

Special Issue

Food Additives and Ultra-Processed Foods: Their Molecular Impacts on Human Health from Bench to Population

Message from the Guest Editors

At the molecular level, recent studies indicate that certain food additives have the potential to regulate gene expression and influence metabolic pathways. This Special Issue proposes to consolidate cutting-edge investigations on how food additives interact with diverse biological mechanisms, such as inflammation, immune and oxidative stress response, and lipid metabolism, and how these interactions may contribute to the development of modern diseases. We welcome investigations across a broad range of additives, including, but not limit to, artificial sweeteners, preservatives, colorants, and emulsifiers. We invite original research and review articles exploring molecular mechanisms of the interactions among food additives, genomics, epigenomics, and microbiome; in vivo and in vitro experimental research on biological responses to additives; and population-based studies examining associations between processed food consumption and disease burden.

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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 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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