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

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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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Message from the Editor-in-Chief

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