



an Open Access Journal by MDPI

Neuroimaging Techniques in the Measurement of Mental Fatigue

Guest Editors:

Dr. Gianluca Borghini

Department of Molecular
Medicine, Sapienza University of
Rome, Piazzale Aldo Moro 5,
00185 Rome, Italy

Dr. Vincenzo Ronca

Department of Computer,
Control, and Management
Engineering "Antonio Ruberti",
Sapienza University of Rome,
00185 Rome, Italy

Dr. Dario Rossi

CNR-IFC, National Research
Council Institute of Clinical
Physiology, 56124 Pisa, Italy

Deadline for manuscript
submissions:

closed (30 November 2024)

Message from the Guest Editors

Mental fatigue (MF) can be defined as a psychobiological state caused by prolonged episodes of cognitive exertion and may include feelings of sleepiness, as well as physical and mental elements. Moreover, in real-world settings, such as the automotive, industry, aviation and health industries, MF plays a crucial role in increasing risk for accidents, injuries and/or incidents. And despite several years of scientific research focused on the definition of MF, its objective evaluation and characterization is still an open issue.

The use and combination of different methodologies can therefore provide a more accurate measurement of MF. For example, neurophysiological signals endow a reliable way to assess and foresee MF changes. Additionally, other methodologies based on behavioural measurements can provide additional information to better assess the onset and impact of MF.

This Special Issue "Neuroimaging Techniques in the Measurement of Mental Fatigue" aims to gather a collection of studies detailing the most recent advancements in the field of MF evaluation. Authors are invited to submit cutting-edge research and reviews that address a broad range of topics related to MF.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jerrell Cassady

Department of Educational
Psychology, Ball State University,
Muncie, IN 47306, USA

Message from the Editor-in-Chief

With warm greetings, it is a pleasure to invite you to contribute a research article or comprehensive review for consideration and publication in *Behavioral Sciences*. *Behavioral Sciences* is an international, scientific, open access journal providing an advanced forum for discussions and research regarding the intersection between psychiatry, neuroscience, psychology, cognitive and behavioral sciences, and behavioral biology. More information are available at: <https://www.mdpi.com/journal/behavsci>. We would be pleased to welcome you as one of our authors and have the opportunity to consider your work for publication.

Author Benefits

Open Access:— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SSCI (Web of Science), PubMed, PMC, Embase, PsycInfo, and other databases.

Journal Rank: JCR - Q2 (Psychology, Multidisciplinary) / CiteScore - Q2 (Development)

Contact Us

Behavioral Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

[mdpi.com/journal/behavsci](https://www.mdpi.com/journal/behavsci)
behavsci@mdpi.com
[X@Behavsci_MDPI](https://twitter.com/Behavsci_MDPI)