

Exploring Novel Bioactive Compounds From Marine Microbes

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Isolation and characterization of bioactive compounds from ...
The high demand for novel antibiotics highlights the need for exploring novel sources of these bacteria. Microbial symbioses with sessile macro-organisms, known to contain bioactive compounds...

(PDF) Exploring novel bioactive compounds from marine microbes
Exploring novel bioactive compounds from marine microbes Lixin Zhang1,2,3, Rong An1,4, Jinping Wang4, Nuo Sun1,4, Si Zhang2, Jiangchun Hu5 and Jun Kuai6 The historical paradigm of the deep ocean as a biological 'desert' has shifted to one of a 'rainforest' owing to the isolation of many novel microbes and their associated bioactive compounds.

Fruit and Vegetable Waste: Bioactive Compounds, Their ...
ASHA DEVI et al : BIOACTIVE COMPOUNDS FROM MARINE BACTERIA. 63 activity in Tokyo bay is due to its eutrophic nature, which may tend to modulate the production of antibacterial compounds. Several workers have also recorded high incidence of *Alteromonas* and their inhibitory activity against many bacteria 6,20 .

Exploring the extraction, use of bioactive compounds from ...
Bioactive Compounds from Fungi We have several ongoing projects that are exploring fungi, and my lab's role is largely the isolation and structure elucidation of bioactive lead compounds. Our longest running project is funded by the National Cancer Institute to examine filamentous fungi for anticancer drug leads.

Exploring novel bioactive compounds from marine microbes ...
Information about novel bioactive compounds that have been isolated from marine microbes in an effort to further explore the relatively untapped marine microbes and their secondary metabolites for...

Bioactive Compounds from Fungi - UNCG
The extraordinary biological diversity of tropical forests harbors a rich chemical diversity with enormous potential as a source of novel bioactive compounds. Of particular interest are new environments for microbial discovery.

Characterization of cytotoxic compound from mangrove ...
Bioactive Compounds from Fruit and Vegetable Losses and Waste. FVW are rich sources of phytochemicals and have been studied for the extraction of phenolic compounds, dietary fibers, and other bioactive compounds (Galanakis 2012).

Exploring novel bioactive compounds from marine microbes ...
Recently, there has been an explosion of information about novel bioactive compounds that have been isolated from marine microbes in an effort to further explore the relatively untapped marine microbes and their secondary metabolites for drug discovery.

Exploring the ocean for new drug developments: Marine ...
Mangroves and their associates are a source of novel medicines, agrochemicals and many biologically active compounds. However, investigations on mangrove endophytic fungi metabolisms are scarce. In the present investigation seven fungal strains were isolated from the leaves of *Rhizophora mucronata* and *Avicenna officinalis*. In the present study the DNA was isolated and the ITS region of 5.8s rRNA was amplified using specific primers ITS1 and ITS4 and sequence was determined using automated ...

Exploring novel bioactive compounds from marine microbes ...
Animal toxins: Exploring novel bioactive compounds from toads, snakes and scorpions. Given its huge biodiversity, which includes a great amount of venomous and poisonous animal species, Brazil is well-known for its toxinological research. In this special collection published in *Journal of Venomous Animals and Toxins including Tropical Diseases*,...

Exploring the bioactive compounds from endophytic bacteria ...
Oceans contain more than 80% of diverse plant and animal species in the world. Marine organisms such as sponges, tunicates, fishes, soft corals, nudibranchs, sea hares, opisthobranch Molluscs, echinoderms, bryozoans, prawns, shells, sea slugs, and marine microorganisms are sources of bioactive compounds (viz. oils and cosmetics).

Sloth Hair as a Novel Source of Fungi with Potent Anti ...
Exploring Bioactive Compounds in Anaerobically Digested Slurry: Extraction, Characterization, and Assessment of Antifungal Activity ... further work is needed to explore the diversity of bioactive compounds in digested manures and evaluate their antimicrobial potential. ... J.P., Patel, B.Y., Jadeja, K.A.: Synthesis of a novel series of imines ...

Littoral lichens as a novel source of potentially ...
Buy Exploring the Bioactive Compounds from Actinobacteria: Inhabiting different habitats (Natural products, the future approach for Drug discovery) on Amazon.com FREE SHIPPING on qualified orders

Discovering new bioactive molecules from microbial sources
Exploring novel bioactive compounds from marine microbes Zhang, Lixin; An, Rong; Wang, Jinping; Sun, Nuo; Zhang, Si; Hu, Jiangchun; Kuai, Jun 2005-06-01 00:00:00 The historical paradigm of the deep ocean as a biological 'desert' has shifted to one of a 'rainforest' owing to the isolation of many novel microbes and their associated bioactive compounds. Recently, there has been an explosion of information about novel bioactive compounds that have been isolated from marine microbes in ...

Exploring novel bioactive compounds from marine microbes
These compounds show activity against *Mycobacterium tuberculosis*, possibly by interfering with the electron transport chain. Another example is represented by aurafuron, produced by *Stigmatella aurantiaca*. Substantial efforts have also been devoted to exploring marine microbial strains as producers of bioactive molecules Fenical and Jensen (2006). While several of the marine strains are phylogenetically related to their terrestrial kin, the rationale is that marine habitats have selected ...

Exploring Novel Bioactive Compounds From ...
Recently, there has been an explosion of information about novel bioactive compounds that have been isolated from marine microbes in an effort to further explore the relatively untapped marine microbes and their secondary metabolites for drug discovery.

PharmaSea
Exploring the bioactive compounds from endophytic bacteria of a medicinal plant: *Ephedra foliata* (Ephedrales: Ephedraceae) Mehrdad Ghiasvand 1,

Exploring the Bioactive Compounds from Actinobacteria ...
Exploring the extraction, use of bioactive compounds from fruit, veggie waste The United Nations' Food and Agriculture Organization (FAO) has estimated that losses and waste in fruits and vegetables are the highest among all types of foods, and may reach up to 60%.

Animal toxins: exploring novel bioactive compounds from ...
Marine organisms that live more than 6,000 meters below sea level are considered to be an interesting source of novel bioactive compounds as they survive under extreme conditions. PharmaSea's research teams will also search the Arctic waters off Norway and the Antarctic via Italian and South African partners and will look for new microbes in other unique environments such as thermal vents.

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