Special Issue

Encouraging More Youthful Mechanics and Energetics of Locomotion through Intervention for Older Adults

Message from the Guest Editors

This Special Issue is interested in succint perspectives or reviews (by invitation) or original research articles focusing on:

- Interventions designed to rejuvinate the mechanics and energetics of locomotion in older adults in enduring ways, including, but not limited to, endurance activities, strength or power training, perturbation training, footwear modifications, and/or assistive robotic technologies;
- Confounders and comorbidities that could influence the efficacy of intervention prescription to rejuvinate the mechanics and energetics of walking in older adults, including but not limited to pain, stiffness, fatigability, movement variability, pathology, and neuropsychological factors of aging, such as self-efficacy and kinesiophobia;
- Innovative experimental approaches to probe mechanisms or pathways for restoration of mechanics and energetics of locomotion in older adults;
- Modeling and simulation approaches to accelerate throughput in the design and evaluation of interventions to rejuvinate the mechanics and energetics of walking in older adults.

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Deadline for manuscript submissions

closed (15 December 2023)

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Message from the Editor-in-Chief

Biomechanics (ISSN 2673-7078) is an international, peer-reviewed, and open access journal devoted to the fast publication of the latest achievements of scientific research in the area of biomechanics. Both experimental and theoretical papers are published. We hope that the submission guidelines and submission template will assist you in your submission of your research to this journal, and that you will enjoy reading the articles in Biomechanics.

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