

Special Issue

Musculoskeletal Injuries and Conditions: From Pathophysiology to Novel Therapeutic Approaches

Message from the Guest Editor

This Special Issue aims to focus on the pathophysiology, diagnosis, and treatment of musculoskeletal injuries and conditions affecting the joints, cartilage, bones, tendons, and ligaments. We welcome the submission of original research and reviews that explore molecular mechanisms, inflammation, tissue degeneration, fibrosis, and biomechanical alterations. Submissions addressing innovative diagnostic tools, regenerative medicine, molecular and cellular therapies, tissue engineering, and translational research are highly encouraged. Studies on preclinical models, biomarkers, and cutting-edge imaging techniques to elucidate the molecular mechanism of diseases are also of interest. By highlighting multidisciplinary approaches, this Special Issue aims to bridge the gap between diseases and molecular mechanisms, driving progress in the formation, prevention, management, and treatment of musculoskeletal conditions. Researchers are invited to contribute to this Special Issue to help advance this dynamic field.

Guest Editor

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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.

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