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New Advances in the Research of Antioxidant Food Peptides

Guest Editors:

Prof. Dr. Lourdes Amigo

Instituto de Investigación en
Ciencias de la Alimentación,
Consejo Superior de
Investigaciones Científicas (CSIC),
Madrid, Spain

**Dr. Blanca Hernández-
Ledesma**

Instituto de Investigación en
Ciencias de la Alimentación
(CIAL), Consejo Superior de
Investigaciones Científicas (CSIC).
c/ Nicolás Cabrera 9, 28049
Madrid, Spain

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Message from the Guest Editors

Dear Colleagues,

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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Special Issue



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

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

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

Message from the Editor-in-Chief

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Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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