

## Special Issue

# Molecular Advances in Musculoskeletal Disorders

### Message from the Guest Editor

Musculoskeletal disorders are leading contributors to years lived with disability worldwide, affecting people of all ages. Understanding the pathogenic mechanisms for these conditions is a challenging task for researchers and clinicians that can lead to the development of new strategies to identify different phenotypes, biomarkers for early diagnosis and prognosis as well as to facilitate personalized therapeutic approaches. The scope of this Special Issue is to gather original articles and comprehensive reviews addressing pathways involved in cartilage, bone, ligament, tendon, muscle injury and repair, as well as their clinical implications in terms of presentation and progression of MSK disorders, diagnostic and prognostic insights, and potential therapeutic strategies for these conditions.

### Guest Editor

Dr. Antimo Moretti

1. Multidisciplinary Department of Medical and Surgical Specialties and Dentistry, University of Campania "Luigi Vanvitelli", Caserta, Italy
2. Italian Society of Physical and Rehabilitative Medicine (SIMFER), Rome, Italy

### Deadline for manuscript submissions

closed (20 June 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/173985](https://mdpi.com/si/173985)

*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)