



## Regulation of Inflammatory Reactions in Health and Disease

Guest Editor:

**Dr. Shani Shenhar-Tsarfaty**

Departments of Internal Medicine  
"C", "D" & "E", Tel-Aviv Sourasky  
Medical Center, Sackler Faculty  
of Medicine, Tel-Aviv University,  
Tel Aviv 6997801, Israel

Deadline for manuscript  
submissions:

**closed (30 June 2021)**

### Message from the Guest Editor

With the COVID-19 pandemic still unraveling and affecting millions of individuals worldwide, the importance of understanding uncontrolled inflammatory reactions has become an urgent need.

Regardless of the cause, inflammation has evolved as an adaptive response for restoring homeostasis. However, inflammatory response is a double-edged sword, as excessive inflammation can itself exacerbate tissue damage. To limit the unfavorable consequences, many stimuli that trigger inflammatory response simultaneously trigger a program that actively resolves inflammation. Nonresolving inflammation is associated with adverse outcomes and in chronic conditions is regarded as a major driver of disease. Multiple mechanisms normally ensure resolution, involving genetic, transcriptional, post-transcriptional, and behavioral pathways.

In this context, we would like to invite review and original articles that focus on understanding all aspects of inflammatory processes in health and disease.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. José L. Quiles

Department of Physiology,  
Institute of Nutrition and Food  
Technology “Jose Mataix”,  
Biomedical Research Center,  
University of Granada, Avda.  
Conocimiento s/n, 18100 Armilla,  
Granada, Spain

## 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.

## 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 and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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