

Natural Compounds From Algae And Spirulina Platensis Its

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Natural Compounds from Algae and Spirulina platensis & its ...

Natural Compounds from Algae and Spirulina platensis & its Antimicrobial Activity Vinay Kumar¹, Prem SaranTirumalai¹, Abha Singh², AK Bhatnagar², Algae include a large heterogeneous assemblage of relatively Natural products are outstanding in the diversity of their

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 commercial production of natural micro algal compounds Also, summing up all the ecologically and industrially relevant anti-fouling investigations, it is noteworthy that the majority of investigations have focused on algae from

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,

Antimicrobial bioactive compounds from marine algae: A ...

Research on natural products from marine algae has increased dramatically since last few decades Marine natural products provide a rich source of

chemically diverse compounds which have significant potential to be developed as novel types of therapeutic agents

ALGAE: A POTENT ANTIOXIDANT SOURCE - Journals

Algae are photosynthetic organisms which constitute a total of 25 to 30 species, with a great diversity of forms and sizes They can exist from unicellular microscopic organisms (microalgae) to multicellular of great size (macroalgae) Algae can be an interesting natural source of novel compounds with biological activity Some algae

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 bioactive compounds and their characterization ...

Natural bioactive compounds and their characterization isolated from terrestrial plants and marine algae Patil Meena Department of Zoology, DrBabasaheb Ambedkar Marathwada University Aurangabad-431 004, Maharashtra State, India The protection of human health and search for healthy food are continuous struggles of all people in the world

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

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

PHARMACEUTICALLY VALUABLE BIOACTIVE COMPOUNDS OF ...

Online - 2455-3891 V1 9 e 201 Print - 0974-2441 PHARMACEUTICALLY VALUABLE BIOACTIVE COMPOUNDS OF ALGAE MEENAKSHI BHATTACHARJEE* Department of Biosciences, Rice University, Houston, Texas, USA

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 ...

Glimpses on cosmetic applications using marine red algae

Hence red algae can serve as source of tyrosine inhibitors which has to be discovered as potential tyrosine inhibitor compound still research is going on for finding our potential tyrosine inhibitors Hence this could pave way for new research work carry out in red algae in search for natural ...

New Drugs from the Sea: Pro-Apoptotic Activity of Sponges ...

Abstract: Natural compounds derived from marine organisms exhibit a wide variety of biological activities Over the last decades, a great interest has been focused on the anti-tumour role of sponges and algae that constitute the major source of these bioactive metabolites A substantial number

Prolific Anticancer Bioactivity of Algal Extracts (Review)

Marine algae is obliged as significant sources of natural bioactive substances and there has now emerged a new proclivity towards isolating and

identifying such compounds and constituents from algae This review article has poised studies about algal anticancer agents Keywords: Anticancer compounds, Cancerous cells, Inflammatory,

A2. Nitrogen in Waters: Forms and Concerns

natural sources, but when N concentrations are elevated, the sources are typically associated with human activities (Dubrovski et al, 2010) Concerns about nitrate and total N in Minnesota's water resources have been increasing due to effects of nitrate on certain aquatic life and drinking water

Algae as nutritional and functional food sources ...

Algae as nutritional and functional food sources: revisiting our understanding Mark L Wells¹ & Philippe Potin² & James S Craigie³ & John A Raven^{4,5} & erols, and other compounds in the small intestine (Gropper and Smith 2013) The mixture of proteases, amylase, and li-

Looking to Nature for New Sunscreens

testing too: The compounds' natural origins don't exempt them from controlled studies of these properties Long, who is commercializing palythine from red algae, is optimistic that marine compounds should be safe They are found in seaweed and marine animals that have been part of our diets, he notes, and they already exist in the marine

Natural Organic Matter in Water - UMass Amherst

Natural Substances Natural Organic Matter (NOM) Inorganic Substances (Iron, Manganese, sodium, chloride) Anthropogenic Substances Pesticides Organic Solvents & Other Industrial Compounds Carcinogens Pharmaceuticals Endocrine Disrupting Compounds Flame Retardants Pathogens and other microorganisms Dave Reckhow 3

Phytochemical study of the headspace volatile organic ...

11-compounds, acyclic undecapolyenes, less volatile organosulfur compounds, bromine- and iodine-containing halo-forms, halogenated compounds, others The research on the algae VOCs has been continued by different teams [2-4] The production and role of volatile halogenated compounds from marine algae were reviewed in 2011 [5]