

## Special Issue

# Advances in Assessment and Training of Perceptual-Motor Performance

### Message from the Guest Editor

Despite the obvious role of brain processes in the control of human interactions with the environment, the transformation of sensory inputs into movement responses has only recently become an area of focused interest among sport scientists and clinicians who seek to optimize human performance capabilities.

Advancements in neuroimaging technologies are rapidly increasing knowledge in this area, but clinical applications need further development. The purpose of this Special Issue is to gather research reports on measurable behaviors or physiological markers that are associated with potentially modifiable brain processes, such as selective attention, visual detection, sensory weighting, stimulus discrimination, conflict resolution, decision making, motor control, and bilateral movement symmetry. Any research findings that may contribute to a better understanding of interventions for improvements in the speed, accuracy, and consistency of responses to environmental stimuli are welcomed, as well as content relating to the prevention and/or rehabilitation of specific types of injuries through improved integration of perceptual, cognitive, and motor processes.

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### Guest Editor

Prof. Dr. Gary Wilkerson

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### Deadline for manuscript submissions

closed (31 January 2025)



## Brain Sciences

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Impact Factor 2.8  
CiteScore 5.6  
Indexed in PubMed



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## About the Journal

### Message from the Editor-in-Chief

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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### Editor-in-Chief

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