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Mechanisms of Dietary Plant Extracts in the Regulation of Metabolic Syndrome and Inflammatory Disorders (2nd Edition)

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Deadline for manuscript submissions:

closed (15 August 2024)

Message from the Guest Editors

Dear Colleagues,

Several scientific studies have suggested that ingesting dietary plant extract, containing components such as polyphenol, can protect cells from excess inflammatory responses and ameliorate metabolic syndrome via regulating the inflammation-related signaling pathways and changing the gut microbiota.

We encourage the submission of manuscripts focused on addressing the roles of plant extracts or phytochemicals in the regulation of inflammation and metabolic syndrome *in vitro* or *in vivo* models, and further exploring the molecular mechanisms underlying their actions and the assessment of the impact of plant extracts or phytochemicals on metabolic syndrome, gut health, and inflammation-related disorders.

We welcome various types of manuscripts, which are relevant but not limited to the following specific themes:

The effects of polyphenols on metabolic syndrome or inflammation-related intestinal diseases;

The underlying mechanisms of the modulation of the intestinal barrier, gut microbiota, and oxidative stress;

The crosstalk among inflammation, gut microbiota, and host oxidative stress/metabolism.



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Special Issue



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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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