Special Issue

New Trends in Neuromechanics and Motor Rehabilitation

Message from the Guest Editor

Neuromechanics has been used to identify optimal rehabilitation protocols that successfully improve motor deficits in various populations, such as elderly people and individuals with neurological diseases (e.g., stroke, Parkinson's disease, and essential tremor). By investigating structural and functional changes in the central and peripheral nervous systems based on neuromechanical theories and findings, we can expand our knowledge regarding specific motor impairment patterns before and after therapies and underlying neurophysiological mechanisms, and further develop new training programs (e.g., non-invasive brain stimulation). Thus, the aim of this Special Issue is to gather the main contributions of researchers and rehabilitation specialists in biomechanics, motor control, neurophysiology, neuroscience, and rehabilitation science. The current collection will provide new neuromechanical approaches addressing theoretical, methodological, and practical topics for facilitating motor recovery progress. All experimental, systematic reviews, and meta-analysis studies will be welcome.

Guest Editor

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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.

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