

Founded: 1972

ISSN: 0379-5136

CODEN: IJMNB

INDIAN JOURNAL OF GEO-MARINE SCIENCES

Volume 45 Number 2

February 2016

CONTENTS**RESEARCH ARTICLES**

- 191 Microtextures on quartz grains in the beach sediments of a high energy regime, kerala, Southwest coast of India: Silpa.B.L, Reji Srinivas, Likhil.C, Aneesh T.D, Krishna Prasad and Sajan K
- 197 The ionospheric VTEC inversion and results analysis based on the HY-2 satellite: Xinzhi Wang Dongjie Yue & Fuyang Ke
- 207 Impact of tillage and nutrient management practices on soil aggregate carbon pools of rice-wheat cropping system in semiarid India: S. Sandeep & K.M. Manjaiah
- 215 Simulation of morphological changes induced by large-scale coastal engineering using a 3D wave-current interaction model: Ting Xu & Xueyi You
- 224 Systematic Validation of Conductivity and Temperature from Ocean moored buoy data in the northern Indian Ocean with *in situ* ship based measurements: Simi Mathew, V. R. Shamji, G. Vengatesan, M. ArulMuthiah & R. Venkatesan
- 230 Bio indicators (Mussels) are at Danger along Karachi Coast affecting Economy in Pakistan: Kiran Nazir, Mu Yongtong, Khadim Hussain, Mohsin Ali Kalhoro, Mohammad Mohsin, Shamsheer Hyder, Selly Kartika, Sun Zhaoqun, AN Na
- 233 Beach dynamics and impact of armouring on olive ridley sea turtle (*Lepidochelys olivacea*) nesting at Gahirmatha rookery of Odisha coast, India: Satyaranjan Behera, Basudev Tripathy, K. Sivakumar, B.C. Choudhury
- 239 Emission of CO₂, CH₄ and N₂O from fuel combustion, industrial processes, agricultural and waste treatment sectors in Yangtze River Valley region, China, 1990-2010: Xi-Yuan Wang, Pei-Jiang Zhou, Kai Feng, Xue-cheng Zhang
- 254 A study on seasonal change in feeding habit, health status and reproductive biology of Indian Mackerel (*Rastrelliger kanagurta*, Cuvier) in coastal water of West Bengal.: Isha Das, Sugata Hazra, Subhra Bikash Bhattacharya, Sourav Das & Sandip Giri
- 261 A numerical approach for understanding the temporal and spatial correlation scales of sound velocity in long term: a case study for the source and surrounding region of the Kuroshio Current: Lianglong Da, Wuhong Guo & Weihua Li

- 269 Distribution of mesozooplankton along to Anatolian coast in Black Sea over autumn period: I. Yıldız & A. M. Feyzioglu
- 277 Determination of Metals in Tissues of Fish Species from Hurmabogazı Lagoon: Aysun Türkmen Yalçın Tepe & Mustafa Türkmen
- 283 The levels of heavy metals in the Mediterranean mussel (*Mytilus Galloprovincialis* Lamarck, 1819); Example of Giresun coasts of the Black Sea, Turkey: Yalçın TEPE & Nilgün SÜER
- 290 Preliminary study on growth and mortality of *Escualosa thoracata* (Valenciennes, 1847) from Mumbai waters: Shikha Rahangdale, Susant Kumar Chakraborty, Ashok Kumar Jaiswar, Latha Shenoy & Sadashiv Gopal Rajee
- 296 Climate change induced sea-level rise projections for the Pichavaram mangrove region of the Tamil Nadu coast, India: A way forward for framing time-based adaptation strategies: A. Saleem Khan, A. Ramachandran, K. Palanivelu & V. Selvam
- 304 Phenotypic and Molecular characterization of Epiphytic *Vibrios* from the marine macro algae of Andaman Islands, India.: Kada Narayana Murthy, R.Mohanraju, P.Karthick & Chatragadda Ramesh
- 310 First report of the Snake Eel *Neeenchelys cheni* (Chen and Weng, 1967) (Anguilliformes: Ophichthidae: Myrophinae) from Indian waters: Dipanjan Ray & Anil Mohapatra
- 313 Feasibility study on utilization of marine sand in concrete for sustainable development: M.Karthikeyan & V.Nagarajan
- 319 Additions to the Opisthobranch Fauna of Nicobar Group of Islands, India: R. Kiruba-Sankar, Titus Immanuel, M.P. Goutham-Bharathi & S. Dam Roy
- 323 A first study on growth, mortality and survivorship of the eared horse mussel, *Modiolus auriculatus* (Krauss, 1848) from India: S. Y. Tenjing , S. Thippeswamy & N. Narasimhaiah
- 333 Developmental stages observed during experimental culture of the egg bearing cyclopoid copepod *Oithona similis* (Claus, 1866): Jean Jose J, Lincy Alex, Lipton A P & Chandran A
- 338 Marine sponges as biological indicator of oligotrophic Andaman waters: R. Kiruba-Sankar, N.K.Chadha, S. Dam-Roy, Paramita Banerjee Sawant, Neelam Saharan & P. Krishnan
- 342 New distributional records of free-living marine nematodes from Indian waters II. Monhysterids: K.G.M.T. Ansari, P.S. Lyla & S. Ajmal Khan
- 352 Microbial Production of Astaxanthin pigment using Marine shrimp: Bhavsar S. P., Singh K. G. & Sharma L. P