

## Contents

- 171 Ratul Bhattacharjee and Jai Prakash Keshri – Cyanobacterial pigments in bioeconomy and phycovolarization: A review
- 183 Dibyendu Saha, Jai Prakash Keshri and Nimai Chandra Saha – Sustainable improvement of abandoned open cast coal mine pit: A special reference to Ratibati O.C.P., Raniganj coalfield, West Bengal, India
- 195 S. Munisha Murali and S. Sheeba – Temporal evaluation of Bacteria in the Lentic environment of Sasthamkotta Lake in Southern Kerala, India
- 203 Neha Jain, Richa Tikariha and Maya Shedpure – Scenario of pesticide consumption in India and its influence on biochemical and behavioral alterations to fish models
- 221 Sasanka Pramanik, Jayanta Kumar Biswas and Sisir Ghosh – A phoretic *Chaetonotus* sp. (Chaetonotida: Chaetonotidae) from a polluted river of India: Revelation from molecular taxonomy
- 233 S. Munisha Murali and S. Sheeba – DNA barcoding and molecular phylogeny of certain benthic fauna in Sasthamkotta Lake in Kerala, India
- 241 M. Isakkiyammal, V. Sornalakshmi, P.S. Tresina, M. Sivagamasundari and V.R. Mohan – Phytochemical screening, FTIR analysis and *in vitro* antioxidant potential of marine alga *Sargassum wightii* Greville ex J.Agardh
- 251 R. Mary Santhi – Antibacterial studies on *Hypnea musciformis* against selected bacterial pathogens
- 257 R. Mary Santhi – Antifungal studies on *Hypnea musciformis* against medically and agriculturally important fungi
- 263 Ruby Thomas and K. Raju Thomas – Assessment of Ichthyofauna and Hydrological variables in Veluthodu, a Head water Stream of Pamba river in Kerala
- 269 Aiswarya T. Nair and Sreeja Krishnan – Molecular docking of 4HRM HER2 protein with compounds of *Ulva lactuca* Linnaeus showing anticancer property
- 273 S. Emeemal Sharon and G. Rani – Isolation, characterisation and identification of Exiguobacterium from Marine Red algae (Rhodophyceae) and its effect on the germination of *Oryza sativa* L.
- 285 Hemen Chandra Majumdar, Sailendra Prasad Borah and Bhabesh Chandra Goswami – Isolation and Characterization of Carotenoids from *Glaucozystis nostochinearum* Itzigsohn
- 289 A.S. Deepika and Raju K. Thomas – A comparative study on Ichthyofauna in relation to Physico-Chemical Properties of two Western Ghats Streams of Achenkovil River, Southern Kerala
- 297 P. Gayathri and C. Shanmugasundaram – Phytoremediation ontannery effluent using marine cyanobacteria *Oscillatoria terebriformis*
- 303 S. Vasanthakumar, Bakthavachalam Babu, K. Nandhini, J. Hannah Sherine and Grace Mariam Philip – Diversity of Euglenophyceae from Kanniyakumari District, Tamil Nadu, India
- 317 P. Gayathri and T. Srinivasan – Antibacterial activity of different extracts of marine alga *Ulva* sp.
- 321 Abhay N. Salve and Bhupal B. Chaugule – Developmental morphology and life history of *Batrachospermum hypogynum* Kumano *et* Ratnasabapathy from India

## Contents (Continued)

- 329 C.H. Ajas Miraj, Jobins Kurian, S. Shaym Kumar and M.P. Prabhakaran – Spatio-temporal variations in macro-phytobenthic community structure along southwest coast of India
- 341 R. Jayalekshmi – Phytochemical analysis of *Gracilariacorticata* (Gracilariaceae, Rhodophyta) from Kollam Coast of Kerala
- 349 M. Muthukumaran, A. Noorjahan, G. Bupesh and K. Meenakshi Sundaram – Molecular docking based virtual screening of lung cancer kinases with Quinoxalin-2-one from the diatom, *Nitzschia longissima*
- 357 Ashwini Satish Shewale, T.S. Bhosale and V.Y. Deshpande – Glyphosate-based herbicide Roundup induced protein changes in some organs of freshwater crab *Barytelphusa cunicularis* (West Wood 1836)
- 365 Mishra Rama and R.K. Singh – Composition and diversity of zooplanktons in Khutaghat dam of Bilaspur, Chhattisgarh, India
- 373 Digvijay Verma, Rinku Bharati, Vinay Kumar Singh, Shyam Kishore and Seshu Lavania – Fresh water algal diversity of the Tarai region of Northern Uttar Pradesh: *Cosmarium* Corda ex Ralfs