

## Special Issue

# Environmental Fate and Effects of Antibiotics and Antibiotic Resistance Genes

### Message from the Guest Editor

Improving our knowledge of the environmental fate of antibiotics and antibiotic resistance genes from their main sources to soil and water ecosystems is of utmost importance for halting the progression of antibiotic resistance. A holistic 'One Health' approach including humans, animals and their related environments is necessary for understanding the overall impacts of antibiotics and assessing effective mitigation measures. This Special Issue seeks manuscripts submissions which improve our understanding of the spread of antimicrobial resistance from wastewater treatment plant effluents, biosolids, organic amendments (e.g., animal manure, compost) and reclaimed water to water bodies (including drinking water) and agricultural soils.

### Guest Editor

Dr. Anna Barra Caracciolo

Istituto di Ricerca sulle Acque, Monterotondo, Italy

### Deadline for manuscript submissions

closed (31 August 2024)



## Antibiotics

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**Impact Factor 4.6**  
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## 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.

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### Editor-in-Chief

Prof. Dr. Nicholas Dixon  
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