Special Issue

New Advancements in the Field of Leishmaniasis

Message from the Guest Editors

Today, an estimated 700,000 to 1 million new cases of Leishmaniasis still occur annually, with a consequent significant disease burden. We still do not understand completely the determinants of parasite transmission and disease. There is, consequently, the need, not only to better understand the individual parasite-vector, vector-host, and host-parasite interfaces in Leishmaniasis, but also to integrate them as a whole. In line with this, the aim of this Special Issue is to compile studies that describe new advances in the field of Leishmaniasis, either focusing individually on the Leishmania-sand fly or Leishmania-host interfaces, or on the integration of the vector-host-pathogen triad. Original research articles and reviews are welcome. Topics include, but are not limited to:
Determinants of vector competence;
The development of Leishmania parasites in the sandfly midgut;
The characteristics of the infectious inoculum at the time of transmission;
Parasite tissue tropism in the host;
Determinants of infection in asymptomatic versus disease conditions;
Developments in in vitro and animal models of Leishmaniasis;
New anti-Leishmania drug targets;

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2025)

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About the Journal

Message from the Editor-in-Chief

"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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