Research on Executive Functions by EEG and fMRI

Guest Editor:

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Message from the Guest Editor

Executive functions represent a cornerstone of human cognition, encompassing a suite of high-level mental processes that enable individuals to strategize, plan, organize, and adapt to the ever-evolving challenges of daily life. These functions play a pivotal role in our ability to make decisions, control impulses, shift attention, and manage working memory. The dynamic interplay between executive functions forms the bedrock of our cognitive toolkit, allowing us to navigate the multifaceted intricacies of our world. Recent innovations in the realm of neuroimaging have been crucial in unveiling the neurobiological underpinnings of executive functions. Methodological advancements in Electroencephalography (EEG) and Functional Magnetic Resonance Imaging (fMRI) have increased our understanding of executive functions. We invite researchers from diverse disciplines to contribute to this Special Issue dedicated to exploring executive functions through the lens of EEG and fMRI. We welcome theoretical and/or empirical contributions that expand our knowledge of executive functions.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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