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Current Trends in Food-Derived Peptidic Antioxidants

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Message from the Guest Editors

Antioxidants play crucial roles in attenuating various oxidative processes in the human body as well as in the food system. Bioactive peptides with antioxidant activities can also be derived from different protein-rich foods and their byproducts. Thus, dietary peptidic antioxidants are currently receiving attention in the global scientific community due to their potential health benefits. Protein hydrolysis by enzymatic treatment has been widely used to produce biologically active peptides with a molecular weight below 2000 Da. However, novel antioxidative peptides are also produced during the processing and preservation of foods. Moreover, chemical modifications and bioconjugations of proteins and peptide fractions are being employed to design new bioactive compounds with improved functionalities, including antioxidant activity. This Special Issue aims to converge the latest research trends and scientific knowledge on peptidic antioxidants derived from different proteins of plant and animal origins with a particular emphasis on the processes and methods of their preparation, isolation, and characterization and their relevance to human health promotion, disease prevention.



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Special Issue



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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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