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Innovative Technologies for Detecting Antioxidant Properties and Oxidative Stabilization of Agri-Food Products and Plant Extracts

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Message from the Guest Editor

Food provides essential amino acids, carbohydrates, proteins, vitamins, minerals, and other vital nutrients that support daily human activities, energy, and nutritional needs. From an economic perspective, recycling waste agri-food by-products can address environmental issues and provide valuable resources for extraction in various industries. The development of green extraction and formulation methods tailored to each antioxidant is crucial for maintaining the stability of active ingredients and ensuring effective delivery to their targets. These extracts are rich in bioactive compounds such as polyphenols and flavonoids, which possess significant antioxidant activity, as well as nutraceutical and biomedical benefits.

This Special Issue aims to highlight the use of cutting-edge technologies to detect the antioxidant properties and oxidative stability of agri-food products and plant extracts. We welcome all types of articles, including original research, numerical studies, and comprehensive reviews related to (but not limited to) these topics.

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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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