



PERSONAL DETAILS

SURNAME:

SIVASANKARAN

FIRST NAME:

SREELAKSHMY

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RESEARCHGATE:

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DATE OF THE CV:

17/06/2025

LANGUAGES

NATIVE: Malayalam

OTHER LANGUAGE

SKILLS:

- English (Understanding C2, Speaking C1 and Writing C2)
- Hindi (Understanding C2, Speaking C2 and Writing C2)
- Tamil (Understanding C1, Speaking A2 and Writing A2)

CURRICULUM VITAE

EDUCATION

- Ph.D. in Marine Sciences, Cochin University of Science and Technology (CUSAT), Kochi (2025).

Ph. D. Thesis title: **Taxonomy, Fishery, Biology and Population dynamics of *Plesionika semilaevis* along the Southwest Coast of India**. Under the guidance of Dr. Rekha Devi Chakraborty, Principal Scientist, Shellfish Fisheries Division, ICAR- Central Marine Fisheries Research Institute, Kochi.

- M.Sc. Zoology (First Rank, 93.2%), PSG College of Arts and Science, Bharathiar University, Coimbatore (2018).
- B.Sc. Zoology (First Rank, 95.2%), PSG College of Arts and Science, Bharathiar University, Coimbatore (2016).
- CSIR-UGC NET JRF (All India Rank 22, 2018).
- GATE Life Sciences (All India Rank 203, 2019).

EXPERIENCE

- Assistant Professor of Zoology, Department of Zoology, Government College Kasaragod, Kerala, India, March 2026 – Present

RESEARCH FUNDING AND GRANTS

- CSIR UGC JRF (Life Science) (2019 to 2024)
- Training and Travel Grant 2022, British Ecological Society, UK

AWARDS AND HONOURS

- CSIR UGC (Life Science) - Junior Research Fellow, (Dec 2018)
- Best Student Research Paper Presentation Award in 34th Kerala Science Congress 2022

RESEARCH OUTPUT

Total No. of Publications: 18 (Research Articles – 13, Conference Proceedings – 5)

- 1. Sreelakshmy, S., Ameri, S., Chakraborty, R.D., Laxmilatha, P. & Ghosh, S. (2026).** Genetic divergence and biogeographic patterns in the deep-sea shrimp *Plesionika semilaevis* across the Western Indian Ocean. *Thalassas: An International Journal of Marine Sciences*. <https://doi.org/10.1007/s41208-026-01175-4>
- 2. Chakraborty, R. D., Kuberan, G., Purushothaman, P., Maheswarudu, G., Gayathri, A. P., Sreelakshmy, S., & Muralidharan, A. (2025).** DNA barcoding and phylogenetic analysis of deep-sea caridean shrimps (Decapoda: Caridea) from the southern coast of India: Integrative taxonomy of Caridean shrimps. *Indian Journal of Fisheries*, 72(4), 38–46. <https://doi.org/10.21077/ijf.2025.72.4.148395-05>
- 3. Chakraborty, R. D., Sreelakshmy, S., Sunil, K. T. S., Sreesanth L. & Ragesh, N. (2025).** Growth parameters and population dynamics of deep-sea caridean shrimp *Plesionika semilaevis* (Spence Bate, 1888) along the south-west coast of India. *Indian Journal of Fisheries*, 72(3), 35-44.
- 4. Sreelakshmy, S., Chakraborty, R. D., Chakraborty, K. & Dhara, S. (2024).** Biochemical analysis and nutritional profile of *Plesionika semilaevis*, a deep-sea shrimp from the Arabian Sea. *Journal of Food Composition and Analysis*, 128, 106034. doi: <https://doi.org/10.1016/j.jfca.2024.106034>
- 5. Chakraborty, R.D., Sarada, P.T., Dash, G., Kumar, R., Divipala, I., Rajkumar, M., Kuberan, G., Sreelakshmy, S. & Maheswarudu, G. (2024).** Stock structure analysis of the declining shovel-nosed lobster *Thenus unimaculatus* (Burton and Davie, 2007) for effective management and conservation along the Indian coast. *Indian Journal of Fisheries*, 71(2), 1-14.
- 6. Chakraborty, R. D., Sreelakshmy S., Sarada, P.T., Sreesanth L. (2024).** Feeding habits of the deep-sea shrimp *Plesionika quasigrandis* Chace, 1985 (Decapoda: Caridea: Pandalidae) in the southeastern Arabian Sea. *Journal of Crustacean Biology*, 44 (3). doi: <https://doi.org/10.1093/jcbiol/ruae041>
- 7. Sreelakshmy S. & Chakraborty, R. D. (2023).** Reproductive traits, dynamics of oogenesis and embryonic developments in the deep-sea shrimp *Plesionika semilaevis* from the southeastern Arabian sea. *Deep Sea Research Part I: Oceanographic Research Papers*, 199, 104133. doi: <https://doi.org/10.1016/j.dsr.2023.104133>
- 8. Sreelakshmy S., Chakraborty, R. D. & Sreesanth L. (2023).** Feeding ecology of the pandalid shrimp, *Plesionika semilaevis* (Spence Bate 1888) in South Eastern Arabian Sea, *Regional Studies in Marine Science*, Volume 61, 102866, ISSN 2352-4855. doi: <https://doi.org/10.1016/j.rsma.2023.102866>
- 9. Chakraborty, R.D., Gayathri, A.P., Aghana, M., Sreelakshmy, S., P., Sreesanth, L., Ragesh, N. & Kuberan, G. (2023).** New records of decapod crustaceans from the Arabian Sea, southwest coast of India. *Journal of Marine Biological Association of India*, 65 (1), 125-130.
- 10. Chakraborty, R. D., Laxmilatha, P., Vidhya, P. V., Udayan, U., Sreelakshmy, S., Aghana, M., ... & Ratheesh, T. (2023).** Occurrence of deep-water spider crab *Paramaya mulli* Ng, Prema & Ravichandran, 2018 from the Southwest coast of India. *Indian Journal of Geo Marine Sciences*, 52(10), 485-489.
- 11. Chakraborty, R.D., Sreelakshmy, S., Aghana, M., Gayathri, A. P. & Sreesanth, L. (2023).** Occurrence of Deep-sea shrimp, *Hadropenaeus lucasii* (Spence Bate, 1881) from the southwest coast of India. *Zootaxa*, 5254 (1), 127-132. ISSN 1175 5334. doi: 10.11646/zootaxa.5254.1.7
- 12. Chakraborty, R.D., Gayathri, A.P., Sreelakshmy, S., Aghana, M. & Kuberan, G. (2021).** DNA barcoding of deep-sea shrimp *Sicyonia parajaponica* Crosnier, 2003 (Crustacea: Decapoda: Sicyoniidae) from southwest coast of India. *Zootaxa* Vol. 4985 (1), 125-130.

