

## Special Issue

# Research on Executive Functions by EEG and fMRI

### 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.

### Guest Editor

Dr. Gioele Gavazzi

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### Deadline for manuscript submissions

closed (10 May 2024)



## Brain Sciences

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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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