

Special Issue

Diet and Disease Development: Mechanisms, Prevention and Treatment—2nd Edition

Message from the Guest Editors

The relationship between diet and disease development or future programming in certain diseases is well known. Diet is the key factor influencing the gut microbiota composition and an important factor in the microbiome balance. Alteration in the microbiome balance plays an important role in physiology and disease states including obesity, diabetes, asthma, allergy, cancer, cardiovascular disease, aging and kidney disease. Hence, recent research has focused on using natural therapies or dietary supplements to modulate the microbiota for disease prevention or to better manage disease development. The mechanisms involved in the direct and transgenerational effects of high/low calorie intake on disease development are not clear. It is also not clear, to date, whether alteration in the microbiota due to bad dietary choices can affect disease onsets or limit disease progression, or whether using dietary supplements or microbiota modulators can limit disease or prevent future disease development.

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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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