



Locomotion Biomechanics and Motor Control

Collection Editor:

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Message from the Collection Editor

Motor control and biomechanics have gradually developed important research fields in human/Animal movement. Locomotion biomechanics is a fascinating interdisciplinary research field that addresses key aspects of how the biological motor system is designed and controlled. Its research field comprises the function of the musculoskeletal system (body mechanics), neuromuscular system (Neurocontrol and Neuromodulation) as well as the organization of sensorimotor functions (motor control and learning). Motor control underlies motion, balance, stability, coordination, and our interaction with others. The integration between biomechanics and motor control deserves more attention and discussion.

This special issue focuses on collecting papers that investigate motor control based on complicated locomotion biomechanics methodologies and use biomechanical theories. It also aims to explore the key techniques, theories, and applications of locomotion biomechanics and motion control. This Special Issue welcomes original research and review papers covering the following topics(including but not limited to):

- Locomotion
- Movement
- Gait analysis
- Posture and balance
- Kinematics
- Motor control

