

Special Issue

Nutrition, Epigenetics, and Diseases 2.0

Message from the Guest Editors

It has been largely reported that diets/nutrients may modify the epigenetic regulation of gene expression. Moreover, it is now well documented that they may play a key role in the pathogenesis/prevention of non-communicable diseases (NCDs), including cardiovascular diseases, metabolic syndrome, diabetes mellitus type II, and cancer. Thus, nutraceuticals may represent a valid prevention strategy for NCDs through epigenetic mechanisms. A very important emerging field in this context is the beneficial role that nutraceuticals may exert in NCD patients showing a higher risk of SARS-CoV-2 infection due to their compromised immune responses. In this case, it has been suggested that nutraceuticals may act through epigenetic modifications to normalize the expression of unregulated inflammatory/cytokine markers and lead to the enhancement of adaptive immune responses. We invite authors to contribute either original research articles or review articles to this Special Issue aiming to provide a comprehensive overview on the current knowledge about the role played by diet and nutrients as regulators of complex disease-related epigenetic modifications.

Guest Editors

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