Special Issue

Antioxidant Properties and Potential Mechanisms of Protein Hydrolysates

Message from the Guest Editor

Many studies claimed that physiological effects for antioxidant peptides have been observed in vitro, but these compounds can be degraded after oral ingestion, produce local effects in the gastrointestinal tract, or can be absorbed through the intestine and intactly enter blood circulation and exert systemic effects. Moreover, after being absorbed by the small intestine, the non-digested and/or non-absorbed food peptides enter the large intestine or colon where they can also be metabolised by intestinal microbiota. In vivo assays that have proven hydrolysates to be effective in animal and humans and studies to discover the mechanisms that could be responsible have been performed. However, further research is needed in order to clarify the relevance and potential therapeutic role of bioactive peptides in human health. This Special Issue aims to publish original research papers and reviews regarding to antioxidant properties of food protein hydrolysates, especially in vivo studies. Papers exploring the potential mechanism of action involved in their biological effect are also welcome.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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