

Special Issue

Innovative and Translational Antibiosis Approaches to Tackling Protozoan Parasites: Synergy, Drug Repurposing, Natural Products, Molecular Targets, and Therapeutic Design

Message from the Guest Editor

Protozoan neglected diseases, such as leishmaniasis, Chagas disease, African trypanosomiasis, amebiasis, and giardiasis, remain a major global health challenge. A critical limitation in current therapies is the increasing resistance of protozoan parasites to available drugs, together with frequent therapeutic failures, reflecting the global challenge of antimicrobial resistance. Therefore, this Special Issue will highlight strategies that directly address antiparasitic drug resistance, advancing the wider efforts against antimicrobial resistance but in the specific context of protozoan pathogens. This Special Issue will focus on novel therapeutic approaches to tackling protozoan parasites, emphasizing synergistic drug combinations, the repurposing of clinically approved compounds, natural products with antiparasitic activity, and the rational design of new chemical entities. By integrating drug repurposing, natural compound discovery, synergistic strategies, microbial therapies, and therapeutic design, this Special Issue will provide a comprehensive platform for advancing antibiosis research and developing safer, more effective treatments against protozoan neglected diseases.

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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