

1. Record Nr.	UNINA9910598195203321
Titolo	Marine Proteins and Peptides // edited by Se-Kwon Kim
Pubbl/distr/stampa	Basel, Switzerland : , : MDPI - Multidisciplinary Digital Publishing Institute, , [2018] ©2018
Descrizione fisica	1 online resource (476 pages)
Disciplina	333.9164
Soggetti	Marine resources Proteins - Therapeutic use Peptides - Therapeutic use
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	About the Special Issue Editor -- Preface to "Marine Proteins and Peptides" -- Identification of Angiotensin IConverting Enzyme Inhibitory Peptides Derived from Enzymatic Hydrolysates of Razor Clam <i>Sinonovacula constricta</i> -- Coral Carbonic Anhydrases: Regulation by Ocean Acidification -- Recombinant Expression of a Modified Shrimp AntiLipopolysaccharide Factor Gene in <i>Pichia pastoris</i> GS115 and Its Characteristic Analysis -- Anticancer Activity of a Hexapeptide from Skate (<i>Raja porosa</i>) Cartilage Protein Hydrolysate in HeLa Cells -- An Overview of the Medical Applications of Marine Skeletal Matrix Proteins -- Marine Microbiological Enzymes: Studies with Multiple Strategies and Prospects -- Purification of Antioxidant Peptides by High Resolution Mass Spectrometry from Simulated Gastrointestinal Digestion Hydrolysates of Alaska Pollock (<i>Theragra chalcogramma</i>) Skin Collagen -- Enzymatic PreTreatment Increases the Protein Bioaccessibility and Extractability in Dulse (<i>Palmaria palmata</i>) -- Natural ProlineRich Cyclopolypeptides from Marine Organisms: Chemistry, Synthetic Methodologies and Biological Status -- Preclinical and Clinical Studies on Antioxidative, Antihypertensive and Cardioprotective Effect of Marine Proteins and Peptides-A Review -- AlkynylContaining Peptides of Marine Origin: A Review -- AntiFatigue Effect by Peptide Fraction from Protein Hydrolysate of Croceine Croaker

(Pseudosciaena crocea) Swim Bladder through Inhibiting the Oxidative Reactions including DNA Damage -- Antimicrobial and Antitumor Activities of Novel Peptides Derived from the Lipopolysaccharide and 1,3Glucan Binding Protein of the Pacific Abalone *Haliotis discus hannai* -- Protective Effects of Hydrolyzed Nucleoproteins from Salmon Milt against Ethanol-Induced Liver Injury in Rats -- Novel Peptide with Specific Calcium-Binding Capacity from *Schizochytrium* sp. Protein Hydrolysates and Calcium Bioavailability in Caco2 Cells -- In vitro Anti-Thrombotic Activity of Extracts from Blacklip Abalone (*Haliotis rubra*) Processing Waste -- Biochemical and Structural Insights into a Novel Thermostable 1,3Galactosidase from *Marinomonas* sp. BSi20414 -- Preparation of Antioxidant Peptides from Salmon Byproducts with Bacterial Extracellular Proteases -- Marine Antifreeze Proteins: Structure, Function, and Application to Cryopreservation as a Potential Cryoprotectant -- Enzyme-Assisted Discovery of Antioxidant Peptides from Edible Marine Invertebrates: A Review -- Purification and Identification of Antioxidant Peptides from Protein Hydrolysate of Scalloped Hammerhead (*Sphyrna lewini*) Cartilage -- Bioactive Peptide of Marine Origin for the Prevention and Treatment of Non-Communicable Diseases -- Marine Peptides as Potential Agents for the Management of Type 2 Diabetes Mellitus-A Prospect -- In Vitro Antioxidant Activities of Enzymatic Hydrolysate from *Schizochytrium* sp. and Its Hepatoprotective Effects on Acute Alcohol-Induced Liver Injury In Vivo -- Hydrolysates of Fish Skin Collagen: An Opportunity for Valorizing Fish Industry Byproducts -- Marine Fish Proteins and Peptides for Cosmeceuticals: A Review -- Microbial Diseases of Bivalve Mollusks: Infections, Immunology and Antimicrobial Defense.

Sommario/riassunto

Marine proteins and peptides have great potential application in developing pharmaceuticals, nutraceuticals, and cosmeceuticals. Proteins and peptides from marine sources are considered to be safe and inexpensive. Protein- and peptide-based drugs have been increasing in recent days to cure various diseases by serving multiple roles, such as antioxidants, anticancer drugs, antimicrobials, and anticoagulants. There are different marine sources (macroalgae, fish, shellfish, and bivalves), which possibly contain specific protein and peptides.
