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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Applications of Confocal Laser Scanning Microscopy in Filamentous Fungi -- Fluorescence-based Methods for the Study of Protein Localization, Interaction, and Dynamics in Filamentous Fungi -- Super Resolution Microscopy: SIM, STED and Localization Microscopy -- Fourier Transform Infrared (FTIR) Microscopy and Imaging of Fungi -- Whole Cells Imaged by Hard X-ray Transmission Microscopy -- In situ Nanocharacterization of Yeast Cells Using ESEM and FIB -- Imaging Living Yeasts Cells and Quantifying Their Biophysical Properties by Atomic Force Microscopy -- Future Directions in Mycological Microscopy.
Sommario/riassunto	This volume provides insight into the principles underscoring various advanced microscopy methods and how they have been, or have the potential to be, applied to mycology. Offering a comprehensive overview of the confocal principle, confocal laser scanning microscopy

and its application to fungal biology, this text also examines the newer sophisticated fluorescence-based methods of technology.