

1. **Kumar, A.,** R Nivetha. **2024.** Diversity and Distribution of Biosynthetic Gene Clusters in the Halophilic Bacteria, 23 August 2024, PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-4878965/v1>].
2. S. Prakash, **Kumar, A. 2024.** Influencing intertidal food web: Implications of ocean acidification on the physiological energetics of key species the ‘wedge’ clam *Donax faba*, *Marine Pollution Bulletin*, 202,116366, <https://doi.org/10.1016/j.marpolbul.2024.116366>.
3. **Kumar, A. 2024.** UV-B halotolerant bacteria from Marakkanam saltpan and biology of UV-B tolerant *Pontibacillus salipaludis* based on whole genome sequencing. *Geomicrobiology Journal* 41 (02), 183-192.
4. Rahman, S., **Kumar, A.,** Dutta, A, Kalita, MC., **2023.** DNA barcoding and molecular phylogenetics of Anguilliform fishes of Assam, India. *Journal of Bioresources* 10 (1): 07–13.
5. **Kumar, A.,** Prakash, S. **2023.** Molecular phylogeny reconstruction and biogeographic pattern of Rays (Elasmobranchii: Myliobatiformes) from Indian coastal waters. *Indian Journal of Geo-Marine Sciences*, 52 (02), 65-78.
6. Raut, S., Prakash, S., & **Kumar, A. 2023.** Assessing artisanal fishers' attitude and perception towards electric rays conservation along Indian coast. *Marine Policy*, 157, 105826.
7. Kunjulakshmi, K., Prakash, S., & **Kumar, A. 2023.** A New Species of the Genus *Dendronephthya* Kükenthal 1905 (Octocorallia: Alcyonacea: Nephtheidae) and Associated Crustaceans from Covelong, Chennai, India. *Thalassas: An International Journal of Marine Sciences*, 39(2), 839-846.
8. **Kumar A.,** Prakash, S. **2023.** Mitochondrial genome of ‘numbfish’ *Narcine timlei* (Bloch & Schneider, 1801), and phylogenetic relationships among order Torpediniformes. *Journal of Applied Ichthyology*, Vol. 2023, 6829359. <https://doi.org/10.1155/2023/6829359>.
9. **Kumar A.,** Raut, S., Prakash, S. **2022.** Field Identification Guide for Common Marine and Coastal Life of Covelong, Chennai. Sathyabama Institute of Science and Technology, Chennai. ISBN: 978-93-83409-76-1.
10. S. Raut, S. Prakash, **Kumar, A. 2022.** New distributional record of Pen shell *Atrina hystrix* (Hanley, 1858) from Chennai coast, India. *The Nautilus*, 136, 49-55.
11. Raut, S., Prakash, S., Vinuganesh, A., **Kumar, A. 2022.** A new species of the genus *Protohyale* Bousfield & Hendrycks, (Crustacea, Amphipoda, Hyalidae) from Covelong, Chennai, India. *Zootaxa* 5205 (6): 563–574, DOI: 10.11646/ZOOTAXA.5205.6.4. (As corresponding author).
12. Vinuganesh, A.; **Kumar, A.,** Korany, S.M.; Alsherif, E.A.; Selim, S.; Prakash, S.; Beemster, G.T.S.; AbdElgawad, H. **2022.** Seasonal Changes in the Biochemical Constituents of Green Seaweed *Chaetomorpha antennina* from Covelong, India. *MDPI-Biomolecules*, 12, 1475. <https://doi.org/10.3390/biom12101475>. (as corresponding author).
13. Vinuganesh, A., **Kumar, A.,** S. Prakash, SM Korany, EA Alsherif, S. Selim, H. AbdElgawad. **2022.** Evaluation of growth, primary productivity, nutritional composition, redox state, and antimicrobial activity of red seaweeds *Gracilaria debilis* and *Gracilaria foliifera* under pCO<sub>2</sub>-induced seawater acidification. *Marine Pollution Bulletin*, 185, Part A, 114296. <https://doi.org/10.1016/j.marpolbul.2022.114296>.
