

## Special Issue

# The Role of Macrophages in Leishmaniasis: Current Perspective

### Message from the Guest Editor

Leishmaniasis is a spectrum of human diseases caused by obligate intracellular protozoan parasites of the genus *Leishmania*, transmitted by the bite of an infected female sandfly. *Leishmania* has a digenetic life cycle that alternates between two distinct morphological forms: intracellular amastigotes in the mammalian host and motile promastigotes in the sand fly. Macrophages are the final host cells that support the proliferation of *Leishmania* and play a central role in the pathogenesis of *Leishmania* infection. Paradoxically, macrophages, a central component of innate immunity, also play an essential role in clearing *Leishmania*. How *Leishmania* resides, survives, and proliferates inside the hostile environment of the parasitophorous vacuole of macrophages is a crucial question in host–pathogen interactions and the disease process of leishmaniasis. For this Special Issue, we invite researchers in leishmaniasis or related research areas to contribute original research articles and review articles related to fundamental and applied research on leishmaniasis. Potential topics include, but are not limited to, the following:

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### Guest Editor

Dr. Devki Nandan

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### Deadline for manuscript submissions

31 January 2026



## Cells

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*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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