

Special Issue

Wildlife Sentinels of Antimicrobial Resistance

Message from the Guest Editor

Wild animal populations are widely acknowledged as reservoirs of AMR in natural environments. Although prevalence rates and resistance determinants' diversity are modulated by ecological constraints often particular for specific populations and geographical areas, the consolidation of the reservoir status of wild species and their contribution to the dissemination of resistance determinants renders wildlife an important key role in the AMR cycle. Dedicated and systematic surveillance focusing on the detection of resistance determinants in wild animal species have the potential to disclose anthropogenic pressures on natural habitats, track natural AMR events that can have an impact on Human and Veterinary Medicine, and estimate the risk of resistance determinants circulation from the environment to anthropogenic settings. This Special Issue aims to publish original manuscripts focusing on different aspects of the concept of wildlife as reservoirs of AMR, including surveillance programs, epidemiology, detection of novel resistance mechanisms, risk analysis, and impacts on the host. **Keywords:** wildlife; reservoir; AMR; surveillance; epidemiology

Guest Editor

Dr. Miguel Grilo

1. Egas Moniz - Cooperativa de Ensino Superior, Crl, Quinta da Granja, Monte da Caparica, Portugal
2. MARE—Marine and Environmental Sciences Centre, ISPA—Instituto Universitário de Ciências Psicológicas, Sociais e da Vida, Lisboa, Portugal

Deadline for manuscript submissions

closed (31 May 2023)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/139147

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

[mdpi.com/journal/
antibiotics](https://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](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, CAPlus / SciFinder, and other databases.

Journal Rank:

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