1. Record Nr. UNINA9910983366903321

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Titolo	Bioactive Compounds Extraction from Marine Resources and Wastes / / edited by J. Basilio Heredia, Erick Paul Gutiérrez-Grijalva, Luis Angel Cabanillas-Bojórquez
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819612536 9819612535
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (399 pages)
Collana	Interdisciplinary Biotechnological Advances, , 2730-7077
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Disciplina	577.6 577.7
Soggetti	Freshwater ecology Marine ecology Applied ecology Biodiversity Bioremediation Ecology Evolution (Biology) Food science Freshwater and Marine Ecology Applied Ecology Environmental Biotechnology Evolutionary Ecology Food Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Chapter 2. Global Market of Bioactive and Functional Compounds from Marine Resources and Wastes -- Chapter 3. Biotechnology Strategies for Bioactive Compound Extraction -- Chapter 4. Bioactive Compounds Extraction from Marine Animals by Biotechnology Process -- Chapter 5. Bioactive Compounds Extraction

from Microalgae by Biotechnological Processes -- Chapter 6. Bioactive Compounds Extraction from Seaweed by Biotechnology Process -- Chapter 7. Bioactive Compounds Extraction from Marine Microorganisms by Fermentation -- Chapter 8. Bioactive Compounds Extraction from Fish Waste by Biotechnological Process -- Chapter 9. Bioactive Compounds Extraction from Crustacean Waste by Biotechnology Process -- Chapter 10. Bioactive Compounds Extraction from Other Marine Wastes by Biotechnology Process -- Chapter 11. Marine Collagens and Novel Insights in their Sustainable Extraction -- Chapter 12. Future Perspectives.

Sommario/riassunto

This book provides information about the principal biotechnological strategies (enzyme-assisted extraction, liquid fermentation, and solid-state fermentation) used for the bioactive compounds (bioactive peptides, carotenoids, phenolic acids, polyunsaturated fatty acids, vitamins, and minerals, among others) extraction from the marine resource (marine animals, microalgae, seaweed, among others) and wastes (crustaceans, fish, and others). This book also highlights the importance of bioactive compounds in marine resources and wastes and the perspectives for a potential industrial application. This book is oriented to researchers related to marine resources and marine wastes, who apply their knowledge in the innovation of the extraction and application of bioactive compounds from these sources. Moreover, this book will also provide knowledge and areas of opportunity for entrepreneurs, different industries, and the development of new products that could be used in the overall improvement of different areas such as human health.