



nutrients



an Open Access Journal by MDPI

Diet and Microbiota-Gut-Brain Axis in Neurodegenerative Diseases

Guest Editors:

Dr. Katarzyna Socala

Department of Animal Physiology
and Pharmacology, Maria Curie-
Skłodowska University,
Akademicka 19, 20-033 Lublin,
Poland

Prof. Dr. Piotr Wlaź

Department of Animal Physiology
and Pharmacology, Institute of
Biological Sciences, Maria Curie-
Skłodowska University,
Akademicka 19, 20-033 Lublin,
Poland

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

Neurodegenerative diseases are becoming an increasing social and economic burden for both patients and communities. Finding the causes and novel treatment options for these diseases is of great importance. Recently, considerable attention has been paid to the role of the gut-microbiota axis in the pathophysiology and treatment of neurodegenerative disease. The gut-microbiota communicate with the brain through neuroanatomical pathways, neuroimmunological, neuroendocrine, or metabolic pathways, and evidence shows that dysregulation of the gut-microbiota axis may contribute to the development of neurodegenerative diseases. Consequently, modification of the gut microbiota through diet and nutrition may open up new avenues for the management of neurodegenerative diseases.

This Special Issue will collect original research articles and review papers (systematic reviews and meta-analyses) on the relationship between the gut-microbiota-brain axis and neurodegenerative diseases with a special emphasis on investigations describing the effects of diet and nutrients on symptoms, risk, and pathophysiological aspects of neurodegenerative diseases.



mdpi.com/si/169535

Special Issue



nutrients



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación
Biomédica en Red Fisiopatología
de la Obesidad y la Nutrición
(CIBEROBN), Institute of Health
Carlos III, 28029 Madrid, Spain
2. Research Institute of
Biomedical and Health Sciences
(IUIBS), University of Las Palmas
de Gran Canaria, 35001 Las
Palmas, Spain
3. Preventive Medicine Service,
Centro Hospitalario Universitario
Insular Materno Infantil (CHUIMI),
Canarian Health Service, 35016
Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional
Sciences, University of
Connecticut, Storrs, CT 06269,
USA

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (*Nutrition & Dietetics*) / CiteScore - Q1 (*Nutrition and Dietetics*)

Contact Us

Nutrients Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/nutrients
nutrients@mdpi.com
[X@Nutrients_MDPI](https://twitter.com/Nutrients_MDPI)