Special Issue

Exploring Sustainable Strategies That Control Fungal Plant Diseases

Message from the Guest Editors

As the world moves towards sustainable agriculture, the control of fungi that cause plant diseases remains a major challenge, affecting agricultural yield losses, food security, and ecosystem health. Traditional control methods, often reliant on chemical fungicides, face issues of sustainability, human health risks, and the development of resistance in target fundi. There is a growing need to move towards more environmentally friendly and sustainable management practices. This Special Issue focuses on exploring sustainable strategies for the management of fungal plant diseases. It aims to enhance our understanding of how biocontrol innovations, the genetic enhancement of plant resistance, and sustainable agricultural practices can converge to form integrated and enduring solutions. This Special Issue will include interdisciplinary studies that bridge phytopathology with molecular biology, ecology, agronomy, and other relevant disciplines.

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