

Special Issue

Hope for the Forgotten: Tackling Endemic Parasitic Diseases with New Tools and Ideas

Message from the Guest Editor

Neglected tropical diseases (NTDs) caused by endemic parasites continue to impose a heavy burden on global health, particularly in low-resource regions. This Special Issue focuses on advancing our understanding of endemic parasitic diseases through innovative basic and translational research. We welcome original research and reviews that explore the molecular biology, host–parasite interactions, and adaptive strategies of parasites thriving in tropical environments. Key themes include the following:

- Virulence mechanisms and immune evasion in parasitic infections.
- Host–parasite interactions at the cellular and molecular levels.
- Genomic and metabolic adaptations of parasites to tropical climates.
- Identification of molecular targets for diagnostics and therapeutic development.
- Novel vaccine strategies targeting parasitic pathogens.
- Drug discovery and repositioning, including preclinical studies of repurposed compounds for parasitic NTDs.

By bringing together new tools and ideas, this Special Issue aims to foster hope for affected populations and stimulate interdisciplinary approaches to combat these oft-overlooked diseases.

Guest Editor

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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