Special Issue

Antibiotics and Antibiotic Resistance in Aquatic Environments

Message from the Guest Editors

Dear colleagues Water is the most important element at the basis of life of all organisms which are continuously subjected to a number of pollutants, including antibiotics. Antibiotics as a pollutant of aquatic environments may may elicit toxic effects due to their intrinsic affinity for biological matrices, or they may change the structure and composition of natural microbial communities, etc. The aim of this Special Issue is to collect original research investigating the presence and effects of antibiotics and antibiotic-resistant bacteria (ARB) in water systems. We expect that this Special Issue will collect contributions investigating the presence of antibiotics and ARB in all kinds of waters (from fresh to drinkable water, from brackish to seawaters, etc.), their effects on natural and/or anthropic systems, but also new methods and procedures to identify antibiotics and ARB in waters.

Keywords: antibiotic resistance in freshwater and seawater; incidence of antibiotic resistance; prevalence of antibiotic resistance

Guest Editors

Dr. Luciana Migliore
Department of Biology, Tor Vergata University of Rome, 00133 Rome, Italy

Dr. Marco Maria D'Andrea
Department of Biology, University of "Tor Vergata", Rome, Italy

Deadline for manuscript submissions

closed (30 September 2021)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/51883

Antibiotics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antibiotics@mdpi.com

mdpi.com/journal/antibiotics

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

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 disciples 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, CAPlus / SciFinder, and other databases.

Journal Rank:

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

MDPI