



***Acanthamoeba* spp. as Factors for Severe Infectious Diseases in Humans, 2nd Edition**

Guest Editors:

Prof. Dr. Lidia Chomicz

Department of Medical Biology,
Medical University of Warsaw,
Litewska 14/16, 00-575 Warsaw,
Poland

Prof. Dr. Jacek P. Szaflik

Head of the Department of
Ophthalmology, Medical
University of Warsaw, Warsaw,
Poland

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Message from the Guest Editors

Different strains of *Acanthamoeba* spp., widely distributed in natural and man-made environments, are able to enter the human body from different sources, causing pathogenic effects. Pathogenic *Acanthamoeba* strains cause the vision-threatening, difficult-to-diagnose corneal disease *Acanthamoeba* keratitis (AK). The progressive, devastating, considered-rare disease can result in a loss of visual acuity and even blindness; successful treatment has not yet been fully established. Threats to individual and public health caused by AK remain poorly investigated. They are a worldwide medical problem; however, the knowledge and awareness of them are still insufficient. There are challenges in AK management: suitable clinical and laboratory diagnosis, *in vivo/in vitro* and molecular techniques, epidemiology aspects, chemotherapy, pathogenesis mechanisms, the potential role of concomitant infections and endosymbiotic microorganisms as secondary disease factors, an association with oral cavity microbiota, the influence of various risk factors. In this Special Issue, we will present up-to-date data and advanced research on the prevention of health threats caused by *Acanthamoeba* spp. infections.





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Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

Message from the Editor-in-Chief

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Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
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