

Special Issue

New Advances in the Research of Antioxidant Food Peptides

Message from the Guest Editors

During cell metabolism, oxygen is partially reduced to reactive oxygen species (ROS) that play a physiological role in cellular processes, an imbalance between the production of ROS and the ability of defenses to detoxify the organism provokes a status of oxidative stress. This status and its subsequent damages to vital cellular components have been associated with numerous severe chronic disorders. In addition, oxidation reactions are responsible for food deterioration during processing and storage. Peptides from animal and vegetal food sources have attracted attention because of the large evidence on their in vitro antioxidant properties. In addition to their potential as safer alternatives to synthetic antioxidants used to prevent oxidative reactions in foods, antioxidant peptides can also act by reducing the risk of numerous oxidative stress-associated diseases. Furthermore, peptides can act synergistically with nonpeptide antioxidants, enhancing their protective effect.

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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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