

Special Issue

Polyphenol and Its Related Compounds: Bioactivity and Molecular Mechanism

Message from the Guest Editors

Polyphenols are one of the secondary metabolites found in plants and food ingredients. Over the past 20 years, a number of studies have revealed their function on life activities, which correlates with the prevention of neurodegenerative diseases, obesity, diabetes, cancer, cardiovascular diseases, and so on. Recently, there has been a great amount of interest and various scientific advances in the molecular mechanism of these compounds, which suggests a potential of clinical application and novel biological process as well. The Special Issue aims to collect cutting-edge studies on the bioactivity of polyphenols and their related compounds, which could contribute to the improvement of human health and disease prevention. The Special Issue is expected to examine the molecular mechanism on the basis of experimental approaches from the fields of cell biology, biochemistry, molecular biology, pharmacology, and chemical biology. Original articles and reviews in these areas are of interest.

Guest Editors

Dr. Yusaku Miyama
Dr. Jun Watanabe
Prof. Dr. Hiroko Isoda

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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