Special Issue

Antibiotics in the Environment: Causes and Consequences

Message from the Guest Editor

Antibiotics have been widely used to treat and prevent bacterial infections in humans, animals and plants. After their use in humans and animals, a significant portion of unmetabolized antibiotics pass through the body and are released through excreta (i.e., feces and urine). Many recent studies have investigated various routes of entry of these antibiotics into the environment. Antibiotics are widely detected in run-off water from farms with antibiotic-treated animals. City sewage water is also contaminated by human-derived and improperly disposed of antibiotics. Manure from drug-treated animals, as well as antibiotic-contaminated sludge and effluent from wastewater systems, further spreads antibiotics via agricultural farms and surface water. The primary scope of this Special Issue is to investigate the cause of increased antibiotics in various environments and address the consequences of increased antibiotics in the environment. For this Special Issue of *Antibiotics*, titled "**Antibiotics in the Environment: Causes and Consequences**", we invite current and innovative research related to the broad topic of antibiotics in the environment.

Guest Editor

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Deadline for manuscript submissions

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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 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.

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