

Special Issue

Cognitive Function and Alzheimer's Disease

Message from the Guest Editors

Alzheimer's disease is the leading cause of dementia among the aged population and is recorded as one of the most well-known medical problems today. Late-onset Alzheimer's disease (LOAD) is a complex and heterogeneous disease. As of now, there are neither modification treatments nor a cure found for this compelling disease. As there has recently been an increase in the aging population around this world, the need for designing novel biomarker and therapeutic targets has become more vital toward achieving these aims. However, mechanisms linking Alzheimer's disease and cognitive impairment are also not clearly elucidated. Throughout the decades, many hypotheses have been developed to explain the pathogenesis of Alzheimer's disease, including the A β -amyloid hypothesis, A β -amyloid oligomer hypothesis, presenilin hypothesis, Ca²⁺ dysregulation hypothesis, lysosome hypothesis, infection hypothesis, and tau hypothesis. To achieve these aims, more comprehensive knowledge of the prime molecular mechanisms of Alzheimer's disease determining cognitive impairment is required, which will ultimately lead to therapeutic targets.

Guest Editors

Dr. Priya Madhavan

School of Medicine, Faculty of Health & Medical Sciences, Taylor's University, Subang Jaya, Malaysia

Dr. Mohamed Saleem Abdul Shukkoor

College of Pharmacy, Riyadh Elm University, Riyadh, Saudi Arabia

Deadline for manuscript submissions

closed (31 July 2023)



Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/138248

Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/

[brainsci](https://brainsci.mdpi.com)





Brain Sciences

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



[mdpi.com/journal/
brainsci](https://mdpi.com/journal/brainsci)



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.

Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
15260, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYINDEX, PsycInfo, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.