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Descrizione fisica	1 online resource (320 pages)
Disciplina	570.285
Soggetti	Metabolites
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Summary -- Subject: biorefinery -- polyphenolsdynamic simulation -- Fucus distichus subsp. evanescens -- seaweeds -- phytochemicals -- Bifurcaria bifurcata -- Fucus vesiculosus -- kidney -- complex polysaccharides -- identification --secondarymetabolites -- phlorotannin -- cholinesterases -- eckol -- skin aging -- clinical trials -- dieckol -- fucoxanthin -- age-related macular degeneration -- photo-protection -- phytol -- Alzheimer's disease -- fucosterol -- bone health -- nutraceutical -- papillomavirus -- red seaweed -- extraction -- osteoporosis -- fucoidan -- marine algae -- chemo-preventive agent -- ischemia-reperfusion injury -- hyperpigmentation -- bone metabolism -- bioactives -- macroalgae -- beta-secretase -- laurinterol -- prebiotics -- dietary fibre -- NMR spectroscopy -- health effects -- bromophenols -- beta-amyloid aggregation -- kahalalide F -- Padina pavonica -- carotenoids -- insulin glycation -- skincare -- mushroom tyrosinase -- polyunsaturated fatty acids -- fatty acid -- in vivo studies -- apoptosis -- algae -- biological activities -- Symphyocladia latiuscula -- Fucus serratus -- mass spectrometry -- Laminaria digitata -- high-speed counter-current chromatography -- isolation and purification -- K14HPV16 -- amyloid-? aggregation -- VEGF -- melanin -- Laurencia -- seaweed -- organotypic culture -- Saccharina latissima -- ex vivo -- genotoxicity assay -- gut microbiota -- phlorotannins -- eckmaxol -- high value applications --Ecklonia maxima -- B16F10 -- neuroprotection -- linear diterpenes -- antitumoral -- Ecklonia cava -- cancer -- breast cancer explants --

osteosarcoma -- oxidative stress.

Sommario/riassunto

Seaweeds are recognized as highly nutritious, and their use in gastronomy is increasing. Their health benefits and their potential to prevent several diseases have also been established. In this Special Issue several health effects are discussed, with more emphasis on their antitumor activity and potential use to treat Alzheimer's disease. The key bioactive metabolites, from which phlorotannins can be highlighted, are presented, as well as some important in vivo studies. Altogether, the chapters provide in-depth information about the biological activities of seaweed metabolites, contributing to elucidate the health effects of seaweed.
