

Natural Compounds From Algae And Spirulina Platensis Its

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Natural Compounds From Algae And

Algae Polyphenolic Compounds and Modern Antibacterial ...

Sep 11, 2020 · and necessitates the search for new natural compounds with antibacterial properties Marine algae are considered a natural and attractive biotechnological source of novel antibiotics The high antimicrobial activity of their polyphenolic compounds is a promising basis for designing innovative pharmaceuticals

Natural Compounds with Bioactive Properties from Marine ...

Natural Compounds with Bioactive Properties from Marine Algae Evrim Takn 1* •Ergün Takn 2 • Mehmet Öztürk2 Jaime A Teixeira da Silva3 1 Celal Bayar University, Faculty of Arts and Sciences, Biology Department, Microbiology Section, Muradiye Campus, Manisa, 45140, Turkey

Minireview: algal natural compounds and extracts as ...

of compounds, and the genomic studies with industrial upscaling and metabolic engineering for a sustainable com-mercial production of natural micro algal compounds Also, summing up all the ecologically and industrially relevant an-tifouling investigations, it is noteworthy that the majority of investigations have focused on algae from

Bioactivity of natural compounds isolated from ...

Bioactivity of natural compounds isolated from cyanobacteria and green algae against human pathogenic bacteria and yeast H Al-Wathnani, Ismet Ara*, R R Tahmaz, T H Al-Dayel and M A Bakir Department of Botany and Microbiology, College of Science, King Saud University, P O Box 22452, Riyadh-11495, Kingdom of Saudi Arabia

Halogenated Compounds from Marine Algae

Marine algae produce a wide variety of remarkable natural compounds, usually referred to as secondary metabolites because they are not involved in

the basic machinery of life [1] Although these molecules often contribute to only a very small ...

Algae as production systems of bioactive compounds

tive compounds extracted from the biomass of algae with their unique properties and potential applications Antibacterial, anti-viral, antifungal, antioxidative, anti-inflammatory, and anti-tumor properties of extracted compounds were described in a systematic way: type of extracted compound, species of algae,

Synthesis and Characterization of Arsenolipids: Naturally ...

products present in fish and algae Because these compounds occur in foods, there is considerable interest in their human toxicology We report the synthesis and characterization of seven arsenic-containing lipids, including six natural products The compounds comprise dimethylarsinyl groups attached to saturated long-chain

Natural occurrence of boron-containing compounds in plants ...

Review Natural occurrence of boron-containing compounds in plants, algae and microorganisms Valery M Dembitsky^{1,*}, Reem Smoum, Abed Aziz Al-Quntar, Hijazi Abu Ali, Inna Pergament, Morris Srebnik¹ Department of Medicinal Chemistry and Natural Products, School of Pharmacy, Hebrew University of Jerusalem, PO Box 12065, Jerusalem 91120,

Natural Antioxidants: Function and Sources

of algae contain large amounts of antioxidants and phenolic compounds Natural antioxidants found in algae play an important role against various diseases and aging processes by protecting the cells from oxidative damage [25,26] It has been shown that the red, brown, and green algae, as well as cyanobacteria, display high radi-

NPC Natural Product Communications Vol. 11 No. 9 ...

Terpenoids are a very prominent class of natural compounds produced in diverse genera of plants, fungi, algae and sponges They gained significant pharmaceutical value since prehistoric times, due to their broad spectrum of medical applications The fragrant leaves of Eucalyptus trees are a rich source of terpenoids

Review Article Supercritical Algal Extracts: A Source of ...

found in cells of microalgae and macroalgae were discussed, including their potential applications as the natural components of plant protection products (biostimulants and bioregulators), dietary feed and food supplements, and pharmaceuticals Analytical methods of determination of the natural compounds derived from algae were discussed

Natural production of brominated aromatic compounds in the ...

Natural production of brominated substances in the red algae *Ceramium tenuicorne* 5 In the naturally occurring MeO-PBDEs and OH-PBDEs, the OH- or MeO- group is located in the ortho position relative to the diphenyl ether bond (Marsh et al, 2003, Malmvärn et ...

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compounds might affect organisms by inhibiting or stimulating growth, by acting as a toxin, vitamin, food source, or transporting chelator The three groups, bacteria, algae, and higher life forms, act as sources of organic compounds and all interact with one another For example toxins of the blue-green

Antidiabetic Potential of Marine Brown Algae a Mini Review

the natural compounds which inhibit the formation of advanced glycation end products can be used to suppress the diabetic complications associated

with the accumulation of advanced glycation end products 3 Bioactive Compounds Present in Marine Brown Algae Marine macroalgae have been widely studied in the last few

Phytochemical constituents and bioscreening activities of ...

saponins are 7958, 236 and 003 mg/100g algae dry weight, respectively, and the concentration of total phenols is 14223 mg/100g of dry algae tissue (Table 2) Our results showed that the concentration of phenol sulfur in polysaccharide extract of green algae is 204309 mg/g crude extract While the concentration of total

Bioactive natural compounds of algae and invertebrates ...

Bioactive natural compounds of algae and invertebrates from the littoral of Cadiz R Durán, L Garrido, M J Ortega, A Rueda, J Salvá and E Zubía Facultad de Ciencias del Mar Universidad de Cádiz Apdo 40 11510 Puerto Real (Cádiz), Spain Received October 1997 Accepted April 1998

ABSTRACT

Bioactive Phenolic Compounds from Algae

Bioactive Phenolic Compounds from Algae 115 foods and the body, where phenols are oxidized in preference to other food constituents or cellular components and tissues

Cyanobacteria and Cyanotoxins: Information for Drinking ...

Cyanobacteria are photosynthetic bacteria that share some properties with algae and are found naturally in lakes, streams, ponds, and other surface waters Similar to other types of algae, when United States Environmental Protection Agency Office of Water Mail Code 4304T EPA-810F11001

September 2014

NPC Natural Product Communications Vol. 13 No. 12 Cold ...

1716 Natural Product Communications Vol 13 (12) 2018 Djabayan-Djibeyan et al broad spectrum low wattage lamp This allowed a simple in vivo study of protein biosynthesis in marine algae to be undertaken [6] Based on all of these observations, the present work compared two

Bioprospecting Cultivated Tropical Green Algae, Caulerpa ...

Bioprospecting Cultivated Tropical Green Algae, Caulerpa Racemosa: A Perspective on Nutritional Properties, Antioxidative Capacity and Anti-Diabetic Potential Abdul Qudus B Aroyehun 1, Shariza Abdul Razak 1,* , Kishneth Palaniveloo 2,* , Thilaghavani Nagappan 3,4,* , Nur Suraiza Nabila Rahmah 5, Gan Wee Jin 5,