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Exploring Natural Products as Modulators of Oxidative Stress in Health and Disease

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Deadline for manuscript submissions:

closed (25 October 2024)

Message from the Guest Editors

In recent years, natural products have become increasingly popular due to the wide range of biological activities ascribed to them. In particular, their ability to modulate oxidative stress has been proposed as a potential strategy via which to promote human health.

The aim of this Special Issue is to collect studies focused on unveiling the dual antioxidant or pro-oxidant role of natural products and the possible pharmaceutical applications and safety.

The scope of this Special Issue includes, but is not limited to, the following:

- discovering novel sources of antioxidants;
- investigating the role of antioxidant agents in countering various pro-oxidant stressors and their effectiveness in experimental models of inflammatory and oxidative-related diseases;
- unravelling the mechanism underlying the potential adverse reactions associated with antioxidant agents;
- exploring the effects on cell signaling pathways and molecular targets;
- carrying out pharmacokinetic and digestion studies to better understand the absorption and metabolism of antioxidants;
- clarifying the safety and efficacy of antioxidants in clinical trials.



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Special Issue



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Message from the Editor-in-Chief

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