



## Advances in Heat-Shock Response and Heat-Shock Proteins

Guest Editor:

**Dr. Nikolas Nikolaidis**

Department of Biological  
Science, Center for Applied  
Biotechnology Studies, and  
Center for Computational and  
Applied Mathematics, College of  
Natural Sciences and  
Mathematics, California State  
University Fullerton, Fullerton, CA  
92834-6850, USA

Deadline for manuscript  
submissions:

**30 August 2024**

### Message from the Guest Editor

Dear Colleagues,

We are pleased to announce a forthcoming Special Issue entitled "Advances in Heat-Shock Response and Heat-Shock Proteins" in the Journal of *International Journal of Molecular Sciences*. This Special Issue will focus on recent discoveries related to the regulation and function of heat-shock proteins (HSPs) in maintaining protein homeostasis, managing stress, and influencing disease states. The key topics to be addressed include the post-translational modification of HSPs, the interplay between HSP pathways, the role of HSPs in neurodegenerative disorders and cancer, and more.

We welcome the submission of original research articles, authoritative reviews, perspectives, and commentaries. Through this Special Issue, we aim to compile high-quality contributions that enhance our understanding of the diverse functional roles and therapeutic potential of the heat-shock response. We look forward to your contributions to this exciting Special Issue exploring new frontiers in HSP research.

Dr. Nikolas Nikolaidis  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Maurizio Battino**

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI