



Agri-Food Wastes as Natural Source of Bioactive Antioxidants

Guest Editors:

Prof. Dr. Silvana Hrelia

Department for Life Quality
Studies, Alma Mater Studiorum,
University of Bologna, 47921
Rimini, Italy

Dr. Cristina Angeloni

Department for Life Quality
Studies, Alma Mater Studiorum-
University of Bologna, Corso
D'Augusto 237, 47921 Rimini, Italy

Dr. Maria Cristina Barbalace

Department for Life Quality
Studies, Alma Mater Studiorum,
University of Bologna, Bologna,
Italy

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Message from the Guest Editors

The agri-food industry produces a large amount of organic waste, constituting skins, peels, seeds, leaves, and other inedible fractions that are usually underutilized and cause serious problems for the environment. The broad presence of antioxidants in the plant kingdom and, therefore, in agri-food waste has led to an increase in interest in their recovery and further exploitation. In this regard, agri-food by-products represent a massive and low-cost source of natural bioactive compounds. To effectively recover these, it is necessary to develop green and sustainable alternatives to conventional extraction methods to increase the extraction yield and decrease the extraction time and solvent consumption.

Therefore, this Special Issue will collect research papers and reviews on the *in vitro* and *in vivo* bioactivity of antioxidant compounds from agri-food by-products, considering the different green extraction techniques used to obtain them from waste biomasses, and emphasizing their ability to modulate the complex signaling crosstalk underpinning chronic/degenerative disease development and progression.





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Editor-in-Chief

**Prof. Dr. Alessandra
Napolitano**

Department of Chemical
Sciences, University of Naples
"Federico II", Via Cintia 4, I-80126
Naples, Italy

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

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