

Special Issue

Advances in Neuroempowerment and Neurorehabilitation in Home- Based Training Protocols

Message from the Guest Editor

The recent development of e-Health has opened new opportunities for remote health care and neuropsychological intervention, where wearable technologies promote self-improvement and neuroempowerment, enabling personalized and adaptive training supported by real-time monitoring and feedback. This Special Issue, titled “Advances in Neuroempowerment and Neurorehabilitation in Home-Based Training Protocols”, will explore the intersection of neuroscience, technology and person-centered roles, emphasizing the concepts of agency, motivation, and the cognitive involvement of neuroempowerment, described as an intentional and aware process via which an individual uses neuroscience tools, techniques, and models to improve their cognitive, psychological, and behavioral abilities.

We invite contributions that address innovative approaches in home-based neuroempowerment and neurorehabilitation protocols, including brain-computer interfaces (BCIs), wearable neurofeedback devices, AI-powered cognitive assessment, telerehabilitation platforms, and immersive virtual environments. Studies combining clinical trials, neurophysiological analyses, or computational models are particularly encouraged.

Guest Editor

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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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