13. Sreelakshmy, S. & Thangapandian P. (2019). In vitro antibacterial efficacy of *Plectranthus amboinicus* mediated silver nanoparticles against urinary tract pathogens. *Asian Journal of Pharmaceutical and Clinical Research*, Vol 12, Issue 2, 153-159.

14. Conference paper - **Sreelakshmy S** and Rekha Devi Chakraborty. Conference Proceedings “New insights into the vitellogenesis process and early development of deep-sea shrimp *Plesionika semilaevis* (Spence Bate 1888)”, International Conference on Responsible Aquaculture and Sustainable Fisheries Interact (RASHI), 13th-16th December 2022, College of Fisheries, Tripura, India.

15. Conference paper - **Sreelakshmy S** and Rekha Devi Chakraborty. Conference Proceedings “Growth parameters and niche breadth analysis of caridean shrimp provide new insights for sustainable deep-sea shrimp fisheries and ecosystem management of the southwest coast of India”, International Conference-Natural Science and Green Technologies for Sustainable Development (NTSD-2022), 30th Nov-2nd Dec 2022, Goa University, Goa, India.

16. Conference paper - Rekha Devi Chakraborty, A.P. Gayathri, M. Aghana, **S. Sreelakshmy**, T. M. Najmudeen, Josileen Jose, L. Sreesanth, N. Ragesh ‘Length weight relationship and biology of the deep sea shrimp *Penaeopsis jerryi* Perez Farfante, 1979 landed by the trawlers off Kollam along the South-west coast of India’ 12th Indian Fisheries and Aquaculture Forum (*IFAF*) Conference, 5th to 7th May 2022. Chennai, Tamil Nadu, India.

17. Conference paper - **Sreelakshmy S** and Rekha Devi Chakraborty. Conference Proceedings “Feeding habits of the deep-sea pandalid shrimp, *Plesionika semilaevis*, Spence Bate, 1888 from the southwest coast of India”, 34th Kerala Science Congress, 10-12th Feb 2022, Thiruvananthapuram, Pg 323-324

18. Conference paper – **Sreelakshmy S** and Thangapandian P, “Biosynthesis of Silver nanoparticles using *Plectranthus amboinicus* leaf extract to treat Urinary Tract Infections”, Conference proceedings- National Conference on ‘Impact of Global Warming on Vector- Borne diseases’, JKKN College of Arts and Science, Feb 2018

OTHER KEY ACADEMIC MERITS

- Member of British Ecological Society
- Member of Association for the Sciences of Limnology and Oceanography
- Member of Deep Ocean Stewardship Initiative (DOSI)
- Member of Board of Studies – Department of Zoology (PG), PSG College of Arts and Science, 2022 - 2025
- Peer reviewer and contributor to scientific journals and conferences in the field of marine sciences.