1. Record Nr. UNINA990007495500403321

Autore	Bellemo, Vincenzo
Titolo	La Cosmografia e le scoperte geografiche nel secolo XV e i viaggi di Nicolò de' Conti / Vincenzo Bellemo
Pubbl/distr/stampa	Padova : Tipogr. del Seminario, 1908
Descrizione fisica	370 p. ; 23 cm
Locazione	ILFGE
Collocazione	C-01-013
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910337894903321

Titolo	Mesophotic Coral Ecosystems / / edited by Yossi Loya, Kimberly A. Puglise, Tom C.L. Bridge
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-92735-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (983 pages)
Collana	Coral Reefs of the World, , 2213-719X ; ; 12
Disciplina	551.424
Soggetti	Ecologia marina Ecologia dels esculls coral·lins Aquatic ecology Marine sciences Fresh water Climatic changes Conservation biology Ecology Biodiversity Oceanography Freshwater & Marine Ecology Marine & Freshwater Sciences Climate Change Conservation Biology/Ecology

	Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part I: Introduction -- 1. Mesophotic coral ecosystems: Introduction and Overview -- Part II: Regional Variation in Mesophotic Corarl Ecosystems -- 2. Bermuda -- 3. The Bahamas and Cayman Islands -- 4. Pulley Ridge, Gulf of Mexico, U.S.A. -- 5. The Mesoamerican Reef -- 6. Discovery Bay, Jamaica -- 7. Puerto Rico -- 8. The United States Virgin Islands -- 9. Bonaire and Curaçao -- 10. Brazil -- 11. The Red Sea -- 12. The Chagos Archipelago -- 13. Ryukyus Islands, Japan -- 14. Taiwan -- 15. The Philippines -- 16. Palau -- 17. Pohnpei, Federated States of Micronesia -- 18. Papua New Guinea -- 19. North West Australia -- 20. The Great Barrier Reef and Coral Sea -- 21. Fiji. -22. American Samoa. -23. Cook Islands -- 24. French Polynesia -- 25. The Hawaiian Archipelago -- 26. Isla del Coco, Costa Rica, Eastern Tropical Pacific -- 27. Chile and Salas y Gómez Ridge -- Part III: Environments, Biodiversity, and Ecology of Mesophotic Coral Ecosystems. - 28. The mesophotic coral microbial biosphere -- 29. Macroalgae -- 30. Symbiodinium genetic diversity and symbiosis with hosts from shallow to mesophotic coral ecosystems -- 31. Large benthic foraminifera in low-light environments -- 32. Sponges -- 33. Biodiversity of reefbuilding, scleractinian corals -- 34. Reefbuilding corals of the upper mesophotic zone of the central Indowest -- Pacific -- 35. Sexual reproduction of scleractinian corals in mesophotic coral ecosystems vs. shallow reefs. -36. Coral sclerochronology: similarities and differences in the coral isotopic signatures between mesophotic and shallow reefs -- 37. Antipatharians of the mesophotic zone: four case studies -- 38. Octocorals of the IndoPacific -- 39. Gorgonian corals -- 40. Fishes: Biodiversity -- 41. Disease problems -- 42. Light, temperature, photosynthesis, heterotrophy, and the lower depth -- limits of mesophotic coral ecosystems -- 43. Bioerosion -- 44. Geology and geomorphology -- Part IV: Are Shallow and Mesophotic Coral Ecosystems Connected? -- 45. Beyond the ‘deep reef refuge’ hypothesis: a conceptual framework to characterize persistence at depth -- 46. Coral ecosystem connectivity between Pulley Ridge and the Florida Keys -- Part V: Conservation, Management, and Threats to Mesophotic Coral Ecosystems -- 47. Disturbance in mesophotic coral ecosystems nd linkages to conservation and management -- 48. Invasive lionfish (Pterois volitans and P. miles): distribution, impact, and Management -- 49. Ecosystem Services of mesophotic coral reefs and a call for better accounting -- Part VI: Mesophotic Coral Ecosystems Research: Technologies and Future Directions -- 50. Advanced Technical Diving -- 51. Underwater robotic technology for imaging mesophotic coral ecosystems -- 52. Key questions for research and conservation of mesophotic coral ecosystems and temperate mesophotic ecosystems.
Sommario/riassunto	This book summarizes what is known about mesophotic coral ecosystems (MCEs) geographically and by major taxa. MCEs are characterized by light-dependent corals and associated communities typically found at depths ranging from 30-40 m and extending to over

150 m in tropical and subtropical ecosystems. They are populated with organisms typically associated with shallow coral reefs, such as macroalgae, corals, sponges, and fishes, as well as specialist species unique to mesophotic depths. During the past decade, there has been an increasing scientific and management interest in MCEs expressed by the exponential increase in the number of publications studying this unique environment. Despite their close proximity to well-studied shallow reefs, and the growing evidence of their importance, our scientific knowledge of MCEs is still in its early stages. The topics covered in the book include: regional variation in MCEs; similarities and differences between mesophotic and shallow reef taxa, biotic and abiotic conditions, biodiversity, ecology, geomorphology, and geology; potential connectivity between MCEs and shallow reefs; MCE disturbances, conservation, and management challenges; and new technologies, key research questions/knowledge gaps, priorities, and future directions in MCE research.