

## Special Issue

# The Impact of Nutrition on Brain Metabolism and Disease (2nd Edition)

### Message from the Guest Editors

Diet manipulation has considerable effects on brain physiology and could be of particular importance in the context of global human aging. How different diets/nutritional strategies modulate brain function and homeostasis, with special regard to metabolism, mitochondrial function, redox homeostasis, insulin signaling, neuroinflammation, gut/brain axis, synaptic function, and plasticity, is the focus of this Special Issue. Studies that further unravel mechanistic links between diet composition and nutritional status and the onset or prevention of neurodevelopmental or neurodegenerative diseases are welcomed, in order to provide new insights into physiopathological aspects underlying brain development, function, and aging. Original research reports and review articles from experts in the field will provide an interdisciplinary approach to highlight the beneficial or deleterious impact of different nutritional plans and could represent milestones for designing novel therapeutic targets to counteract several brain diseases linked with malnutrition.

### Guest Editors

Dr. Luisa Cigliano

Dr. Maria Stefania Spagnuolo

Dr. Arianna Mazzoli

### Deadline for manuscript submissions

closed (15 January 2024)



## Nutrients

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## About the Journal

### Message from the Editorial Board

*Nutrients* is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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### Editors-in-Chief

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