

## Special Issue

# The Role of Cytokines in Inflammation and Diseases

### Message from the Guest Editor

Inflammation is one of the largest biological responses resulting from the interaction of organs with the innate and acquired immune systems. Large amounts of inflammatory cytokines are produced, affecting organs throughout the body. Severe and prolonged inflammation can cause functional and organic damage to other organs, including the cerebral cardiovascular system, liver, and kidneys, and can be fatal. Along with a clear understanding of the mechanisms of these inflammations, the development of novel anti-inflammatory agents is eagerly awaited.

Severe inflammatory diseases may be strongly associated with systemic complications, such as atherosclerosis, abnormal lipid metabolism, nonalcoholic fatty liver disease, nephrosclerosis, systemic amyloidosis, and nervous system diseases. Thus, elucidation of the molecular and cellular mechanisms of disease and the close relationship between inflammation and systemic complications may also be an area of research. Against this background, clinical evidence and research findings focusing on the molecular and cellular mechanisms of inflammation and inflammatory diseases are also welcome.

---

### Guest Editor

Prof. Dr. Keiichi Yamanaka  
Department of Dermatology, Mie University Graduate School of Medicine, 2-174 Edobashi, Tsu 514-8507, Japan

---

### Deadline for manuscript submissions

20 June 2026



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/239664](https://mdpi.com/si/239664)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### 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.

---

### 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

---

### 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, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)