

BIODATA



Name: Dr. Sreedevi N Kutty

Designation: Assistant Professor

Department: Zoology

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Academic Qualification: PhD

Experience:

- Teaching: 11.5 years
- Research: 15 years

Area of Interest/ specialisation: Microbiology

Area of Research: Microbial Ecology; Metagenomics

• Major/Minor Research Projects:

1. Minor Project entitled “Microbial impact in major tourist beaches of Kerala” funded by UGC (Completed).
2. Major project entitled “Development of microbial consortia as bioremediators from the mangroves of Northern Kerala” funded by KSCSTE, Rs. 20,07000 (Completed).
3. Major Project entitled “Diversity and Biotic Potential of Yeasts from the Mangroves of Central Kerala” funded by KSCSTE, Rs. 12,51800 (Completed). **Co-PI- Dr. Sreedevi N Kutty.**

• Responsibilities Undertaken(Official):

- Member, Digital Committee, HHMSPB NSS College for Women, Thiruvananthapuram (2013-14)
- Member, Nature Club, HHMSPB NSS College for Women, Thiruvananthapuram (2012-14)
- Co-ordinator, WWS programme, NSS College, Ottapalam (2014-2016)
- Nodal Officer, AISHE, NSS College, Ottapalam (2017-2018)
- Co-ordinator, Medical Inspection, NSS College, Ottapalam (2017-2018)
- Convenor, Digital and website committee, NSS College, Nemmara (2018-2020)
- Member, RUSA research network group (2018- till date)

- Nodal Officer, AISHE, NSS College, Nemmara (2019-till date)
- Co-ordinator, SAAC, NSS College, Nemmara (2019-till date)
- Secretary, Staff Club, NSS College, Nemmara (2019-2022)
- Research Guide in Zoology, University of Calicut
- Public information officer (2020-2021)
- Member IQAC, NSS College, Nemmara (2021-till date)
- Co-ordinator, Academic and research committee (2021-till date)
- Member Anti-ragging committee (2019- till date)
- Member Anti-narcotics club (2019- till date)
- Co-ordinator, Birds club (2021- till date)

Seminars Organised/ Invited Lectures

- UGC sponsored national seminar on “Understanding biodiversity: progress and problems”
- KSCSTE sponsored seminar on “Impact of climate change on flora and fauna”

Publications in Journals (Numbers)(Title with page No, Journal, ISSN/ISBN No whether peer reviewed no. of co-authors)

International-10

National- 5

Regional -2

- **Sreedevi N Kutty** and Rosamma Philip. 2008. Marine yeasts - a review. *Yeast* 25 (7): pp 465 – 483.
- **Sreedevi N Kutty**, Damodaran, R. and Rosamma Philip. 2008. Hydrolytic enzyme production by marine yeast isolates from the slope sediments of Bay of Bengal. Proceedings of the National Seminar on Bioactive compounds from marine organisms. Editors: Menon, N. N., Hatha, A.A.M., Philip, B., and Saramma, A.V. pp.85-89.
- **Sreedevi N Kutty**, Rosamma Philip and Damodaran, R. 2012. Degradation of Petroleum Hydrocarbons by Marine Yeasts *Candida Tropicalis* SD 302 and *Pichia Guilliermondii* SD 337. *Blue Biotechnology* 1(3): pp 423- 431.
- **Sreedevi N Kutty**, Douglas Lawman, I S Bright Singh and Rosamma Philip. 2013. Black yeasts from the slope sediments of Bay of Bengal: phylogenetic and functional characterization. *Mycosphere* 4(2): pp 307–316.
- **Sreedevi N Kutty**, Rosamma Philip and Damodaran, R. 2013. Marine yeasts in the slope sediments of Arabian Sea and Bay of Bengal. *European Journal of Experimental Biology* 3 (3): 311-327.
- **Sreedevi N Kutty**, Damodaran, R and Rosamma Philip. 2014. Yeast Isolates from the Slope Sediments of Arabian Sea and Bay of Bengal: Physiological Characterization. *Advances in Applied Science Research* 5(5): 177-187.

