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| 1. Record Nr. | UNINA9910999688903321 |
| Titolo | Compendium of Phytopathogenic Microbes in Agro-Ecology : Vol.1 Fungi // edited by Natarajan Amaresan, Krishna Kumar |
| Pubbl/distr/stampa | Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025 |
| ISBN | 3-031-81770-2 |
| Edizione | [1st ed. 2025.] |
| Descrizione fisica | 1 online resource (XII, 966 p. 71 illus., 61 illus. in color.) |
| Disciplina | 571.92 |
| Soggetti | Plant diseases Agriculture Fungi Mycology Microbiology Botany Plant Pathology Plant Science |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Chapter 1. Alternaria,- Chapter 2. Athelia -- Chapter 3. Botryosphaeria -- Chapter 4. Botrytis -- Chapter 5. Claviceps -- Chapter 6. Colletotrichum,- Chapter 7. Corynespora,- Chapter 8. Cronartium -- Chapter 9. Curvularia -- Chapter 10. Cylindrocladium -- Chapter 11. Diaporthe -- Chapter 12. Diplodia -- Chapter 13. Epicoccum -- Chapter 14. Erysiphe -- Chapter 15. Fusarium -- Chapter 16. Gaeumannomyces -- Chapter 17. Ganoderma -- Chapter 18. Hemileia -- Chapter 19. Lasiodiplodia -- Chapter 20. Macrophomina -- Chapter 21. Magnaporthe -- Chapter 22. Nigrospora -- Chapter 23. Pestalotia -- Chapter 24. Phomopsis -- Chapter 25. Phytophthora -- Chapter 26. Puccinia -- Chapter 27. Pythium -- Chapter 28. Rhizoctonia -- Chapter 29. Rhizopus -- Chapter 30. Sclerospora -- Chapter 31. Sclerotinia -- Chapter 32. Sphaerotheca -- Chapter 33. Stemphylium -- Chapter 34. Synchytrium -- Chapter 35. Taphrina -- Chapter 36. Tilletia -- Chapter 37 -- Uromyces -- Chapter 38. Ustilago -- Chapter 39. Venturia. Chapter 40. Verticillium. |

This book offers an in-depth exploration of phytopathogenic fungi within the context of agroecology, providing essential insights for understanding and managing these critical organisms. Each chapter begins with a comprehensive information panel that introduces the pathogen, detailing its taxonomy, the diseases it causes, its pathogenic mechanisms, economic significance, and strategies for identification and control. By equipping researchers with this knowledge, the book empowers them to manipulate these fungi to meet their specific needs. Key concepts covered include the taxonomy and life cycles of various fungi, the economic impact of fungal diseases on crop yield, and innovative control measures. The book's expert contributors provide a thorough analysis of each pathogen, making it an indispensable resource for anyone involved in plant health and disease management. This volume is the first in a three-part series that will cover a total of 104 plant pathogens, including bacteria, viruses, viroids, and nematodes, highlighting their economic importance in agriculture. This book is an invaluable resource for postgraduate students, research scholars, post-doctoral fellows, and educators in fields such as Plant Microbiology, Plant Pathology, Entomology, Virology, and Nematology. It is a must-read for those seeking to deepen their understanding of plant pathogens and their impact on agriculture.
