

Contents

1 Taxonomy of Marine Macroalgae Used as Sources of Bioactive Compounds	1
Fabio Rindi, Anna Soler-Vila, and Michael D. Guiry	
2 Extraction and Characterization of Bioactive Compounds with Health Benefits from Marine Resources: Macro and Micro Algae, Cyanobacteria, and Invertebrates	55
Elena Ibañez, Miguel Herrero, Jose A. Mendiola, and María Castro-Puyana	
3 Marine Bioactive Peptides and Protein Hydrolysates: Generation, Isolation Procedures, and Biological and Chemical Characterizations	99
Turid Rustad and Maria Hayes	
4 Chitin, Chitosan and their derivatives from Marine Rest Raw Materials: Potential Food and Pharmaceutical Applications	115
Maria Hayes	
5 Industry Potential of Marine Bioactive Components: Downstream Processing and Vehicles for Efficient Delivery In Situ	129
Wolfram M. Brück, Steven Reisse, Daniel Garbe, and Thomas B. Brück	
6 Extraction and Characterization of Bioactive Carbohydrates with Health Benefits from Marine Resources: Macro- and Microalgae, Cyanobacteria, and Invertebrates	159
Rita M. Hickey	

7 Medicinal Chemistry and Ligand Profiling for Evaluation of Promising Marine Bioactive Molecules	173
A.K. Croft, W. Groenewald, and M.S. Tierney	
8 Marine-Derived Functional Foods: Claims and Current Legislation.....	207
Maria Hayes	
Index.....	223



<http://www.springer.com/978-1-4614-1246-5>

Marine Bioactive Compounds
Sources, Characterization and Applications
Hayes, M. (Ed.)
2012, XII, 232 p., Hardcover
ISBN: 978-1-4614-1246-5