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Autore	Raghukumar Seshagiri
Titolo	Fungi in Coastal and Oceanic Marine Ecosystems : Marine Fungi // by Seshagiri Raghukumar
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ISBN	3-319-54304-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XVII, 378 p. 95 illus., 73 illus. in color.)
Disciplina	610.28
Soggetti	Biomedical engineering Mycology Aquatic ecology Marine sciences Freshwater Biomedical Engineering/Biotechnology Freshwater & Marine Ecology Marine & Freshwater Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1: Fungi: Characteristics and Classification -- Chapter 2: The Marine Environment and the role of Fungi -- Chapter 3: History of marine mycology -- Chapter 4: Allochthonous wood in coastal waters -- Chapter 5: The Mangrove Ecosystem -- Chapter 6: The Salt Marsh Ecosystem -- Chapter 7: The Seagrass Ecosystem -- Chapter 8: The Macroalgal Ecosystem -- Chapter 9: The Coral Reef Ecosystem -- Chapter 10: Animals in coastal benthic ecosystem and aquaculture systems -- Chapter 11: The Pelagic Ecosystem -- Chapter 12: Extreme Environments -- Chapter 13: Physiology, Biochemistry and Biotechnology -- Chapter 14: Origin and Evolution of Marine Fungi -- Chapter 15: Methods to study Marine Fungi. .
Sommario/riassunto	This book offers an ecosystem-oriented overview of the diversity, ecological role, and biotechnological applications of marine fungi as well as an in-depth introduction to the marine environment, fungal classification, and ecological principles. It also presents the latest

research findings on coastal marine and oceanic ecosystems, such as mangrove, seagrass, salt marsh, algal, coral reef and benthic ecosystems. Focusing on the diversity of fungi as well as their role as symbionts, parasites and saprotrophs, the book also discusses the physiology and biotechnological applications of fungi and highlights topics of future interest. Intended for students and researchers in marine biology and microbiology, it includes detailed descriptions, illustrations, figures, tables, and exhaustive literature citations. A detailed chapter on methods used to study marine fungi, their classification and ecological principles is of particular interest to newcomers in the field.

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