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Nota di contenuto	Marine-derived nutraceuticals : trends and prospects / Se-Kwon Kim -- Nutritional value of sea lettuces / Se-Kwon Kim, Ratih Pangestuti -- Prospects and potential applications of seaweeds as neuroprotective agents / Se-Kwon Kim, Ratih Pangestuti -- Chitosan-based biomaterials against diabetes and related complications / Se-Kwon Kim, Fatih Karadeniz -- Nutraceutical benefits of marine steroid derivatives / Se-Kwon Kim, Quang Van Ta -- Nutritional value, bioactive compounds, and health-promoting properties of abalone / Mahanama De Zoyza -- Marine biopolymers in Asian nutraceuticals / Nghia Dang Ngo, Se-Kwon Kim -- Marine natural antihypertensive peptides from styela clava having multi-functions of ace inhibition and no production in endothelial cells / Seok-Chun Ko, Se-Kwon Kim, You-Jin Jeon -- Beneficial effects of marine natural products in auto-immune diseases / Mi Eun Kim ... [et al.] -- Extraction of nutraceuticals from shrimp by-products / Trang Si Trung, Willem Frans Stevens -- Fucoidan : a potential ingredient of marine nutraceuticals / Se Kwon Kim, Thanh-Sang Vo, Dai-Hung Ngo -- Chitosan for body weight management : current issues and future directions / Soon Kong Yong, Wong Tin Wui -- Prospects of Indonesian

uncultivated macroalgae for anticancer nutraceuticals / Hari Eko Irianto, Ariyanti Suhita Dewi -- Active ingredients from marine microorganisms for modern nutraceuticals / Se-Kwon Kim, Pradeep Dewapriya -- Potent anticancer actions of omega-3 polyunsaturated fatty acids of marine nutraceuticals / Kaipeng Jing, Kyu Lim -- Chitosan application in dentistry / Yoshihiko Hayashi ... [et al.] -- Edible marine invertebrates : a promising source of nutraceuticals / Se-Kwon Kim, Himaya S.W.A. -- Chitosan and its derivatives : potential use as nutraceuticals / Jae-Young Je, Se-Kwon Kim -- Marine sulfated polysaccharides with an unusual regular inhibitors-independent anticoagulant mechanism / Bianca F. Glauser, Vitor H. Pomin, Paulo A.S. Mourao -- Enzymatic production of n-acetyl-d-glucosamine using the enzyme from the liver of squid / Masahiro Matsumiya -- High density chitin-chitosan production and beneficial in health / Siswa Setyahadi -- Antioxidant effects of marine food-derived functional ingredients / Se-Kwon Kim, Dai-Hung Ngo, Thanh-Sang Vo -- Biological and biomedical applications of marine nutraceuticals / Janaka Vidanarachchi, Maheshika S. Kurukulasuriya, W.M.N.M. Wijesundara -- Fucoidans from marine brown macroalgae : isolation, identification and potential biological activities / Yasantha Athukorala, Yvonne V. Yuan.

Sommario/riassunto

The marine environment is rich in biological and chemical diversity and is the source of molecules that can be used to create a range of products. Marine organisms contain various unique bioactive substances, which can be transformed into active substances by bioconversion technology through membrane bioreactors. This book discusses recent advances in marine nutraceutical research and includes a wide range of applications in both traditional Chinese medicine practice as well as contemporary medicine. The book clarifies the historic misconceptions of marine-derived medicines and provides insight
