Special Issue

Antimicrobial Resistance in Aquaculture: Current Knowledge and Alternatives to Tackle the Problem

Message from the Guest Editor

Aquaculture is becoming one of the most important sources of foods that provide micronutrients to human beings. However, the sustainable of aquaculture is severely threatened by antibiotic-resistant bacteria. The prevalence of antibiotic-resistant bacteria in aquaculture not only poses threats to the culture of aquatic animals, resulting in huge economic, but also potentially disseminates antibiotic-resistant genes throughout the envrionment. Due to the lack of effective measures in managing antibiotic-resistant bacteria, novel strategies are urgently needed. We have arranged the focus of this Special Issue around reports relative to the current situation of antibiotic resistance in aquculture around the world, antibiotic-resistant profiles, and emerging pathogens or any novel antibiotic-resistant mechanism. Furthermore, we also encourage content that proposes alternatives relative to currently used methodology in controlling antibiotic-resistant bacteria in aquculture, especially methods reusing currently available antibiotics or those that boost host immunity in order to win the fight aginst antibiotic resistance.

Guest Editor

Prof. Dr. Bo Peng

State Key Laboratory of Bio-Control, School of Life Sciences, Sun Yat-sen University, Guangzhou 510275, China

Deadline for manuscript submissions

closed (30 April 2022)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/96345

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