



Advances in Microsporidiolog

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editor

Dear Colleagues,

Microsporidia are obligate intracellular parasites which are being increasingly recognized as 21st century parasites due to their immense yet underestimated diversity, ubiquitous distribution as animal pathogens, and intimate interactions with host cells. They represent a unique model of a minimal eukaryotic cell with reduced functions and contracted genome, as well as an evolutionary conundrum and a taxonomic stumbling block for generations of biologists. As pathogens of harmful arthropods, be that agricultural and forest pests or disease vectors, Microsporidia are drawing attention as biocontrol agents, but should be treated with care considering their dangerous ability to switch between invertebrate and vertebrate hosts. As agents of microsporidiosis in beneficial arthropods, fishes, mammals and humans, Microsporidia require thoughtful examination from the standpoint of diagnostics, prophylaxis and treatment.

Keywords: Microsporidia; microsporidiosis; biodiversity; taxonomy; molecular phylogeny; life cycle; host range; microbial pest control; diagnostics; metabarcoding; disease prevention and treatment





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Message from the Editor-in-Chief

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