

1. Record Nr.	UNINA9910446326803321
Titolo	Molecular plant-microbe interactions // edited by Kamal Bouarab, Normand Brisson and Fouad Daayf
Pubbl/distr/stampa	Cambridge, MA, : CABI North American Office, 2009
ISBN	1-282-38751-0 9786612387517 1-84593-575-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (354 p.)
Altri autori (Persone)	BouarabKamal BrissonNormand <1955-> DaayfFouad
Disciplina	632/.3
Soggetti	Plants - Disease and pest resistance Plant-microbe relationships Fungal diseases of plants Virus diseases of plants
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	Contents; Contributors; Preface; 1 Plant RNA-silencing Immunity and Viral Counter-defence Strategies; 2 Mitogen-activated Protein Kinase Cascades in Plant Defence Responses; 3 Molecular Mechanisms of the Radical Burst in Plant Immunity; 4 Disease Resistance in Arabidopsis, Starring TGA2 and also Featuring NPR1; 5 Disease Resistance Genes: Form and Function; 6 Transcription Factor Families Involved in Plant Defence: from Discovery to Structure; 7 Cross Talk Between Induced Plant Immune Systems; 8 The Needle and the Damage Done: Type III Effectors and the Plant Immune Response 9 Virulence Determinants and the Global Regulation of Virulence in Xanthomonas campestris10 Suppression of Induced Plant Defence Responses by Fungal and Oomycete Pathogens; 11 Sustainable Agriculture and the Multigenomic Model: How Advances in the Genetics of Arbuscular Mycorrhizal Fungi will Change Soil Management Practices; 12 Microbial Traits Associated with Actinobacteria Interacting with Plants; 13 Insight into Fusarium-Cereal Pathogenesis; Index

Sommario/riassunto

There have been major developments in the field of plant-microbe interactions. This book explores these discoveries, focusing on the mechanisms controlling plant disease resistance, the cross-talk among the pathways involved and the strategies used by the pathogens to suppress these defences.
