

1. Record Nr.	UNINA9910816731403321
Titolo	Biocomplexity of plant-fungal interactions // edited by Darlene Southworth
Pubbl/distr/stampa	Ames, Iowa, : Wiley-Blackwell, c2012
ISBN	9786613375995 9781118314159 1118314158 9781283375993 1283375990 9781118314364 1118314360 9781118314142 111831414X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (247 p.)
Altri autori (Persone)	SouthworthDarlene <1941->
Disciplina	579.5
Soggetti	Plant-fungus relationships
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Fungal endophytes as a driving force in land plant evolution: evidence from the fossil record / Michael Krings, Thomas N. Taylor, and Nora Dotzler -- Molecular interactions in mycorrhizal development / Jonathan M. Plett and Francis Martin -- Arbuscular mycorrhizas and grassland ecosystems / R. Michael Miller, Gail W.T. Wilson, and Nancy Collins Johnson -- Mycorrhizal networks and seedling establishment in Douglas-fir forests / Suzanne W. Simard -- Biology of mycoheterotrophic and mixotrophic plants / Hugues B. Massicotte ... [et al.] -- Fungi and leaf surfaces / Ryan W. Shepherd and George J. Wagner -- Fungal influence on plant tolerance to stress / Russell J. Rodriguez, Claire J. Woodward, and Regina S. Redman -- Fungi, plants and pollinators: sex, disease, and deception / Tobias J. Policha & Bitty A. Roy -- Dynamic interplay in a multivariate world: case studies in mycorrhizal and endophytic fungal interactions with herbivores / Louis J. Lamit and Catherine A. Gehring -- Biocomplexity in plant fungal

interactions / Darlene Southworth.

Sommario/riassunto

Plants interact with a wide variety of organisms in their natural growing environments. Key amongst these relationships is the interplay between plants and diverse fungal species that impact plants in complex symbiotic, parasitic and pathogenic ways. Biocomplexity of Plant-Fungal Interactions explores a broad spectrum of research looking at both positive and negative interactions of these relationships on plants and their ecosystems. Biocomplexity of Plant-Fungal Interactions takes a more holistic view of the plant-fungal interactions than most traditional volumes on the topic.
