Special Issue

Wildlife Sentinels of Antimicrobial Resistance

Message from the Guest Editor

Wild animal populations are widely acknowledged as reservoirs of AMR in natural environments. Although prevalence rates and resistance determinants' diversity are modulated by ecological constraints often particular for specific populations and geographical areas, the consolidation of the reservoir status of wild species and their contribution to the dissemination of resistance determinants renders wildlife an important key role in the AMR cycle. Dedicated and systematic surveillance focusing on the detection of resistance determinants in wild animal species have the potential to disclose anthropogenic pressures on natural habitats, track natural AMR events that can have an impact on Human and Veterinary Medicine, and estimate the risk of resistance determinants circulation from the environment to anthropogenic settings. This Special Issue aims to publish original manuscripts focusing on different aspects of the concept of wildlife as reservoirs of AMR, including surveillance programs, epidemiology, detection of novel resistance mechanisms, risk analysis, and impacts on the host. **Keywords**: wildlife; reservoir; AMR; surveillance; epidemiology

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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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