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Modifications of Natural Compounds to Increase Their Bioactivity and Application in Functional Food

Guest Editors:

Prof. Dr. Jozefa Chrzanowska

Faculty of Biotechnology and Food Science, Wrocław University of Environmental and Life Sciences, Wrocław, Poland

Dr. Anna Gliszczyńska

Faculty of Biotechnology and Food Science, Wrocław University of Environmental and Life Sciences, Wrocław, Poland

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Message from the Guest Editors

The increasing incidence of diet-related diseases identified among populations causes more decisive prophylactic efforts to change people lifestyle and diet. One of the important elements in that approach is functional food, which, in addition to its high nutritional value, shows health beneficial properties upon enriching it in bioactive compounds.

These components include: biopeptides, some oligosaccharides, fiber, vitamins, minerals, unsaturated fatty acids, phospholipids and polyphenolic compounds. Those substances, isolated with different yield from natural sources, exhibit certain type of bioactivity, which may vary in food depending on its kind and process parameters. However, it is important that the bioactivity in food product stays high and stable, which can be achieved by prior modification of the substances or using their proper composition. Their beneficial properties should be confirmed in vitro and in vivo studies.



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Special Issue



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN 47907, USA

2. Department of Comparative
Pathobiology, Purdue University,
West Lafayette, IN 47907, USA

Message from the Editor-in-Chief

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Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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