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Nota di contenuto	1. Expanding the paradigms of plant pathogen life history and evolution of parasitic fitness beyond agricultural boundaries / Cindy E. Morris ... [et al.] -- 2. Two plant viral suppressors of silencing require the ethylene-inducible host transcription factor RAV2 to block RNA silencing / Matthew W. Endres ... [et al.] -- 3. Enhanced disease susceptibility 1 and salicylic acid act redundantly to regulate resistance gene-mediated signaling / Srivathsa C. Venugopal ... [et al.] -- 4. Strategies of nitrosomonas europaea 19718 to counter low dissolved oxygen and high nitrite concentrations / Ran Yu and Kartik Chandran -- 5. A novel pathogenicity gene is required in the rice blast fungus to suppress the basal defenses of the host / Myoung-Hwan Chi ... [et al.] -- 6. Differential gene expression in incompatible interaction between wheat and stripe rust fungus revealed by Cdna-AFLP and comparison to compatible interaction / Xiaojie Wang ... [et al.] -- 7. Generation and analysis of expression sequence tags from haustoria of the wheat stripe rust fungus Puccinia striiformis f. sp. Tritici / Chuntao Yin ... [et al.] -- 8. Living the sweet life : how does a plant pathogenic fungus acquire sugar from plants? / Nicholas J. Talbot -- 9. FRAP analysis on red alga reveals the fluorescence recovery is ascribed to intrinsic photoprocesses of phycobilisomes rather than large-scale diffusion / Lu-Ning Liu ... [et al.] -- 10. Distinct, ecotype-specific genome and proteome signatures in the marine cyanobacteria Prochlorococcus /

Sandip Paul ... [et al.] -- 11. Global expression analysis of the brown alga Ectocarpus siliculosus (Phaeophyceae) reveals large-scale reprogramming of the transcriptome in response to abiotic stress / Simon M. Dittami ... [et al.] -- 12. Chloroplast genome sequence of the moss Tortula ruralis : gene content, polymorphism, and structural arrangement relative to other green plant chloroplast genomes / Melvin J. Oliver ... [et al.] -- 13. Erwinia carotovora elicitors and botrytis cinerea activate defense responses in physcomitrella patens / Ines Ponce de Leon ... [et al.].

Sommario/riassunto

<P>This volume includes the latest research into the diseases that affect non-vascular plants. The chapters bring to light the most recent studies of pathogen identification, disease etiology, disease cycles, economic impact, plant disease epidemiology, plant disease resistance, how plant diseases affect humans and animals, pathosystem genetics, and management of plant diseases. The information provided here helps readers to stay current with this field's ongoing research and ever-developing knowledge base.</P>