

Founded: 1972

ISSN: 2582-6506

CODEN: IJMNB

INDIAN JOURNAL OF GEO MARINE SCIENCES

Volume 51 Number 05

MAY 2022

CONTENTS

Research Articles

- In-silico* analysis of bioactive compounds extracted from seaweed *Amphiroa anceps* on the pathogenicity of bacteria 379
D Madathil & R Chidambaram
- In-vitro* screening of amylase producing halophilic bacteria isolated from seawater 388
S Abirami, M Muthu Lakshmi, A V Samrot, P J Jane Cypriyana, S Saigeetha & G Narendrakumar
- In-vitro* biocompatibility studies of nanochitosan/ polyvinylpyrrolidone blends on MC3T3-E1 cells showing beneficial effect in bone tissue engineering 396
V Sangeetha, P N Sudha & J Jayaprabakar
- Analysis of bioactive compounds from *Gracilaria foliifera* based on lunar phases 404
L S Abraham, P Prakash, N M D Sai Krishna, S Sunkar, O R Paramasivam, B I Thomson & K Rajakumari
- Cardio protective activity of *Sargassum wightii* on isoproterenol induced myocardial stress in rats 412
R E Renitta, S Rosario, P J Jane Cypriyana, A V Samrot, S Dhiva, S Abirami & P Prakash
- Enhancement of bacteriorhodopsin production from novel haloarchaea strains of Marakanam region of Tamil Nadu 418
S Joseph, L S Abraham, D Inbakandan, K Govindaraju & G Dharani
- Synthesis, characterization, biological and catalytic activity of carboxymethyl chitosan schiff base metal complexes 423
R Suresh, M Deepa, P N Sudha, T Gomathi, S Pavithra & P Moganavally
- Extraction and correlation of total phenolic and flavonoid contents in seaweeds collected from Rameshwaram during pre- and post- monsoon period using different solvent systems with their antioxidant activity 432
K M Smita, L Stanley Abraham, S Sunitha, R Vasantharaja & R Thirugnanasambandam

Antibacterial activity of the released metabolites of sea anemone <i>Stichodactyla gigantean</i> (Forsk., 1775) from the coast of South Andaman, India N S Heera, J K Mishra, S Sneha & M C Shehin Sadaka	439
Production of biodiesel from marine green seaweed using a renewable low-cost heterogeneous catalyst H Kumar, A Annam Renita & A Anderson	445
Production of marine algae methyl esters and evaluation of its engine performance and emission characteristics J Jayaprabakar, A Karthikeyan, A Prabhu, M Anish & Nivin Joy	451
Adsorption of chromium from aqueous solution using Chitosan-g-Graphene /Hydroxyapatite composite V Geetha, S Latha, T Gomathi, S Pavithra & P N Sudha	459
Sorption studies of divalent ions onto ternary beads of alginate, chitosan and carboxymethyl cellulose B Mahalakshmi Devi, T Gomathi, K Vijayalakshmi, R Ramya, S Pavithra & P N Sudha	468
Sorption studies on the removal of copper onto biopolymer derivative: chitosan-g-malic anhydride-g-ethylene dimethacrylate M R Gopal Reddi, T Gomathi, S Pavithra, J Annie Kamala Florence, P N Sudha & R Suresh	476
Batch kinetic studies of adsorption of Cu(II) ions from aqueous solutions onto alginate nanoparticles/PEG binary blend M Saranya, T Gomathi, S Pavithra, A Mubashirunnisa & P N Sudha	484
Valorization of discarded industrial processing wastes of Siboga squid (<i>Doryteuthis sibogae</i>) for the extraction and physico-chemical characterization of gelatin S R Radhika Rajasree, L Aranganathan & M Gopalakrishnan	490
A biochemical study on the growth traits of <i>Vigna radiata</i> (Green gram) influenced by Gunapaselam (Fermented Fish waste) - An approach to marine waste management B Thendral Hepsibha & A Geetha	496
INSTRUCTION TO AUTHORS	502