

Special Issue

Gene Expression Changes and Variability in Response to Dietary Bioactives: Molecular Mechanisms Associated with Disease Prevention?

Message from the Guest Editors

Numerous nutrigenomic studies have pointed to the modulation of gene expression in cells and tissues as a potential molecular mechanism of action underlying the health benefits attributed to specific dietary components. A thorough revision of the literature in the area clearly shows considerable changes occurring at the level of specific or multiple mRNAs following *in vivo* and *in vitro* exposure to specific (micro)nutrients and dietary compounds. This Special Issue of *Nutrients* encourages the submission of original research or reviews, dealing principally with novel approaches (e.g. pre-clinical experimental designs and models such as organoids and bacteria), as well as of human clinical studies looking at the biological effects of (micro)nutrients and dietary bioactive compounds (or derived metabolites) with special effort towards the understanding of gene expression regulation by those compounds and their association with human health maintenance or disease prevention.

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Deadline for manuscript submissions

closed (15 September 2021)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/63902

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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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