

Special Issue

Advances in Cognitive and Psychometric Evaluation

Message from the Guest Editors

The study of cognitive and psychometric evaluation has evolved from early intelligence tests to current models based on cognitive theories, computational approaches, and neuroscience-informed frameworks. This Special Issue explores advances in assessing cognitive processes, highlighting the integration of psychometric methods with cognitive neuroscience approaches. It addresses the enhancement of traditional instruments, the incorporation of advanced data analysis techniques, and the use of psychophysiological and neurophysiological methods, such as EEG, fMRI, and eye-tracking, to better understand the neural mechanisms underlying cognitive performance. Particular attention will be given to applications across diverse populations, including clinical groups (e.g., individuals with neurodevelopmental or neurodegenerative disorders), culturally diverse populations, those in education, and ageing adults. The special issue seeks to foster a multidisciplinary perspective, bridging cognitive science, neuroscience, and psychometrics, to develop culturally sensitive, neurobiologically grounded assessments.

Guest Editors

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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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