixon  
School of Chemistry and Molecular Bioscience, University of  
Wollongong, Wollongong, NSW 2522, Australia

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1  
(General Pharmacology, Toxicology and Pharmaceutics)