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Genetics and Genomics of Acidophiles

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Deadline for manuscript submissions:

closed (3 July 2020)

Message from the Guest Editors

Dear Colleagues,

Acidic environments and the organisms that they host are of significant interest to disciplines ranging from microbiology, biotechnology, Earth sciences, to astrobiology, and have been subject to extensive research to understand the processes that contribute to their formation and the adaptations that allow for their habitation. The insights gained from the study of acidophiles have provided new insights into the physiological limits of life and have uncovered unique adaptations that allow life to thrive under pH extremes.

This Special Issue is focused on the genetics and genomics of acidophiles and their viruses and seeks studies that focus on comparative genomics, genetic systems, the genetic/genomic mechanisms of acidophilic adaptations and/or microbe-mineral interactions, genomic evolution, and genetic exchange, among other interrelated topics. Submissions of original research studies and reviews related to the above, or related, topics and questions regarding acidophiles are invited to be featured as part of this Special Issue in *Genes*.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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