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Tackling Antimicrobial Resistance in Global Infectious Bacterial Pathogens

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Deadline for manuscript submissions:
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Message from the Guest Editors

AMR is a natural process that is exacerbated by human actions. We should conscientiously evaluate our practices that result in inappropriate antibiotic use, including in the agricultural and farming sectors. These factors drive AMR, and while much focus is directed toward nosocomial infections caused by a select group of pathogens, community infections and neglected pathogens underpin a problem that permeates the quality and even the very sustainability of our current way of life.

In this Special Issue, we highlight international research that improves our ability to brings this goal closer to reality. We share examples of the application of modern technological advances that optimize high-throughput screening approaches, novel strategies to improve the hit rates of compounds that show promise in vitro and retain activity in vivo, advances in medicinal chemical approaches to identify small-molecule inhibitors, and finally key advances in revealing new essential or virulence targets for pharmacological intervention through improved understanding of the basic biological processes that different pathogens use to cause disease, among other topics.

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Editor-in-Chief

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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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