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""VASCULAR WILT OF TOMATO CAUSED BY FUSARIUM OXYSPORUM F. SP. LYCOPERSICI ""; ""ABSTRACT ""; ""INTRODUCTION""; "" GENERAL CHARACTERISTICS OF FUSARIUM SPECIES ""; ""HOST PLANTS""; ""FUSARIUM OXYSPORUM F. SP. LYCOPERSICI ""; ""FUSARIUM WILT DISEASE OF TOMATO ""; ""THE FUSARIUM COLONISATION CYCLE ""; ""SYMPTOMOLOGY AND EPIDEMIOLOGY ""; ""PLANT DEFENCE AGAINST FUSARIUM SPECIES ""; ""FUSARIUM VIRULENCE FACTORS ""; ""TOMATO-FUSARIUM ARMS RACES""

""QUANTITATIVE MOLECULAR DIAGNOSTIC TOOLS""""ECONOMIC IMPORTANCE AND DISEASE MANAGEMENT ""; ""CONCLUSION ""; ""REFERENCES ""; ""ETIOLOGY AND MANAGEMENT OF ASPARAGUS CROWN AND ROOT ROT""; ""ABSTRACT ""; ""INTRODUCTION""; ""Symptomatology ""; ""ETIOLOGY""; ""The Causal Agents ""; ""Distribution and Host Range ""; ""Pathogenicity ""; ""Inoculum Survival and Conditions that Favour Infections ""; ""Genetic Diversity ""; ""MANAGEMENT OF FCRR ""; ""Resistant Cultivars ""; ""Chemical Control ""; ""Cultural Practices Using Soil Amendments""; ""Biological and Integrated Control ""

""ACKNOWLEDGMENT """"REFERENCES ""; ""LECTINS: IMPORTANT TOOLS FOR BIOCONTROL OF FUSARIUM SPECIES ""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""1.1. Lectins: Definition and Applications ""; ""1.2. Fusarium Species and Environmental Effects ""; ""2. SYNTHETIC ANTIFUNGAL AGENTS FOR FUSARIUM CONTROL ""; ""2.1. Why Look for Alternatives to Synthetic Antifungal Agents?""; ""3. NATURAL ANTIFUNGAL AGENTS ""; ""3.1. Plant-derived Compounds with Antifungal Activity against Fusarium""; ""4. ANTIFUNGAL ACTIVITY OF PLANT LECTINS ON FUSARIUM""; ""CONCLUSION ""; ""ACKNOWLEDGMENTS ""; ""REFERENCES ""

""ANTIFUNGAL PROTEINS FOR CONTROL OF FUSARIUM SPECIES ""

Sommario/riassunto

Fusarium is commonly associated with higher plants and are among the most ubiquitous fungi in terrestrial ecosystems. Many fusarium species are serious plant pathogens, causing symptoms such as necrotic lesions, rot, and wilt. In this book, the authors present current research in the study of the epidemiology, environmental sources and prevention of fusarium. Topics include the development of natural products from fusarium including chemotherapeutic agents for human diseases and agricultural applications; the molecular basis of fusarium wilt in tomatoes and disease management; lectin preparations for the biocontrol of fusarium species and fusarium head blight and DON contamination management in soft and durum wheat cultivation.