

Special Issue

Roles of Phytochemicals in Molecular Signaling Networks

Message from the Guest Editor

Naturally occurring phytochemicals in plants have attracted considerable interest due to their wide-ranging biological activities and therapeutic potential. Growing evidence shows that phytochemicals modulate key molecular signaling pathways involved in inflammation, oxidative stress, apoptosis, cell proliferation, and metabolism. Understanding these interactions is crucial for developing novel preventive and therapeutic strategies for chronic diseases such as cancer, neurodegenerative disorders, cardiovascular diseases, and metabolic syndromes. This Special Issue aims to explore the molecular interaction networks through which phytochemicals exert their biological effects, with a focus on preclinical and clinical studies, novel compounds, and emerging technologies such as omics and systems biology. Submissions addressing structure–activity relationships, synergistic effects, and translational potential are also encouraged. We invite original research articles and comprehensive reviews that advance the current understanding of phytochemical-mediated molecular signaling networks.

Guest Editor

Prof. Dr. Jui-Hung Yen

Department of Molecular Biology and Human Genetics, Tzu Chi University, Hualien 97004, Taiwan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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