



Monitoring the Occurrence and Distribution of Antibiotics, Antibiotic-Resistant Bacteria and Antibiotic Resistance Genes in the Environment

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Deadline for manuscript
submissions:
closed (29 February 2024)

Message from the Guest Editor

Dear Colleagues,

I would like to invite you to submit your research related to the occurrence and distribution of antibiotics, antibiotic-resistant bacteria and antibiotic resistance genes in the environment. The intensive use of antibiotics has led to the spread of antibiotics, antibiotic-resistant bacteria and antibiotic resistance genes into the environment, where they have been reported in different compartments such as water and soil. Antibiotic resistance has been studied in many areas, from a One Health perspective. However, although monitoring is being performed, there is a lack of key emerging contaminants that are associated with a higher risk and impact in ecosystems.

This Special Issue will focus on the monitoring of these emerging contaminants in the environment and their spread within the same compartment or between different compartments. This will be extremely important to target critical environmental compartments to be monitored and, ideally, to unveil a list of emerging contaminants with a higher impact in the environment to be monitored in future studies.





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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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