Special Issue

Characterization, and Protective Effects on Metabolic Syndrome of Functional Components in Food

Message from the Guest Editors

The global epidemic of metabolic syndrome has laid a heavy burden on families and governments, causing a loss of economic activity in the trillions. It is worth noting that recent research has exemplified the critical role of functional food components (e.g., polyphenols, polysaccharides, and peptides) in metabolic syndrome. However, there are still some research gaps in this field that need to be unraveled. The Special Issue of "Characterization, and Protective Effects on Metabolic Syndrome of Functional Components in Food" welcomes cutting-edge research and review articles to address these issues:

- Identify novel functional foods with potential for metabolic syndrome;
- Characterize the active components by traditional methods or by high-throughput sequencing;
- Unravel the underlying mechanism and make clear the target gene/signaling pathway;
- Understand the structural activity relationship to offer prospective information for future studies.

Guest Editors

Dr. Qian Zhou

Institute for Advanced Study, Shenzhen University, No. 3688 Nanhai Avenue, Shenzhen 518060, China

Dr. Marcin A. Kurek

Department of Technique and Food Development, Institute of Human Nutrition Sciences, Nowoursynowska 159c Street, 02-776 Warsaw, Poland

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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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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all 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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