



Bioengineering of the Motor System

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Message from the Guest Editor

The motor system involves a neural control system, a mechanical structure, an actuation system, and mechanisms of energy supply. Knowledge about their function has considerably progressed over the years, but many aspects are still worth investigating and offer new insights. A substantial contribution to the advancement of knowledge is provided by new technologies that offer the possibility of analysing biological phenomena in detail and designing clinical applications. Bioengineering has become central to building on our understanding of both normal and pathological human posture and movement. Bioengineering of the motor system therefore presents itself as a new discipline, where physiology, clinical experience, and technology are integrated into methods for measuring, visualizing, and interpreting the biological phenomena connected to motor function. This Special Issue aims at collecting experiences and demonstrations from this multidisciplinary approach. Contributions in the various areas of interest are expected to provide a picture of the state of the art of this discipline and to show its potential and perspective for future advancements.





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