

Special Issue

Antioxidant Properties and Applications of Food By-Products

Message from the Guest Editor

Food manufacturing generates large amounts of by-products, most of which are traditionally regarded as food waste. This classification subsequently leads to resource waste and environmental pollution due to by-product disposal. In reality, these food by-products are enriched with valuable substances, such as natural oxidants and macronutrients with potential applications in functional foods, pharmaceuticals, cosmetics and other industries. This Special Issue intends to cover recent updates on the antioxidant properties and applications of food by-products in various industries. Topics include, but are not limited to, the extraction, characterization, antioxidant features and other bioactivities of nutritional or functional substances in food by-products. Studies on the novel processing methods and potential applications of food by-products, as well as the components that can provide benefit, are also welcome.

Guest Editor

Dr. Kai Wang
School of Food Science, South China Agricultural University,
Guangzhou 510642, China

Deadline for manuscript submissions

closed (31 August 2025)



Antioxidants

an Open Access Journal
by MDPI

Impact Factor 8.2
CiteScore 14.7
Indexed in PubMed



mdpi.com/si/188529

Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

[mdpi.com/journal/
antioxidants](https://mdpi.com/journal/antioxidants)





Antioxidants

an Open Access Journal
by MDPI

Impact Factor 8.2
CiteScore 14.7
Indexed in PubMed



[mdpi.com/journal/
antioxidants](https://mdpi.com/journal/antioxidants)



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

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples “Federico II”,
Via Cintia 4, I-80126 Naples, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, PubAg, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Clinical Biochemistry)