

Special Issue

Highlights in Pathophysiology of the Musculoskeletal System

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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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.

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