



Tracking Reservoirs of Antimicrobial Resistance Genes in Environment

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Message from the Guest Editors

Dear Colleagues,

Antimicrobial resistance (AMR) is a pressing global threat that necessitates immediate and concerted action. Beyond the clinical confines, AMR genes have insidiously permeated our environment, existing in soil, water systems, and beyond. The spread of these genes is propelled by a confluence of factors: agricultural practices, urban waste, and the very fabric of global travel. To effectively track and comprehend the reach of AMR, we rely on sophisticated molecular techniques and the precision of geographic information systems.

This Special Issue plunges into the depths of environmental AMR reservoirs, illuminating how these silent sentinels are sculpting the landscape of infectious disease management. Our mission is to amplify awareness and incite proactive measures to safeguard the potency of our most vital medicinal arsenal. We warmly invite submissions that intersect with environmental AMR. It features original research that delves into the genetic underpinnings of resistance, epidemiological studies charting the genetic spread, and critical reviews that amalgamate and distil current understanding while pinpointing areas for further exploration.





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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 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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