

Special Issue

Association of the Microbiota with Neurodegenerative Diseases

Message from the Guest Editor

This Special Issue of *Nutrients* will explore the microbiota–gut–brain axis and the implications for neurodegenerative diseases including the microbiota (intestinal, oral, nasal) and the central nervous system, examining how alterations in gut microbiota composition and function may influence neurodegenerative disease. Articles will investigate (1) the following mechanisms: how the microbiota influences neuroinflammation, the immune system, and the production of neuroactive metabolites that influence brain health, (2) disease-specific dysbiosis: the characteristic changes in gut microbiota profiles associated with different neurodegenerative diseases, (3) lifestyle and environment modulation: how modifiable factors can influence the microbiome and disease risk and progression, (4) dietary modulation: the role of nutrition in shaping the gut microbiota and its potential to modify disease risk and progression, and (5) therapeutic strategies: emerging interventions targeting the gut microbiota, including prebiotics, probiotics, postbiotics, and fecal microbiota transplantation, as novel approaches for preventing or treating neurodegenerative disease.

Guest Editor

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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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