

## Special Issue

# Effects of Gut Microbiota on Hypertension and Cardiovascular System

### Message from the Guest Editors

Cardiovascular disease, including atherosclerosis and hypertension, is an important public health concern. Gut dysbiosis, or a leaky gut, has been described in patients with cardiovascular disease, and may play a fundamental role in the pathogenesis of hypertension and cardiovascular disorders. The interactions between diet and gut microbiota result in gut microbial metabolite disturbances, such as short chain fatty acids, trimethylamine-N-oxide, lipopolysaccharides, and secondary bile acid, which are known to be crucial modulatory factors for host physiology and the cardiovascular system. Dietary nutritional interventions targeting the gut microbiota may be an effective strategy in reducing the risk and burden of cardiovascular disease.

This proposed Special Issue on “Effects of Gut Microbiota on Hypertension and Cardiovascular System” aims to publish selected papers detailing specific aspects of gut microbiota and cardiovascular disease. In particular, papers (reviews and/or clinical or experimental studies) on the effects of specific nutrients and diet–gut microbiota interactions on hypertension and cardiovascular system will be included.

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### Deadline for manuscript submissions

closed (25 May 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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