

Special Issue

Gut Microbiota and Cognitive Function

Message from the Guest Editors

The gut and the brain are intimately connected via the so-called gut-brain axis, which involves several bidirectional communication routes via autonomic, immune, endocrine and metabolic pathways. Moreover, based on an extensive body of research in the field of microbiome gut-brain axis in animal models, but also in human research, we are aware that even simple changes in our diet can have long-lasting effects on the gut microbiome and the brain, and mental health and well-being, and that these effects are particularly pertinent or even irreversible during development, when behavioural mechanisms and brain structures are established. For this special issue, we would like to invite contributions that investigate specific sections of the microbiome gut brain-axis. In addition, we would like to invite original research that focuses developmental changes in gut microbiome and microbiome gut-brain axis across the life-span. Finally, we would like to invite the submission of intervention research papers that target the gut microbiome and the microbiome gut brain-axis to enhance cognitive functioning and well-being using nutrition interventions.

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Deadline for manuscript submissions

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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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