

Special Issue

Potential Secondary Metabolites in Crops

Message from the Guest Editors

Research on bioactive compounds in crops has grown rapidly due to their health and agricultural significance. Historically used in traditional medicine, scientific advances now enable precise analysis of biologically active compounds, supporting the development of functional foods and eco-friendly crop protection methods. Implementing these concepts enhances crop value and sustainability. This Special Issue focuses on innovative research related to the **biosynthesis, distribution, and application of bioactive compounds in crops**. It aims to connect fundamental biochemical studies with practical approaches for crop cultivation improvement, health promotion, and sustainable agriculture. Topics include metabolic pathways, genetic enhancement, improvements in phytochemical analysis techniques, bioactivity of herbal compounds, and crop residue valorization. Submissions should involve state-of-the-art methodologies, emphasizing novel insights into the roles of phytochemicals in plant resilience and human health. They should present original research, be well-supported by experimental data, and demonstrate clear relevance to agronomic practices and crop improvement

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