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Titolo	Brazilian Deep-Sea Biodiversity // edited by Paulo Yukio Gomes Sumida, Angelo Fraga Bernardino, Fabio Cabrera De Léo
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ISBN	3-030-53222-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIX, 261 p. 61 illus., 54 illus. in color.)
Collana	Brazilian Marine Biodiversity, , 2520-1085
Disciplina	577.6
Soggetti	Freshwater ecology Marine ecology Oceanography Physical geography Biodiversity Conservation biology Ecology Freshwater and Marine Ecology Ocean Sciences Earth System Sciences Conservation Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1. An Introduction to the Brazilian Deep-Sea biodiversity -- 2. Water masses and oceanic circulation of the Brazilian continental margin and adjacent abyssal plain -- 3. Continental slope and submarine canyons: benthic biodiversity and human impacts -- 4. Brazilian deep-sea corals -- 5. Chemosynthetic ecosystems on the Brazilian deep-sea margin -- 6. Deep-sea microbes in the Southwestern Atlantic -- 7. The scientific explorations of the deep-sea fishes in Brazil: the known knowns, the known unknowns, and the unknown unknowns -- 8. Living and non-living resources in Brazilian deep waters -- Index -- .
Sommario/riassunto	This book presents the biodiversity of the Brazilian deep-sea and its

many unique geological and biological features, as well as a review of its ecology, conservation, and future research needs. The deep-sea Brazilian margin has an incredible geological heterogeneity with numerous characteristic seafloor features, and latitudinal changes in marine productivity, oceanographic conditions and biological communities have resulted in very distinct biological assemblages at regional and bathymetric scales. It is a tremendously rich ecosystem in terms of living species, from which many well-known historical tales have originated, and with unique importance for the global climate and humanity. Nevertheless, vast areas of the Brazilian margin have been explored for fishing, oil and gas, and other commodities, likely impacting a variety of deep-sea habitats at scales and intensities yet undetermined. This book is intended for students, scholars, professionals and a wide audience interested in the deep-sea in general and, more specifically, in the South Atlantic deep-sea.

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