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
Marine Bioactive Compounds
Sources, Characterization and Applications
Hayes, M. (Ed.)
2012, XII, 232 p., Hardcover