

## Special Issue

# The Impact of Early Life Nutrition on Gut Maturation and Later Life Gut Health

### Message from the Guest Editors

Early life nutrition plays a crucial role in the maturation of the gut and overall gut health later in life. An adequate intake of nutrients, in the first month of life can lead to proper gut development and function. A lack of these nutrients can lead to an immature gut microbiome and an increased risk of gut-related issues. Studies have also shown that breastfeeding can have a positive impact on gut maturation and overall gut health.

This Special Issue aims to publish studies investigating how nutrition affects the development of the gut. Including research on the impact of various early life diets on the gut microbiome, the effects of breastfeeding on gut maturation, the role of microRNAs or XenomiRs found in breastmilk, and the relationship between the gut microbiome and health outcomes. We welcome clinical studies that evaluate the effectiveness of interventions designed to improve gut health during the early life period, explore the connection between the gut microbiome and the development and function of the immune system.

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### Guest Editors

Dr. Myrtani Pieri

Dr. Christos Papaneophytou

Dr. Vicky Nicolaidou

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### Deadline for manuscript submissions

closed (25 August 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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