

# Special Issue

## Nutrition, microRNAs and Human Health

### Message from the Guest Editor

Nutrient intakes affect the transcriptional and translational levels of genes, in particular metabolic genes. The expressional changes of metabolic genes induce many chronic diseases, including lifestyle diseases such as type 2 diabetes, hypertension, lipid abnormalities, and their complications. Recent advances have suggested that expression changes of metabolic genes by nutrient intakes are regulated by a novel mechanism based on microRNAs. MicroRNAs regulates expression of a set of genes by regulating mRNA stability and protein translation. Furthermore, microRNAs can alter expression of genes by regulating epigenetic memories such as histone modifications and DNA methylation. In addition, some microRNAs are secreted to blood in exosomes, and daily nutrient intakes and risk of development of lifestyle diseases can be assessed by microRNAs in blood. Based on all these, you are invited to submit proposals for manuscripts that fit the objectives and topics of this Special Issue.

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### Guest Editor

Dr. Kazuki Mochizuki

Faculty of Life and Environmental Sciences, University of Yamanashi

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### Deadline for manuscript submissions

closed (15 January 2020)



# 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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