Special Issue

Advances in Alzheimer's Disease and Healthy Aging

Message from the Guest Editors

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 plagues 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.

Guest Editors

Dr. Christian Griñán-Ferré

Pharmacology Section, Department of Pharmacology, Toxicology and Therapeutic Chemistry, Faculty of Pharmacy and Food Sciences, Institute of Neuroscience, Universitat de Barcelona, 08028 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)



International Journal of Environmental Research and Public Health

an Open Access Journal by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/76722

International Journal of Environmental Research and Public Health Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 ijerph@mdoj.com

mdpi.com/journal/ ijerph





International Journal of Environmental Research and Public Health

an Open Access Journal by MDPI

CiteScore 8.5
Indexed in PubMed





About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed 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 journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

Centre for Public Health, Equity and Human Flourishing, Torrens University Australia, Adelaide 5000, Australia

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, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)