

Special Issue

The Role of Heat Shock Proteins in Diseases and Their Therapeutic Potential: Environmental Stress and Microorganisms

Message from the Guest Editors

Microorganisms (ISSN: 2076-2607, IF 4.926) is an international, peer-reviewed open access journal related to prokaryotic and eukaryotic microorganisms, viruses, as well as prions. Heat shock proteins (HSPs), a family of highly conserved proteins that bind and help fold nascent or denatured polypeptides, ubiquitously exist in organisms (from bacteria to mammals). HSPs, also known as stress proteins, can change in case of disease occurrence and in the presence of environmental stressors such as microorganisms. Recent reports indicated that microorganisms played important role in the mechanism of biological injury induced by environmental stress. In this Special Issue, our aim is to provide an in-depth view of "The Role of Heat Shock Proteins in Diseases and Their Therapeutic Potential: Environmental Stress including Biological Stress and Abiotic Stress and Microorganisms". We welcome high-quality original research and review articles focusing on (but not limited to) the following subtopics:

- Microorganisms
- Heat Shock Proteins
- Environmental stress
- Diseases
- Therapy
- Molecular mechanism
- Environmental stress

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).