14. **Kumar, A#,** Nonnis, S<sup>#</sup>, Castellano, I., AbdElgawad, H., Beemster, G., Buia, M.C., Maffioli, E., Tedeschi, G., Palumbo, A. **2022.** Molecular response of *Sargassum vulgare* to acidification at volcanic CO<sub>2</sub> vents: insights from proteomic and metabolite analyses. *Molecular Ecology*, 31, 3844– 3858. (#equal authorship).

15. Arya, A., **Kumar, A. 2022.** Serum and plasma proteomics for high altitude related biomarker discovery. *In High altitude sickness –solutions from genomics, proteomics, and antioxidant interventions* (eds. N.K. Sharma and Arya, A). Springer nature Singapore.
16. Prakash, S., **Kumar, A.**, Okla, M., Ahmad, A., Abbas, Z.K., Al-ghamdi, A.A., Beemster, G.T., Abdelgawad, H. **2022.** Physiological responses of the symbiotic shrimp *Ancylocaris brevicarpalis* and its host sea anemone *Stichodactyla haddoni* to ocean acidification, *Marine Pollution Bulletin*, 175, 113287.
17. Vinuganesh, A., **Kumar, A.**, Prakash, S., Alotaibi, M.O., Saleh, A.M., Mohammed, A.E., Beemster, G.T., Abdelgawad, H. **2022.** Influence of seawater acidification on biochemical composition and oxidative status of green algae *Ulva compressa*. *Science of the Total Environment*, 806, 150445.
18. Singh, S., **Kumar, A.**, Arya, A., **2022.** Re-thinking cheat-proof and supervision-free exams: A perspective in view of Covid-19 situation in developing economies. *Biochemistry and Molecular Biology Education*, 50 (02), 246-248.
19. **Kumar, A.**, Vinuganesh, A., Prakash S. **2021.** An Assessment of marine and coastal diversity of Covelong, Chennai, India. *Regional Studies in Marine Science*, 48, 102034, <https://doi.org/10.1016/j.rsma.2021.102034>.
20. **Kumar, A.**, Prakash S. **2021.** Rare observation of sea anemone *Calliactis polypus* on carapace of spider crab, *Doclea muricata* at the Covelong fish landing centre, Chennai, India. *Current Science*, 121 (7), 873.
21. Patel, K., Patel, P., Trivedi, JK., **Kumar, A.**, Prakash, S. **2021.** By-Catch diversity of Brachyuran crabs (Crustacea: Decapoda) from Gulf of Mannar, Tamil Nadu, India. *Journal of Biological Studies*, 4 (2): 1-31, 2021.
22. Adhavan, D., Prakash, S., **Kumar, A. 2021.** Tube dwelling gastropod an indicator of coral reef status at the tropical reef of Palk Bay region, southeast coast of India. *Indian Journal of Geo-Marine Sciences*, 50: 585-587.
23. Vinuganesh, A., Prakash, S., **Kumar, A. 2021.** Seasonal variation in the *Chaetomorpha antennina* associated fauna from rocky intertidal zone of Covelong, Chennai. Proceedings of the “Marine Biology Research Symposium – MBRS 2021. Sathyabama Institute of Science and Technology, Chennai and National Bureau of Fish Genetic Resources, Lucknow, India.
24. Prakash, S., Muthu, A., **Kumar, A. 2021.** Population structure and reproductive performance in the sea anemone associated shrimp *Ancylocaris brevicarpalis* (Caridea: Palaemonidae). *Journal of the Marine Biological Association of the United Kingdom*, 1-8. doi:10.1017/S002531542000137X.
25. Prakash, S., **Kumar, A. 2021.** An introduction to seashells of Rameswaram. Published by *Sathyabama Institution of Science and Technology* ISBN. 978-93-83409-63-1.
26. John, J., Dineshram, R., Hemalatha, R., Magesh, P., Dharani, G., **Kumar, A. 2020.** Bio-decolorization of synthetic dyes by a halophilic bacterium *Salinivibrio* sp. *Frontiers in Microbiology*, 11:594011. doi: 10.3389/fmicb.2020.59401.