

Special Issue

Drug Discovery and Evaluation for the Treatment of Parasitic Infections

Message from the Guest Editors

The potential topics of this thematic issue can cover research papers or reviews dealing with: Screening of antiparasitic activity of secondary metabolites and other specific molecules from higher plants and low organisms on in vitro parasitic models. Rational approach to drug discovery focussing on molecules interfering with specific molecular targets in parasites (for example, inhibitors of receptors, signalling pathways, proteins of the mitochondrial respiratory chain, antioxidants or other types of enzymes, parasitic microRNAs, etc.). Compounds developed by a medicinal chemistry approach, structure-based drug discovery targeting pathogens, chemically modified molecules using natural motifs, innovative drug formulations, repurposing of drugs. Validation of the in vitro-detected antiparasitic activities of selected compounds on the experimental diseases using mouse or other models. Evaluation of the immunomodulatory effects towards the elevation of drug efficacy. Combination therapy as a means to maintain in vivo the synergistic ratio of the drugs combination by co-incorporation of both immunomodulatory and chemotherapeutic agents.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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