

ISSN: 2169-2459 Volume 13, Number 4, December 2024



# Advances in Alzheimer's Disease



ISSN: 2169-2459



9 772169 245004 04

<https://www.scirp.org/journal/aad>

# Journal Editorial Board

ISSN: 2169-2459 (Print) ISSN: 2169-2467 (Online)

<https://www.scirp.org/journal/aad>

---

## Editor-in-Chief

**Prof. Lei Xue**

Tongji University, China

## Editorial Board

**Prof. Vladan P. Bajic**

University of Belgrade and Galenika Pharm, Serbia

**Dr. Ho-Yin Edwin Chan**

The Chinese University of Hong Kong, China

**Dr. Raymond Chuen-Chung Chang**

The University of Hong Kong, China

**Dr. Yu Chen**

The Hong Kong University of Science and Technology, China

**Prof. Raymond T. F. Cheung**

University of Hong Kong, HK, China

**Dr. Robin D. Couch**

George Mason University, USA

**Dr. Jolanta Dorszewska**

Poznan University of Medical Sciences, Poland

**Dr. Felice Elefant**

Drexel University, USA

**Dr. J. Yuen-Shan Ho**

Macau University of Science and Technology, China

**Dr. Claudia Jacova**

University of British Columbia, Canada

**Dr. Sean James Miller**

Pluripotent Diagnostics Corp., USA

**Dr. Angela R. Kamer**

New York University, USA

**Dr. Andrew Chi-Kin Law**

The University of Hong Kong, China

**Dr. Shi Lin**

The Chinese University of Hong Kong, China

**Dr. Melinda Martin-Khan**

The University of Queensland, Australia

**Dr. Laura McIntire**

Columbia University, USA

**Dr. Peter J. Morin**

Boston University School of Medicine, USA

**Dr. Mario A. Parra**

University of Edinburgh, UK

**Prof. Ram Shanmugam**

Texas State University, USA

**Prof. Jean-Paul Soucy**

Université de Montréal, Canada

**Prof. Jian-Zhi Wang**

Tongji Medical College, China

**Dr. Yaroslav Winter**

Philipps University, Germany

**Prof. Xiao-Xin Yan**

Central South University Xiangya School of Medicine, China

**Prof. Hai Yan Zhang**

Chinese Academy of Sciences, China

**Dr. Liqin Zhao**

University of Kansas, USA

**Prof. Xin-Fu Zhou**

University of South Australia, Australia

**Dr. Lada Zivkovic**

The Faculty of Pharmacy University of Belgrade, Serbia

# Table of Contents

**Volume 13    Number 4**

**December 2024**

## **Deep Learning for Neuroimaging-Based Brain Disorder Detection: Advancements and Future Perspectives**

S. Ocen, M. A. Yohannis, L. Muchemi.....95

## Advances in Alzheimer's Disease (AAD)

### Journal Information

#### SUBSCRIPTIONS

The *Advances in Alzheimer's Disease* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly by Scientific Research Publishing, Inc., USA.

##### **Subscription rates:**

Print: \$59 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

#### SERVICES

##### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

##### **Reprints (minimum quantity 100 copies)**

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

#### COPYRIGHT

##### **Copyright and reuse rights for the front matter of the journal:**

Copyright © 2024 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

##### **Copyright for individual papers of the journal:**

Copyright © 2024 by author(s) and Scientific Research Publishing Inc.

##### **Reuse rights for individual papers:**

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

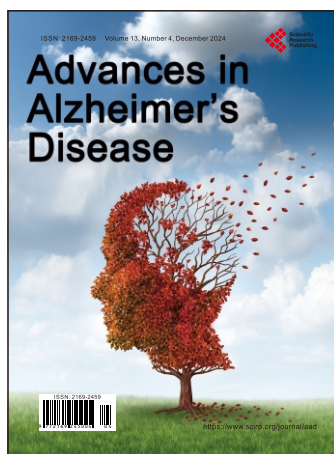
##### **Disclaimer of liability**

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

#### PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: [aad@scirp.org](mailto:aad@scirp.org)



# Call for Papers

## Advances in Alzheimer's Disease

ISSN: 2169-2459 (Print) ISSN: 2169-2467 (Online)

<https://www.scirp.org/journal/aad>

*Advances in Alzheimer's Disease (AAD)* is an openly accessible journal published quarterly. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of Alzheimer's Disease.

### Editor-in-Chief

Prof. Lei Xue

### Editorial Board

Prof. Vladan P. Bajic  
Dr. Ho-Yin Edwin Chan  
Dr. Raymond Chuen-Chung Chang  
Dr. Yu Chen  
Prof. Raymond T. F. Cheung  
Dr. Robin D. Couch  
Dr. Jolanta Dorszewska  
Dr. Felice Elefant  
Dr. J. Yuen-Shan Ho

Dr. Claudia Jacova  
Dr. Sean James Miller  
Dr. Angela R. Kamer  
Dr. Andrew Chi-Kin Law  
Dr. Shi Lin  
Dr. Melinda Martin-Khan  
Dr. Laura McIntire  
Dr. Peter J. Morin  
Dr. Mario A. Parra

Prof. Ram Shanmugam  
Prof. Jean-Paul Soucy  
Prof. Jian-Zhi Wang  
Dr. Yaroslav Winter  
Prof. Xiao-Xin Yan  
Prof. Hai Yan Zhang  
Dr. Liqin Zhao  
Prof. Xin-Fu Zhou  
Dr. Lada Zivkovic

### Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The areas of *Advances Alzheimer's Disease (AAD)* include but are not limited to the following fields:

- Alzheimer's Disease and Down Syndrome
- Animal Models of Alzheimer's Disease
- Behavior and Treatment
- Brain Disorder
- Caregiving and Dementia
- Cell Cycle and AD
- Dementia during Aging and in Alzheimer's Disease
- Epidemiology of Alzheimer's Disease
- Etiology of Alzheimer's Disease
- Genetics of Alzheimer's Disease
- Inflammation in Alzheimer's Disease
- Neural Circuit Dysfunction in Alzheimer's Disease
- Neurodegeneration
- Oxidative Stress and AD
- Pathogenesis of Alzheimer's Disease
- Patient Care and Prevention of Alzheimer's Disease
- Progress in Alzheimer's Disease Diagnosis
- Protein Misfolding
- Psychosocial Intervention
- Therapeutic Development
- Understanding of Alzheimer's Disease Pathogenesis

We are also interested in: 1) Short reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

### Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

### Website and E-Mail

<https://www.scirp.org/journal/aad>

E-mail: [aad@scirp.org](mailto:aad@scirp.org)

## ***What is SCIRP?***

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

## ***What is Open Access?***

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific  
Research  
Publishing**

**Website: <https://www.scirp.org>**

**Subscription: [sub@scirp.org](mailto:sub@scirp.org)**

**Advertisement: [service@scirp.org](mailto:service@scirp.org)**