# Special Issue

# Insight in the Application of Rehabilitation Devices in Neurological Disease

## Message from the Guest Editor

Neurological diseases causing motor/cognitive impairments are among the most common causes of adult-onset disability.

Rehabilitation therapy can be aided by the technological support of robotic-based therapy, non-invasive brain stimulation, virtual reality, and telemedicine, to name a few. The ability to provide individualized treatment by designing tasks suited to the individual's cognitive and physical abilities increases the validity of interventions and supports adherence to therapy.

The purpose of this Special Issue is to bring together new literature to identify the contribution of technology-mediated neurorehabilitation, clarifying prospective research directions in the development of more autonomous rehabilitation processes. Both studies focusing on the process of neurorehabilitation through the use of technological devices (both clinical research and basic neuroscience) and studies discussing the challenges and opportunities for achieving more autonomous rehabilitation processes are included. Papers that explain the set of technical requirements that should be considered when designing and implementing autonomous robotic systems for rehabilitation are also welcome.

## Guest Editor

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## Deadline for manuscript submissions

closed (25 October 2024)

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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