



## Cognitive Impairment and Gait Disorders in Older Adults

Guest Editors:

**Prof. Dr. Patrick Manckoundia**

1. Department of Geriatrics and Internal Medicine, Hospital of Champmaillot, University Hospital, 21000 Dijon, France
2. UMR Inserm/U1093 Cognition, Action, Sensorimotor Plasticity, University of Burgundy and Franche-Comté, 21000 Dijon, France
3. INSERM U-1093, Cognition, Action and Sensorimotor Plasticity, University of Burgundy Franche-Comté, 21000 Dijon, France

**Prof. Dr. France Mourey**

INSERM U-1093, Cognition, Action and Sensorimotor Plasticity, University of Burgundy Franche-Comté, 21000 Dijon, France

Deadline for manuscript submissions:

**closed (9 June 2023)**

### Message from the Guest Editors

Dear Colleagues,

Older individuals can age either normally or pathologically. Individuals with pathological ageing have numerous comorbidities, leading to polypharmacy and contributing to frailty. Among these comorbidities, major neurocognitive disorders (MNCs) and balance and gait disorders (BGDs), which lead to falls, are two real public health problems. MNCs are the primary cause of loss of autonomy (ability to govern oneself) in older adults, while BGDs are a major factor in the loss of independence, and falls are the most common cause of accidental death in this population. Moreover, MNCs and BGDs are often associated. This is explained by the impaired judgment; attention, memory and/or praxis disorders; and damage to the nerve centers governing balance and gait that occur in individuals with MNCs. The motoric cognitive risk syndrome, associated with slow gait and subjective memory complaints without objective cognitive and functional disorders, illustrates this association.

We therefore propose this Special Issue in an effort to better understand the relationship between MNCs and BGDs in the elderly, with the ultimate goal of improving care and quality of life.





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, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

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