

## Special Issue

# Immunopathogenesis and Novel Therapeutics Strategies of Systemic Lupus Erythematosus 2.0

### Message from the Guest Editors

Systemic lupus erythematosus (SLE) is a connective tissue disease. Understanding the SLE pathogenic background and disease-driving mechanisms will contribute to the development of novel therapeutic strategies. In the course of SLE, several immunological phenomena may be observed, such as the loss of tolerance to self-antigens, autoreactive T- and B-cell activation, the synthesis of autoantibodies, and the activation of interferon. This Special Issue focus on understanding the immuno-pathological mechanisms, biomarkers, and novel therapeutic strategies in SLE. Topics include, but are not limited to, the following:

- The genetic background of SLE;
- The epigenetic regulation of lupus;
- Cellular and molecular mechanisms in lupus;
- The role of cytokine networks in lupus progression;
- Innate and adaptive immunity in SLE;
- The role of immunocompetent cells in lupus pathogenesis and disease mechanisms;
- The role of interferon and interferon signature in lupus pathogenesis;
- Novel lupus biomarkers in SLE diagnosis and monitoring disease activity;
- Novel therapeutics and new treatment strategies for lupus.

---

### Guest Editors

Prof. Dr. Marzena Olesińska

Department of Connective Tissue Diseases, National Institute of Geriatrics, Rheumatology and Rehabilitation, 02-637 Warsaw, Poland

Prof. Dr. Przemysław J Kotyla

Department of Internal Medicine Rheumatology and Clinical Immunology, Faculty of Medical Sciences in Katowice, Medical University of Silesia, 40-635 Katowice, Poland

---

### Deadline for manuscript submissions

closed (30 November 2024)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/177210](https://mdpi.com/si/177210)

*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/](https://mdpi.com/journal/)

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





# 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)