

Special Issue

Anti-inflammatory Activity of Plant Polyphenols

Message from the Guest Editors

Inflammation is the first body response to infection or injury, and is characterized by the migration of immune cells to the site of inflammation, with massive release of pro-inflammatory mediators, including cytokines, chemokines, prostaglandins, leukotrienes, and oxidative agents. The plant kingdom has developed a multitude of secondary metabolites, many of which are recognized as useful tools for the maintenance of human health. Several botanicals from edible or medicinal plants are widely consumed all over the world for health purposes, as different types of products, including herbal medicinal products, plant food supplements, and functional foods. The purpose of this Special Issue is to collect new findings on the anti-inflammatory activity of polyphenols from plants, as individual compounds or as ingredients of extracts, focusing mostly on their effects on the inhibition of pro-inflammatory mediators and their mechanism of action. Both *in vitro* and *in vivo* studies are welcome.

Guest Editors

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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