

1. Record Nr.	UNINA9910831076103321
Autore	Mann K. H (Kenneth Henry), <1923->
Titolo	Dynamics of marine ecosystems [[electronic resource]] : biological-physical interactions in the oceans / / K.H. Mann & J.R.N. Lazier
Pubbl/distr/stampa	Malden, MA, : Blackwell Pub., 2006
ISBN	1-118-68790-6 1-282-11678-9 9786612116780 1-61583-632-2 1-4443-0914-5
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (519 p.)
Altri autori (Persone)	LazierJ. R. N
Disciplina	574.52636 577.7
Soggetti	Marine ecology Biotic communities Ecologia marina Ecosistemes Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [444]-488) and index.
Nota di contenuto	Preface to third edition; Preface to second edition; Preface to first edition; 1 Marine ecology comes of age; Part A Processes on a scale of less than 1 kilometer; 2 Biology and boundary layers; 3 Vertical structure of the open ocean: biology of the mixed layer; 4 Vertical structure in coastal waters: freshwater run-off and tidal mixing; Part B Processes on a scale of 1-1000 kilometers; 5 Vertical structure in coastal waters: coastal upwelling regions; 6 Fronts in coastal waters; 7 Tides, tidal mixing, and internal waves; Colour Plates; Part C Processes on a scale of thousands of kilometers 8 Ocean basin circulation: the biology of major currents, gyres, rings, and eddies9 Variability in ocean circulation: its biological consequences; 10 The oceans and global climate change: physical and biological aspects; Part D Discussion and conclusions; 11 Questions for the future; Appendix; References; Index

Sommario/riassunto

The new edition of this widely respected text provides comprehensive and up-to-date coverage of the effects of biological-physical interactions in the oceans from the microscopic to the global scale. considers the influence of physical forcing on biological processes in a wide range of marine habitats including coastal estuaries, shelf-break fronts, major ocean gyres, coral reefs, coastal upwelling areas, and the equatorial upwelling system investigates recent significant developments in this rapidly advancing field includes new research suggesting that long-term variab
