Special Issue

Researches on Natural Products against Parasites

Message from the Guest Editor

The global distribution of parasitic diseases has a significant impact on human health, affecting one billion people and causing around 500,000 deaths annually. Due to the absence of effective vaccines, the limited availability of chemotherapeutics and the developed resistance, the development of novel effective, safe and cost-affordable antiparasitic agents is at a high demand. Natural products such as plant secondary metabolites, including different classes of terpenoids, alkaloids, saponins and phenolics may be potential compounds to treat parasitic infections with some advantages over conventional drugs. In agreement with the literature, natural compounds seem to have both multiple antibacterial mechanisms and structure–function relationships. Hence, their applicability in clinical practice requires a multi-disciplinary approach and coordinated efforts from some science disciplines.

This Special Issue invites our colleagues to provide relevant and novel knowledge about the efficacy, safety and cost-effectiveness of different natural compounds to be regarded in the short term as alternatives to conventional drugs to treat parasitic infections.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2023)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/174377

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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