

## Special Issue

# Fungal Endophytes in Plant—the Way Ahead

### Message from the Guest Editors

Most plants harbor endophytic fungi inside their tissues, generating a close bond that promotes growth in different ways. These microorganisms produce bioactive compounds or metabolites with various biological activities that can be directly or indirectly described as phytohormones or plant growth-promoting agents. Currently, there are many questions about how this symbiosis works, and attempts are being made to elucidate what benefits both plants and fungi receive from this association. For this Special Issue, we invite original research that explores the characterization of the interaction between the plant and the endophytic fungus, addressing different strategies that may include molecular, physiological, and ecological studies, among others. We welcome manuscripts addressing the mechanisms involved in the establishment of the plant–endophytic fungus association, the exchange of nutrients between both organisms, the influence of the interaction on plant nutrition, its impact on plant performance against biotic and abiotic stress factors, and the potential of endophytic fungi to develop tools applied to crop improvement. We look forward to receiving your contributions.

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### Deadline for manuscript submissions

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