

Curriculum vitae Dr. Dipti Raut

Designation	Professor		
Department	Zoology		
Address (Campus)	Environmental Science Laboratory, Department of Zoology, Ravenshaw University, Cuttack-753003, Odisha, India E mail raut.dipti2@gmail.com ; diptiraut@ravenshawuniversity.ac.in		
Education			
Subject	Institution	Year	Details
B.Sc. (Hons.)	St. Joseph’s College for Women, Visakhapatnam, Andhra University	1989	Zoology main. First class
M.Sc.	Ravenshaw College, Cuttack, Utkal University	1991	Zoology, specialization Fisheries. First Class, University First
M.Phil.	Andhra University	1995	Zoology, specialization Marine Biology. Research: Hydrographic and Benthic changes in relation to pollution in a boat harbour in Visakhapatnam, India.
Ph.D.	Andhra University	1998	Zoology, specialization Marine Biology. Research on Benthic macrofauna of mangrove waterways and the bay environment of Kakinada East coast of India.
Career Profile			
Organization/Institution	Designation	Duration	Role
T.S.R and T.B.K Degree and P.G College, Gajuwaka, (affiliated to Andhra University) Visakhapatnam, Andhra Pradesh	Assistant Professor	10/12/2005 to 03/04/2010	Post graduate teaching -Zoology
Ravenshaw University	Associate Professor	03/05/2010 to present	Teaching and research
Research Interests / Specialization			
Research Focus: Marine Biology- Benthic Ecology. Coastal monitoring studies in relation to pollution, Hydrobiological studies, Taxonomy and ecology of Macrobenthos of mangroves, estuaries, intertidal, subtidal regions, harbours and Bays.			
Teaching Experience (Subjects /Course Taught) Research Guidance			
Teaching Experience: more than 20 years (Zoology B.Sc. and M.Sc) Research Experience: more than 18 years			
Research Guidance: Ph. D awarded, 05: 1. Mohanty, Biswaprajna. 2018. Taxonomy and ecology of brachyuran crabs of Devi estuary and associated mangrove environment, Astarang, east coast of India 2. Nayak, A. 2020. Benthic Macrofauna Of Mahanadi Estuary Odisha East Coast Of India			

3. Rout, S.S. 2021. Shallow Water Benthic Communities Of Andhra Pradesh East Coast Of India
4. Dash, Bhagyashree. 2021. Macrobenthic Ecology Of Kakinada Bay East Coast Of India
5. S.Prusty. 2024. Benthic Macrofauna Of The Bay And Adjoining Waterways Of Jambu And Kharnasi, Odisha East Coast Of India

Thesis submitted: 01; ongoing 5.

DST Woman Scientist (WOS-B): 01

M.Phil. awarded, 12

PG project dissertations: 30

Honors / Awards

Awards:

1. **Best Paper Award 2019** at International Conference On Benthos, School Of Marine Sciences, Cochin University Of Science And Technology, Kochi
2. **Best Paper Award 2020** at International Conference on Advances in Coastal Research With Special Reference To The Indo Pacific, National Centre For Coastal Research, Chennai

Research Fellowships: Research Fellowship, 1995, Commission of European Communities

Research Projects

1. Macrobenthos Community Structure Of Mahanadi Estuary, East Coast Of India. University Grants Commission, India. Completed
2. Benthic Macrofauna Of Mangrove-fringed Devi Estuary, Odisha, East Coast Of India. Odisha Biodiversity Board. Completed.
3. Shallow Water Benthic Communities & Food-Web Dynamics: A Case For The East Coast Of India. MoES, New Delhi, Collaboration with Marine Biological Laboratory, Andhra University. Completed.
4. Petroleum Corridor Project off Kakinada-Visakhapatnam Project, On 'Marine Environmental Impact Assessment Study For VK-PCPIR SDA Area' association with INDOMER Coastal Hydraulics (P) Ltd., Chennai, funded by the Government of Andhra Pradesh. Completed. Consultancy with the Marine Biological Laboratory, Andhra University.
5. Benthic studies of Kongsfjorden, west coast of Spitsbergen, Svalbard. Completed. Project in the Arctic in collaboration with the National Centre for Polar and Ocean Research, Andhra University, and Pondicherry University. Registered with the Svalbard Research Forum in 2015.
6. Macrobenthos and phytoplankton community structure of Dhamra estuary, Odisha East coast of India DST Odisha. Completed.

Research Publications

1. Beshpalaya, Y.V., Kropotin, A.V., Aksenova, O.V., Gofarov, M.Y., Kondakov, A.V., Konopleva, E.S., Khrebtova, I.S., Mabrouki, Y., Palatov, D.M., Prokin, A.A., Karabanov, D.P., Travina, O.V., Taybi, A.F., Izzatulayev, Z.I., Boymurodov, K.T., Tahirova, E.N., Snegovaya, N.Y., Tien, T.V., Vikhrev, I.V., Vinarski, M.V., Kyi, C.T., Chan, N., Lunn, Z., Unnikrishnan, S.K., Pattnaik, S., **Raut, D.**, Subba Rao, N.V. and Bolotov, I.N. (2025), Global Molecular Taxonomy, Phylogeny and Biogeography of the Clam Genus *Corbicula* (Bivalvia: Cyrenidae). Zool Scr. <https://doi.org/10.1111/zsc.70022>
2. Rath, P., Pattnaik, S., Samal, A., & **Raut, D. (2025)**. The conglomerates of freshwater pearl mussel *Lamellidens marginalis* (Lamarck, 1819): insights on glochidial morphometrics. *Molluscan Research*, 1-10.

