Ecology Evolution Grass Endophyte Symbiosis Cheplick

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Ecology Evolution Grass Endophyte Symbiosis

In the first book of its kind, Gregory P. Cheplick and Stanley H. Faeth provide a new synthesis of existing studies of endophyte-grass symbioses within the context of modern ecological and evolutionary concepts.

Insect oviposition preference between Epichloë-symbiotic and Epichloë-free populations of Aspernima junceum - University of Florida

Grass-endophyte symbiosis: A neglected aboveground interaction in the grassland community - ScienceDirect

The grass–endophyte symbiosis is a promising interaction that, like those involving nitrogen-fixing bacteria and mycorrhizal fungi, may become an important tool for sustainable agriculture.

Phylogenetic evidence for an animal pathogen origin of grass-associated fungi (Grass symbionts) in the family Clavicipitaceae (Ascomycota, Hypocreales) are species whose host range is restricted to the plant family Poaceae and rarely Cyperaceae. The fact...

Evolution of endophyte-plant symbioses - ScienceDirect

Ecology and evolution of the grass-endophyte symbiosis ... symbiotic associations between plants and fungi are extremely common in nature, ranging from highly parasitic to closely mutualistic. Grasses, which are common and ecologically important components of many ecosystems worldwide, are often infected by clavicipitaceous fung...