

Special Issue

From Pathogenicity of Free-Living Amoebae to Applications in Medical-Related Sciences

Message from the Guest Editor

Naegleria fowleri, a free-living amoeba, causes acute amoebic meningoenzephalitis (PAM), and *Acanthamoeba* spp. cause chronic encephalitis and keratitis. They are mainly transmitted by swimming in unsterilized water or, especially in the case of *A. castellanii*, through contaminated contact lenses. There are not many reports of patients worldwide: fewer than 10 cases per year for *N. fowleri* and only 2 cases of chronic encephalitis due to *Acanthamoeba* have been reported based on a Pubmed search. It is very difficult to expect significant research advancement with only about 100 researchers worldwide studying free-living amoeba, but collecting results and opinions on pathogenicity studies, infection prevention, experimental animal applications, and patient reports through this Special Issue is considered necessary. We welcome submissions that provide new perspectives and data on pathogenicity, prevention, experimental applications, and clinical cases to advance research in this critical field.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The global impact of parasites on human and animal health is immense. While, in many parts of our world, advances in parasitology have led to successful elimination of major health issues this is not the case for other areas. There is a need for a levelling up of these significant human impacts across our planet. The role of parasitic diseases in animal and plant health remain much more obscure and leave us with many unanswered challenges. Research into parasitology draws together broad aspects from host-parasite interactions, through environmental and ecosystem cycles to an intrinsically interesting group of organisms shaped by evolutionary adaptations. *Parasitologia* is a developing journal that seeks to serve the international community by publishing high quality studies that further a holistic understanding of this important science and have a meaningful impact on health across our planet.

Editor-in-Chief

Prof. Dr. Geoff Hide

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