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

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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, potential role pathogenesis mechanisms. the of infections endosymbiotic concomitant and microorganisms as secondarv disease factors. an association with oral cavity microbiota, the influence of various risk factors. In this Special Issue, we will present upto-date data and advanced research on the prevention of health threats caused by Acanthamoeba spp. infections.







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Message from the Editor-in-Chief

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