



Bioactive Compounds: Potential New Anti-inflammatory Drugs

Guest Editors:

Prof. Dr. Yu-Hsiang Kuan

Department of Pharmacology,
School of Medicine, Chung Shan
Medical University, No. 110, Sec.
1, Jianguo N. Rd., Taichung 402,
Taiwan

Prof. Dr. Chunjung Chen

Department of Medical Research,
Taichung Veterans General
Hospital, Taichung 407, Taiwan

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Message from the Guest Editors

The World Health Organization (WHO) has proposed that inflammatory diseases are the greatest threat to human health in the world. The development of compounds able to effectively reduce the inflammatory responses and have no adverse effects is the topic of popular concern. Bioactive compounds are molecules and found from natural products including animals, plants, microbes, marine organisms. Bioactive compounds appear to have health benefits and therapeutic effects via anti-inflammation, anti-oxidation, immunomodulation, and anti-toxic effect. A growing number of signal transductions participate in the regulation of inflammation, including MAPK family pathway, I κ B/NF κ B pathway, JAK/STAT pathway, the priming and activating NLRP3 inflammasome, cytokine storm, pyroptosis pathway, apoptotic pathway, etc.

This Special Issue aims to cover original and review articles presenting outstanding data on the development of new bioactive compounds and relative molecular mechanisms for anti-inflammation.





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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

Message from the Editor-in-Chief

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