

1. Record Nr.	UNINA9910627295303321
Titolo	Trichoderma : biology and applications // edited by Prasun K. Mukherjee [and four others]
Pubbl/distr/stampa	Wallingford, Oxfordshire ; ; Boston : , : CABI, , [2013] ©2013
ISBN	1-78924-466-8 1-78064-248-2
Descrizione fisica	1 online resource (345 p.)
Altri autori (Persone)	MukherjeePrasun K
Disciplina	579.5677
Soggetti	Trichoderma Moniliaceae
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""; ""Foreword""; ""Preface""; ""Acknowledgements""; ""1 Trichoderma in Agriculture, Industry and Medicine: An Overview""; ""PART I: TAXONOMY AND PHYSIOLOGY""; ""2 Two Hundred Trichoderma Species Recognized on the Basis of Molecular Phylogeny""; ""3 The Influence of Light on the Biology of Trichoderma""; ""4 Sexual Development in Trichoderma a€? Scrutinizing the Aspired Phenomenon""; ""5 Asexual Development in Trichoderma: From Conidia to Chlamydo spores""; ""6 Volatile Organic Metabolites of Trichoderma spp.: Biosynthesis, Biology and Analytics"" ""7 Molecular Tools in Trichoderma Genetic Studies"" ""PART II: INTERACTIONS WITH PLANTS""; ""8 Trichoderma in the Rhizosphere: Looking for Sugar?""; ""9 The Endophytic Trichoderma""; ""10 Promotion of Plant Growth and the Induction of Systemic Defence by Trichoderma: Physiology, Genetics and Gene Expression""; ""11 Trichoderma Genomes: A Vast Reservoir of Potential Elicitor Proteins""; ""12 The Use of Metabolomic Approaches to Study Trichodermaa€?Plant Interactions""; ""PART III: APPLICATIONS AND SIGNIFICANCE"" ""13 Trichoderma and the Biorefinery: From Plant Health to Enzymes to Biofuel Production"" ""14 Trichoderma in Plant Health Management""; ""15 Marine-derived Trichoderma: A Source of New Bioactive Metabolites""; ""16 Trichoderma as Cell Factories""; ""17 Trichoderma as

a Human Pathogen"; "Index"; "A"; "B"; "C"; "D"; "E"; "F"; "G";
"H"; "I"; "J"; "K"; "L"; "M"; "N"; "O"; "P"; "Q"; "R"; "S";
"T"; "U"; "V"; "W"; "X"; "Y"; "Z"

Sommario/riassunto

Trichoderma spp. are biotechnologically significant fungi, being widely used both in agriculture and industry. These microbes are also a potential drug source of clinical importance. In recent years, driven by advances in genetics and genomics, research on these fungi have opened new avenues for its varied applications. Divided into three sections, covering taxonomy and physiology, interactions with plants and applications and significance, this book also discusses topics that have seen rapid developments in the recent years. Various aspects of Trichoderma such as molecular taxonomy, sexual an