- **Sreedevi N Kutty**, Damodaran, R and Rosamma Philip. 2016. Hydrolytic potential of Marine Yeasts isolated from Bay of Bengal. Proceedings of the National Seminar on “Marine Biodiversity and Bioprospecting for Sustainable Livelihood”, organized by the Department of Marine Biology, Microbiology and Biochemistry, School of Marine Sciences, CUSAT.
- **Sreedevi N Kutty**. 2016. A comparative study of Bacterial quantification in drinking water from different disinfected sources. *Vistas*, Volume III: 25-34.
- **Sreedevi N Kutty**. 2017. Study of Benthos of the intertidal zone of five beaches, in and around Chavakkad. *Vistas*, Volume IV: 1-14.
- Muhammedali, V. C., **Sreedevi N. Kutty** and Sebastian, C. D. 2018. A study of detection and identification of pollution indicator bacteria from Canoly canal, Kozhikode. Proceedings of the National Seminar on “Frontiers in Biological Research”, organized by the Department of Zoology, University of Calicut. ISBN: 978-93-5321-240-7: pp 106-115.
- **Sreedevi N. Kutty** and Sebastian C. D. 2019. Microbial pollution assessment in major tourist beaches of Kerala. *Online International Interdisciplinary Research Journal* 9(4): 29-34.
- **Sreedevi N. Kutty** and Sebastian C. D. 2020. Assessment on Bacteriological Contamination of River Water in the Urban Areas of Kozhikode, Kerala. *International Journal of Science and Research*, 9(4): 1638-1642.
- **Sreedevi N. Kutty**, Nijisha Suresh, A., Anjali, M., Bhavitha, M.K. and Sebastian, C.D. 2020. Diversity of Culturable Bacterial Isolates from Mangroves of Kadalundi –Vallikkunnu community reserve, Kerala, India. *Journal of Aquatic Biology & Fisheries*, 8: 22-25.
- Thara Paul, Sebastian C. D and **Sreedevi N Kutty**. 2020. Distribution and hydrolytic potential of bacteria during monsoon and post monsoon seasons in the mangrove sediments of North Kerala. *Bioscience Biotechnology Research Communications*, 13(4): 1914 – 1919.
- **Sreedevi N. Kutty** , A. Nijisha Suresh , M. Anjali , M. K. Bhavitha , Thara Paul and C. D. Sebastian. 2020. Identification and phylogeny of potential bacteria isolated from mangroves of Kadalundi, Kerala, India. *Journal of Marine Biological Association of India*, 62(2): 139-142.
- Vidya P., **Sreedevi N. Kutty** and Sebastian C. D. 2021. Characterization and antimicrobial properties of pigments from yeast, *Rhodotorula mucilaginosa* isolated from the mangrove sediments of North Kerala, India. *Asian Journal of Biological and Life sciences*, 10(3); 559-565.
- Vidya P., **Sreedevi N. Kutty** and Sebastian C. D. 2022. Effect of physico-chemical parameters in the production of hydrolytic enzymes from yeast *Candida tropicalis* isolated from the

mangrove sediments of North Kerala, India. *Jordan Journal of Biological Sciences*, 15(2); 249-255.

Paper Presentations: 12

Seminars Attended : International: 3

National: 14

State level:

Books Published (Title with page No, book title, editor and publisher ISSN/ISBN no.whether peer reviewed no. of co-authors):

BOOK PUBLISHED: Marine Yeasts: Ecology and Applications. 2014. **Sreedevi N Kutty**, R Damodaran and Rosamma Philip. 128 pp

BOOK CHAPTER: Black yeasts from Indian waters: Phylogenetic and functional characterization. 2019. Sreedevi N Kutty. In: *Biota- A Compendium of research papers*, Edited by Dr. Abhilash E S, Dr. Thejass P and Dr. Sinitha K. published by UGC-HRDC, University of Calicut.

SESSIONS CHAIRED:

- Technical Session titled “Benthic Microbiology and Molecular Biology” in the International Conference on Benthos , ICB-19 from March 14-16, 2019, organized by the Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science and Technology.
- Technical Session titled “Benthic Ecology and Diversity” in the International Conference on Benthos , ICB-19 from March 14-16, 2019, organized by the Department of Marine Biology, Microbiology and Biochemistry, Cochin University of Science and Technology.

TRAINING UNDERGONE:

- Training programme on Advances in DNA marker techniques held at NBFGR, Cochin Unit, CMFRI Campus, Kochi – 682018, during 17- 28th February 2009.
- Training workshop on Bioinformatics held at the Post Graduate Department and Research centre in Aquaculture and Fishery Microbiology of MES College, Ponnani, during 4th and 5th August 2010.
- UGC Sponsored Orientation programme at Academic Staff College, University of Calicut from 02.03.2012 to 29.03.2012
- UGC sponsored refresher course in Life Sciences at Academic Staff College, University of Calicut from 30.11.2012 to 20.12.2012

- Training workshop on Bioinformatics held at Dept. of Zoology, Government Women's College, Thiruvananthapuram, on 12th November 2013.
- UGC sponsored refresher course in Life Sciences at Academic Staff College, University of Calicut from 24.10.2018 to 13.11.2018.
- One week online FDP on Moodle (LMS) conducted by IIT, Bombay and Sinhgad Institute of Technology, Pune, from 01.05.2020 to 06.05.2020.
- One week online FDP on Recent trends in research methodology conducted by REST Society for research International, Krishnagiri, Tamilnadu, from 25.05.2020 to 29.05.2020.

Membership in Professional Bodies: Life Member, Society of Marine Biologists