

Special Issue

Grass and Endophyte Interactions

Message from the Guest Editors

Grasses are the host of symptomless endophytic fungi, from *Epichloë* genera. For agricultural practice, this symbiosis has a positive effect on the grasses inhabited by these fungi, but at the same time, the fodder from grasses inhabited by these fungi may adversely affect livestock. Endophyte-infected grasses express a range of adaptations to abiotic (drought, mineral imbalance, soil acidity) and biotic (disease, pest, or animals) stresses. As a result, endophyte-infected grasses are more compatible than non-infected grasses and thrive better in the presence of limited resources. However, in certain circumstances, endophytes may produce toxic alkaloids (ergovaline, lolitrem B, etc.) that have been linked with animal production and health problems. In this Special Issue, we invite papers on the association of grasses with endophytes and an examination of the alkaloids produced by these fungi. Papers describing the reactions of grasses inhabited by endophytes to biotic and abiotic stresses as well as the adverse effects of alkaloids on farm animals will be of interest.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2023)



Plants

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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