

## Special Issue

# Highlights in Pathophysiology of the Musculoskeletal System, 2nd Edition

### Message from the Guest Editors

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.

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### Guest Editors

Dr. Marta Anna Szychlinska

Dr. Rosario Barone

Dr. Giovanna Calabrese

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### Deadline for manuscript submissions

closed (20 April 2025)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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