

Special Issue

Sustainable Practices in Tea Plantations

Message from the Guest Editors

Against the backdrop of intensifying global climate change and ecological security challenges, the sustainable transformation of tea plantations has become a core issue in the horticultural industry. This Special Issue aims to systematically explore the synergistic mechanisms for resource optimization, environmental resilience, and economic feasibility within tea cultivation ecosystems. The research encompasses key technological breakthroughs in soil health management, the breeding of elite germplasm, the control of biotic and abiotic stresses, and carbon neutrality pathways. Simultaneously, examines policy-driven certification development and innovations in value distribution across the industry chain, facilitating a shift from a "yield-oriented" approach to a triad paradigm of "quality–low carbon–equity". This collection integrates interdisciplinary findings from tea plantation ecology, precision agriculture, and circular economy. It not only provides solutions to critical bottlenecks such as tea replanting obstacles and chemical dependency, but also lays a scientific foundation for establishing climate-smart farming standards for the global tea industry.

Guest Editors

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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