

1. Record Nr.	UNINA9910825880003321
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Titolo	Ecology of marine bivalves : an ecosystem approach / / Richard F. Dame
Pubbl/distr/stampa	Boca Raton, : Taylor & Francis, 2012
ISBN	1-000-21879-1 0-429-10653-X 1-283-35028-9 9786613350282 1-4398-3912-3
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (xi, 260 pages) : illustrations
Collana	Marine science ; ; 34
Disciplina	594/.4
Soggetti	Bivalves - Ecology Marine invertebrates - Ecology Biotic communities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A CRC title."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Historical ecology of bivalves -- Physical environmental interactions -- Organismic scale processes -- Population processes -- Ecosystem grazing -- Ecosystem metabolism and nutrient cycling -- Ecosystem experiments -- Ecosystem health, restoration, and services.
Sommario/riassunto	Exploring the potential use of bivalves as indicators and monitors of ecosystem health, this book describes live and computer simulated experiments, mesocosm studies, and field manipulation experiments. This second edition discusses major new developments, including phase shifts in many coastal and estuarine ecosystems dominated by suspension-feeding bivalves, the invasion or introduction of alien bivalve species, the rapid growth of environmental restoration focused on bivalves, and the examination of geological history with regard to global climate change and its impact on bivalve-dominated systems.