



## Inflammation, Inflammatory Diseases, and Inflammasomes

Guest Editors:

**Dr. Young-Su Yi**

Department of Life Sciences,  
Kyonggi University, Suwon 16227,  
Republic of Korea

**Dr. Miyong Yun**

Faculty of Molecular Biology,  
Sejong University, Seoul 05006,  
Republic of Korea

Deadline for manuscript  
submissions:

**closed (30 April 2023)**

### Message from the Guest Editors

Much effort has been made on demonstrating the mechanisms of inflammatory responses and developing anti-inflammatory therapeutics, however, previous studies have mainly focused on the “priming”, a preparatory step of inflammatory responses. Recent studies have actively demonstrated the “triggering”, an activation step of inflammatory responses. The Cardinal feature of the triggering is the activation of inflammasomes, intracellular inflammatory protein complexes. Previous studies have demonstrated the roles of inflammasomes in inflammatory responses and diseases, which provides strong evidence that inflammasomes are central players for inflammation and new potential targets for novel anti-inflammatory drug development. However, inflammasome functions and their dysregulation in inflammatory responses and diseases still remain to be investigated.

This Special Issue welcomes the studies focusing on but not limited to the role of inflammasomes in inflammatory responses and disease, identification and validation of novel molecules regulating inflammasome functions, and potential inflammasome-targeted therapeutics.

The Special Issue Start date is 26 July 2022.





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 and Molecular Biology) / CiteScore - Q1 (Inorganic 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