

# Histology, Ultrastructure and Molecular Cytology of Plant-Microorganism Interactions

Developments in Plant Pathology

## Histology, Ultrastructure and Molecular Cytology of Plant-Microorganism Interactions

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This work offers descriptions of cellular aspects of interactions between plants and micro-organisms, including lichens, and also covers infections by viruses, trypanosomes and nematodes. The detailed reviews are accompanied by nearly 250 appropriate micrographs. Topics covered include: techniques that may be of use in studying plant infections such as colloidal gold cytochemistry, in situ hybridization, histochemical detection of polyphenols, cytodetection of pathogens, monoclonal antibodies and image analysis; host aggression by bacteria, fungi and nematodes with emphasis on adhesion, penetration and plant cell modifications; defense mechanisms of infected plants, including trees, cytolocalization of molecules involved in host resistance, plant responses to parasites or symbiotic micro-organisms. Comparisons are also given between pathogenic interactions and mutualistic associations.

作者介绍:

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