



Highlights in Pathophysiology of the Musculoskeletal System 2.0

Guest Editors:

Dr. Marta Anna Szychlinska

Department of Biomedicine,
Neuroscience and Advanced
Diagnostics (BiND), Human
Anatomy Section, University of
Palermo, 90127 Palermo, Italy

Dr. Rosario Barone

Department of Biomedicine,
Neuroscience and Advanced
Diagnostics, Institute of Human
Anatomy and Histology,
University of Palermo, 90133
Palermo, Italy

Dr. Giovanna Calabrese

Department of Chemical,
Biological, Pharmaceutical and
Environmental Sciences,
University of Messina, Viale
Ferdinando Stagno d'Alcontres
31, 98168 Messina, Italy

Message from the Guest Editors

Dear Colleagues,

During the past few decades, with the advancement of research and technology, much has been discovered concerning the pathophysiological knowledge of the musculoskeletal system. Novel molecular targets have been identified for therapeutic approaches. Innovative methodologies such as tissue engineering, regenerative medicine, gene therapies, drug delivery systems, microgravity conditions, and nutritional interventions have facilitated the development of understanding mechanisms of musculoskeletal disorders such as osteoarthritis, rheumatoid arthritis, sarcopenia, muscle wasting, osteoporosis, bone necrosis, and many others. In this Special Issue, we focus our attention on the latest discoveries and developments in musculoskeletal system pathophysiology at a molecular level and provide a comprehensive update on the literature accessible to scientists from the field.

Deadline for manuscript
submissions:

20 October 2024



mdpi.com/si/132081

Special Issue



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