

## Special Issue

# Molecular Biology of Extremophiles

### Message from the Guest Editors

Extremophilic organisms are widespread in the three domains of life. Over recent years, most research has focused on these species which resist under stress conditions (temperature, salinity, pH, etc.) at the limits of sustainable life, enabled by efficient stress-repair systems and unique metabolic capabilities. These biological characteristics along with the adaptation mechanism developed for their molecular machinery may represent a great economic potential in many industrial processes, including environmental applications in food, agriculture, and pharmacy, among others. However, limited knowledge about these organisms results in a bottleneck that makes their use as microbial factories for industrial applications difficult.

This Special Issue welcomes submissions related to molecular biology studies focused on extremophilic microorganisms, covering aspects of their metabolism and gene expression, such as transcriptional and translational regulation, DNA–protein or protein–protein interaction, overexpression of proteins as well as their biotechnological application.

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### Guest Editors

Prof. Dr. María José Bonete

Dr. Mónica Camacho

Dr. Julia Esclapez

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### Deadline for manuscript submissions

closed (20 April 2021)

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## Genes

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### Message from the Editor-in-Chief

*Genes* is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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