

Special Issue

Gene–Nutrient Interactions and Precision Nutrition in Human Health

Message from the Guest Editor

This Special Issue aims to promote a broad and comprehensive understanding of nutrient–gene interactions and their effects to the new field of precision nutrition. It is now well established that a sound understanding of gene–nutrient interactions is fundamental to precision nutrition—we must understand the interactions of nutrients with genes and the ways in which genetic makeup affects nutrient usage if we are to provide accurate and well-tailored nutritional advice at the individual and population levels. Some genes are intrinsically involved in gene–nutrient interactions because the products of these genes are directly responsible for nutrient uptake, transport, metabolism, or function. Other genes are quantitatively regulated by nutrients at the levels of transcription, translation, epigenetic modification, and by other mechanism, all of which may be affected by genomic variation. We welcome manuscripts on all aspects of how the genes themselves, genetic patterns, and nutrients interact at the basic cellular and physiological levels, and how they serve as determinants of individual and population health.

Guest Editor

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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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