

Special Issue

Musculoskeletal Diseases: From Pathophysiology to Clinics, Diagnostics and Treatment

Message from the Guest Editors

Musculoskeletal diseases are among the most prevalent in the population. The aim of this Special Issue is to present groundbreaking research that drives innovation in rehabilitation practices. We welcome contributions that explore novel diagnostic tools, therapeutic interventions and holistic care strategies that address the complex needs of patients. This includes, but is not limited to, studies on physiopathogenesis, clinical biomechanics, diagnostic tests, neuroplasticity, cognitive and behavioral therapies, and interdisciplinary approaches to rehabilitation. In the realm of musculoskeletal disease, we seek papers that delve into advanced instrumental technologies and biomechanical assessments to improve the understanding and treatment of musculoskeletal impairments. We invite papers that present innovative solutions and approaches, including, but not limited to, the following:

- Orthopedic rehabilitation;
- Clinical and diagnostic evaluation;
- Physiopathogenesis of muscle, tendon and joint disease;
- Prevention of fall risks;
- Treatment of musculoskeletal disease;
- Neurological impacts on musculoskeletal health;
- Neurophysiological aspects of musculoskeletal disorders.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2025)



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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Editor-in-Chief

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