

Special Issue

Antimicrobial Activity of Plant Extracts Against Plant Pathogens

Message from the Guest Editors

The agricultural industry has long relied on synthetic chemicals to combat plant pathogens, leading to concerns over environmental and health impacts. Furthermore, the misuse of these chemicals is resulting in the development of microbial resistance. This Special Issue aims to explore the potential of natural plant extracts in combating microbial species and enhancing productivity in horticulture. It seeks to assess various plant extracts' antimicrobial properties and their suitability for controlling bacterial, viral, and fungal infections in plants. Additionally, this Special Issue aims to investigate the mechanisms of action of these natural compounds and explore strategies for their application in agricultural settings. The cutting-edge research that will be featured in this Special Issue includes studies on the efficacy of different plant extracts, essential oils, and active compounds in inhibiting the growth of phytopathogenic microorganisms. Researchers are also encouraged to investigate novel formulations to enhance the solubility and bioavailability of these natural compounds, thus improving their effectiveness in the field.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/201934

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Editor-in-Chief

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