

Special Issue

From Waste to Health: Upcycling Agrifood By- Products into Functional Antioxidant-Rich Ingredients and Products

Message from the Guest Editors

As the food industry shifts toward sustainability, transforming agrifood waste into functional ingredients addresses environmental and public health needs. These by-products are rich in polyphenols and bioactives with antioxidant potential to reduce oxidative stress and neutralize reactive oxygen species. This Special Issue highlights advances in upcycling agrifood by-products into antioxidant-rich ingredients. We welcome submissions on green extraction, bioactive characterization, and functional food development. We encourage studies on oxidative stress modulation, ROS-related pathways, and their role in chronic disease prevention. Research on encapsulation to enhance antioxidant bioavailability is also invited. Studies assessing safety, efficacy, and consumer acceptance are highly encouraged. We invite original research and reviews positioning agrifood by-products as key resources for health innovation.

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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.

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