Special Issue

Nutrient Digestion, Absorption, Energy Transformation and Metabolism

Message from the Guest Editors

The process of nutrient utilization, which involves digestion, absorption, energy transformation and metabolism, is a key physiological foundation for the optimal functioning of human organs and overall health. The disordered utilization of nutrients increases the risk of nutritional and metabolic diseases, including undernutrition, obesity, metabolic syndrome, and diabetes mellitus, etc. It is notable that the bioavailability of nutrients is affected by intrinsic human factors, such as age, gender and physical activity, as well as dietary factors such as food matrix and origin. processing conditions, and food additives/dietary supplements. Additionally, accumulating evidence suggests that the gut microbiota plays a key role in the acquisition, storage, and expenditure of energy that is obtained from the diet, with its production of digestive enzymes, metabolic products and its synthesis of micronutrients.

This Special Issue invites authors to share their novel research or comprehensive review, with the aim of advancing our understanding of nutrient digestion, absorption, energy transformation and metabolism.

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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 peerreview 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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