

Special Issue

Exploring the Antioxidant Potential and Phenolic Diversity of Forest-Derived Plants

Message from the Guest Editors

This Special Issue solicits research focusing on studies on the chemical diversity of forest-derived plants, phytochemical and antioxidant activity analysis of plant extracts, including but not limited to the identification and quantification of antioxidant components and phenolic compounds in these plants, the exploration of their antioxidant mechanisms, the influence of different extraction and separation methods on antioxidant potential and phenolic diversity, and the evaluation of the antioxidant activity of plant extracts in vitro and in vivo. Furthermore, this Special Issue encourages a targeted search for new ingredients of food, cosmetic, or herbal therapeutic preparations with desired functional properties, assessing their chemical composition and the influence of technological factors on them. To comprehensively explore the antioxidant potential and phenolic diversity of forest-derived plants, aiming to provide a theoretical basis for the development and utilization of forest plant resources, and to promote the application of these plants in the fields of food, medicine, and cosmetics.

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Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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