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Diet and Disease Prevention: Dietary Compounds, MicroRNAs or Extracellular Vesicles

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Deadline for manuscript submissions:

closed (15 August 2023)

Message from the Guest Editors

Dear Colleagues,

We are organizing a Special Issue to compile evidences on how certain dietary patterns and some nutritional factors, including dietary compounds (i.e. polyphenols, dietary miRNAs), can alter different outcomes, modulates the secretion of specific extracellular vesicles, and regulate both tissue and circulating microRNAs (miRNAs) expression pattern. MiRNAs are post-transcriptional regulators of gene expression and play a pivotal role in health and disease. Extracellular vesicles are stable nanovesicles released by cells and present in all biological fluids that carry miRNAs, lipids and proteins. This cargo is able to modulate the physiology of recipient cells which can be adjacent to the releasing cells or cells at a distance.

In this context, new studies are needed with the potential to produce significant improvements in knowledge of the relationship between the nutritional status and gene expression modulation. This Special Issue invites authors to submit original research articles, systematic reviews, narrative or scoping reviews that enhance the body of knowledge in this field.



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Special Issue



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