

Special Issue

Current Research on Phenolic Profiles and Anti-Inflammatory Activities of Plants

Message from the Guest Editors

Inflammation is a key biological defense, but chronic inflammation drives diseases like cardiovascular disorders, arthritis, cancer, diabetes, and neurodegeneration. Traditional medicinal plants offer anti-inflammatory benefits by suppressing pro-inflammatory cytokines, modulating pathways like MAPKs, NF- κ B, and NLRP3, and reducing oxidative stress. Incorporating them into diets or therapies shows promise for managing inflammation-related conditions. Phenolic compounds—flavonoids, phenolic acids, tannins, and lignans—are especially effective. Modern tools like HPLC and MS now allow detailed profiling of these compounds, revealing strong links between their presence and anti-inflammatory activity. We invite you to contribute to the International Journal of Molecular Sciences (IJMS) Special Issue: “Current Research on Phenolic Profiles and Anti-inflammatory Activities of Plants.” This issue seeks original research and reviews on plant phenolics’ roles in inflammation modulation, with attention to bioavailability, metabolism, and therapeutic potential. We welcome your valuable submissions.

Guest Editors

Prof. Dr. Chi-Rei Wu

Department of Chinese Pharmaceutical Sciences and Chinese Medicine Resources, China Medical University, Taichung 404328, Taiwan

Prof. Dr. Li-Wei Lin

School of Chinese Medicines for Post-Baccalaureate, I-Shou University, Kaohsiung 82445, Taiwan

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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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