



## Advances in Alzheimer's Disease and Healthy Aging

Guest Editors:

**Dr. Christian Griñán-Ferré**

Department of Pharmacology,  
Toxicology and Medicinal  
Chemistry, University of  
Barcelona, 08007 Barcelona,  
Spain

**Dr. Verónica Palomera-Avalos**

Department of Cellular and  
Molecular Biology, University of  
Guadalajara, Guadalajara 44160,  
Mexico

Deadline for manuscript  
submissions:

**closed (31 August 2023)**

### Message from the Guest Editors

Dear Colleagues,

Age-related cognitive decline—especially memory impairment—is one of the most prevalent consequences of growing older. The severity of age-related cognitive decline predisposes to neurodegenerative diseases like Alzheimer's disease (AD). The molecular mechanisms of age-related cognitive decline and AD are considered to be multifactorial, and implicate the interaction of genetics and environmental factors (nutrition and pollutants, among others), acting as susceptibility factors or triggers that promote brain injury accumulation due to their chronicity during aging.

Although the main neuropathological hallmarks such as amyloid plaques and tau pathology are well-described, the causes of AD remain unknown, and no preventive or curative treatments are available. The treatments are currently divided into acetylcholinesterase inhibitors (AChEIs), and an antagonist of the N-methyl-D-aspartic (NMDA) receptor.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Paul B. Tchounwou**

RCMI Center for Urban Health  
Disparities Research and  
Innovation, Richard Dixon  
Research Center, Morgan State  
University, 1700 E. Cold Spring  
Lane, Baltimore, MD 21251, USA

## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

## Author Benefits

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

**High Visibility:** indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Public Health, Environmental and Occupational Health)

## Contact Us

---

*International Journal of  
Environmental Research and Public  
Health* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/ijerph  
ijerph@mdpi.com  
X@IJERPH\_MDPI