# **Special Issue**

# Exploring the Effect of Folate and Other B Vitamins on Brain Health and Disease

# Message from the Guest Editor

Vitamins of the B complex group play critical roles in cellular metabolism, and their deficiency leads to specific disorders. This is of utmost significance in embryonic development, especially in the development of the brain and the structural refinement and metabolic functioning of the neonatal and adult brain. This Special Issue will focus on the role of these vitamins in brain development and function, the disruption of this process, and potential strategies for the prevention and treatment of brain disorders resulting from the deficiency or disrupted metabolism of B vitamins. Special emphasis will be placed on B12 and folate because of their role in fetal and neonatal brain development and in adult brain functional disorders such as depression, dementia, and schizophrenia. We also aim to explore genetic and epigenetic influences on developmental disorders, as well as the role that methyl donors play in regulating this process.

## **Guest Editor**

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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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