

Special Issue

Exploring the Multifaceted Role of Antioxidants: From Molecular Mechanisms to Therapeutic Applications

Message from the Guest Editors

Investigating antioxidants is crucial as they mitigate oxidative stress, suppress inflammation, preserve mitochondrial function, modulate cellular signaling pathways, fortify the immune system, and enhance toxin metabolism and excretion. This Special Issue will explore the protective role of antioxidants against toxicity across diverse biological models, including human-oriented models, plants, invertebrates, vertebrates, and cell lines. By encompassing various experimental systems and promoting interdisciplinary research, we aim to highlight cutting-edge research and novel insights. Our aim is to provide a comprehensive understanding of antioxidant mechanisms, their interactions with biological systems, and their potential therapeutic applications. We welcome submissions that explore the multifaceted role of antioxidants, from molecular mechanisms to clinical and environmental applications, fostering collaboration between scientific disciplines to improve health and mitigate oxidative stress and environmental toxins.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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