

Special Issue

Life Under Extreme Conditions: A Molecular Science View

Message from the Guest Editor

Many organisms can inhabit or survive in extreme physical and chemical environments. We are looking for manuscripts that will focus on understanding biochemical, biophysical, and cellular mechanisms at the molecular level that influence the biological behaviors of organisms living in extreme environments. The topics to be covered in this Special Issue include, but are not limited to, the following: The effects of extreme temperatures, elevated pressures, and chemical stressors on the physicochemical properties of biomolecules and bio-assemblies;

The effects of extreme temperatures, elevated pressures, and chemical stressors on the genomics, lipidomics, proteomics, and metabolomics of organisms;

Biochemical reactions and pathways under extreme physical conditions;

New methodologies to study biomolecules or bio-assemblies, or cellular behaviors, under extreme environmental conditions;

Molecular characterizations of new species detected in extraordinary environments;

Adaptation and evolution theories and experimental findings;

Molecular understanding of cellular functions of organisms in extreme environments

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2022)



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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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