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Nota di conte	PART I General Introduction PART II Provisioning service Introduction 2 Global production trends and challenges Resource provisioning and efficient use 4 Bivalve product in China 5 Production of pearls 6 Biotechnologies from bivalves PART III Regulating services 7 Introduction Biofiltration for turbidity management 9 Feedbacks by filte	3 tion system marine 8

	nutrient regeneration 10 Nutrient extraction through bivalves 11 Perspectives of bivalves in IMTA 12 Regulating services of bivalve molluscs in the context of the carbon cycle and implications for ecosystem valuation 13 Bivalve reefs as eco-engineers 14 Bivalve beds as biodiversity hot spots 15 Enhanced production of finfish and large crustaceans by bivalve reefs PART IV Cultural services 16 Introduction 17 Socio-economy of shellfish culture communities 18 A variety of approaches for incorporating community outreach and education in oyster reef restoration projects: Examples from the United States 19 Bivalve gardening 20 Shells as collector's item 21 Archaeology and sclerochronology of marine bivalves PART V Assessment of services 22 Introduction 23 Bivalve aquaculture carrying capacity: concepts and assessment tools 24 Farm scale production models 25 Ecosystem models 26 Spatial models 27 Nutrient trading Epilogue.
Sommario/riassunto	The aim of this book is to review and analyse the goods and services of bivalve shellfish. How they are defined, what determines the ecological functions that are the basis for the goods and services, what controversies in the use of goods and services exist, and what is needed for sustainable exploitation of bivalves from the perspective of the various stakeholders. The book is focused on the goods and services, and not on impacts of shellfish aquaculture on the benthic environment, or on threats like biotoxins; neither is it a shellfish culture handbook although it can be used in evaluating shellfish culture. The reviews and analysis are based on case studies that exemplify the concept, and show the strengths and weaknesses of the current applications. The multi-authored reviews cover ecological, economic and social aspects of bivalve goods and services. The book provides new insights for scientists, students, shellfish producers, policy advisors, nature conservationists and decision makers. This book is open access under the CC BY license.