

Special Issue

Antibiotics in the Environment: Raising the Awareness of Humans, Animals, and General Public Health

Message from the Guest Editor

Infectious diseases are increasingly difficult to treat with antibiotics due to the resistance of bacteria to the applied antibiotics. Antimicrobial resistance (AMR) is described by the World Health Organization (WHO) as one of the greatest threats to public health in the 21st century. Antibiotics can work in different ways.

Antibiotics can enter the water supply chain in several ways: a) by throwing unnecessary drugs into the toilet; b) by throwing out unabsorbed drugs through urine and faeces into the sewage system. To exacerbate this problem, it has been scientifically proven that some drugs remain in the water even after wastewater treatment and filtration in water purification plants. Bearing in mind the above, the goal of this Special Issue is to gather researchers and scientists who are dealing with the identification of antibiotics in water or other matrixes, medical doctors, veterinarians, microbiologists, virologists, and from all other related fields, to inform and educate the population about the emergence of AMR and to raise awareness of the danger to public health and the environment.

Guest Editor

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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.

Editor-in-Chief

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