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Titolo	Neotropical Endophytic Fungi : Diversity, Ecology, and Biotechnological Applications / / edited by Luiz Henrique Rosa
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ISBN	3-030-53506-1
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Descrizione fisica	1 online resource (402 pages)
Collana	Biomedical and Life Sciences Series
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Soggetti	Fungi Mycology Microbiology Biodiversity Microbial ecology Industrial microbiology Microbial Ecology Industrial Microbiology
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Neotropical endophytic fungi: isolation, diversity, and biogeography of Neotropical endophytic fungi -- Ecology of Neotropical endophytic fungi -- Diversity, ecology and applications of Epichloë fungal endophytes of grasses in South America -- Endophytes from unique ecosystems in Chile: challenge and opportunities for biodiversity and biotechnological applications -- Endophytic fungal community associated with Colombian plants -- Fungal endophytes and bioactive compounds from tropical forests of Costa Rica -- Diversity of endophytic fungi in Brazilian biomes Rupestrian Grasslands, Caatinga, Pampa, and Pantanal -- Endophytic fungi of the Cerrado: Diversity and its role in ecological interactions and environmental conservation -- Endophytic fungi associated with medicinal plants of Amazonian forest -- Endophytic fungi associated with ancient Neotropical plants -- Bioprospecting of Neotropical endophytic fungi in South America applied to medicine -- Bioprospecting of Neotropical endophytic fungi

	applied to agriculture -- Endophytic fungi associated with Neotropical plants: a source of promising macromolecules for use in biotechnology -- Potential use of Neotropical endophytic fungi in green synthesis of nanoparticles using endophytes -- Bioprospecting of secondary bioactive metabolites produced by endophytic fungi of the medicinal Piper sp. in the Brazilian Tropical Rain Forest -- Diversity of endophytic fungi of Empetrum rubrum Vahl ex Willd (Ericaceae), a medicinal plant from austral South America.
Sommario/riassunto	This pioneering book focuses on Neotropical endophytic fungi, providing a comprehensive overview of their diversity, ecology, and biotechnological applications in medicine, agriculture, and industry. Despite their rich diversity, the endophytic fungi associated with plants of Central and South American biomes remain largely unknown. The book addresses that knowledge gap by offering insights into Neotropic endophytic fungal community.