Special Issue

Applied Biomechanics and Motion Analysis

Message from the Guest Editors

It is our pleasure to present this Special Issue on "Applied Biomechanics and Motion Analysis". The developments in the field of recording human and animal movement have been significant in recent decades. Kinematic, dynamic, and EMG measurements are prevalent not only during everyday movement such as walking, but also during sports movements (running, fencing, throwing). We look forward to receiving systematic reviews, original publications, and case studies in the following areas, but not exclusively:

- Development, validation, and verification of new measuring instruments and approaches;
- Kinematic, dynamic, EMG, and other physiological measurements related to motion;
- New signal processing methods in the field of kinematic and physiological data processing;
- Action recognition and motion evaluation based on artificial intelligence and machine learning methods;
- Novel approaches in gait analysis, analysis of activities of daily living, and sports movement;
- Studies on human balancing, balance tests, and dynamic posturography;
- Animal motion analysis, e.g., canine, bovine, equine.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2024)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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