3. Behera, R., Mishra, A., Dalai, S., Prusty, S., Subba Rao, N. V., & **Raut, D.** (2025). Range Extension of the Terebrid Gastropod *Duplicaria franknolfi* Terryn, 2021 in India. *National Academy Science Letters*, 1-8.
4. Sanjaya Dalai, Aparna Mishra, Rajaram Behera, Bhagyashree Dash, N. V. Subba Rao and **Dipti Raut.** (2025). Expanding horizons: Range extension of three gastropod species to the northeast coast, India. *Journal of the Marine Biological Association of India*, 67 (2).
5. Patnaik, S., Mishra, S., Mahapatro, D., Behera, R., Pati, S. S., **Raut, D.**, Mallick, N., & Murugesan, K. (2025). Study of copepod diversity from Gahirmatha coastal stretch: An ecological sensitive area, Northeast coast of India. *Records of the Zoological Survey of India*, 517-526.
6. Behera, A., **Raut, D.**, & Palita, S. K. (2025). The ecological diversity and distribution of Brachyuran crabs in the mangroves of Kalibhanjadia, Bhitarkanika National Park, Odisha. *Records of the Zoological Survey of India*, 509-516.
7. Behera R, Mishra S, Das Sharma S, Mahapatro D, Pati SS, **Raut D**, Mallick N, Murugesan K. (2023). Influence of water quality and sediment nature on macrobenthic community structure along Paradeep, an industrial and port influenced tropical coastal stretch of North East coast of India, Bay of Bengal. *Regional Studies in Marine Science*. 62: 102970.
8. Mishra A, Dalai S, Rajaram Behera, Subha Rao N.V. **Raut D.** (2024). Rare Moon Shell *Sinum laevigatum* (Gastropoda: Naticidae): A New Record from Coastal Waters of Peninsular India. *Thalassas: An International Journal of Marine Sciences*. 40: 653-657.
9. Shilpa Patnaik, Debasish Mahapatro, Sangeeta Mishra, Sharada Shrinivas Pati, Niranjana Mallick and **Dipti Raut.** Spatio-temporal Distribution of Zooplankton along Paradeep, Gahirmatha and Dhamra coastal Stretch, North Odisha Coast. (2024). *Rec. zool. Surv. India*: Vol. 124 (iS)/733-744.
10. Lovaraju, A., Kumar, B. C., Vardhan, K. V., **Raut, D.**, Rao, T. S., & Rao, G. N. Nutrient Distribution And Trophic Status Assessment In A Tropical Embayment Under Anthropogenic Stress. *Eur. Chem. Bull.* **2023**, 12(6), 600-614
11. Nayak A, Equbal J, Rout SS, Dash B, Thiruchitrabalam G, Bhadury P, Satyanarayana B and **Raut D** (2022). Macrobenthic community of an anthropogenically influenced mangrove associated estuary on the East coast of India: An approach for ecological assessment. *Front. Mar. Sci.* 9:1008912.
12. Prusty, S., Rout, S. S., Dash, B., Rao, N. S., & **Raut, D.** (2022). New record of a sea slug, *Dendrodoris fumata* (Rüppell & Leuckart, 1830) (Nudibranchia: Dendrodorididae), from Odisha, east coast of India. *Journal of the Marine Biological Association of India*, 64(1), 66.
13. S Prusty, R Behera, A Mishra, P Priyadarshini, M K Dev Roy & **D Raut** First record of a menippid crab *Myomenippe hardwickii* (Gray, 1831) from Hukitola, Odisha coast, India *Indian Journal of Geo Marine Sciences* Vol. 51 (10), October **2022**, pp. 854-858
14. Mohanty, B., Jena, S. R., Nayak, J., Swain, A., Rout, S. S., Dash, B., & **Raut, D.** (2022). Determination of the proximate composition of most sought-after crab species from Devi estuary, Odisha, India. *Indian Journal of Geo-Marine Sciences (IJMS)*, 50(10), 838-841.
15. Dash, B., Rout, S. S., Lovaraju, A., Kumar, B. C., Bharati, A., Ganesh, T., ... & **Raut, D.** (2021). Macrobenthic community of a tropical bay system revisited: Historical changes in response to anthropogenic forcing. *Marine Pollution Bulletin*, 171, 112775.
16. Sonali Sanghamitra Rout, Bhagyashree Dash, Bharathi Adapa, N.V. Subba Rao, K. V. Surya Rao, Akkur Raman & **Dipti Raut.** (2021). First Report Of *Hastula anomala* (Gray, 1834) (Gastropoda: Terebridae) From Indian Waters. Vol.44, No.1 pp. 85-88. *Journal of Conchology*
17. SS Rout, B Dash, NVS Rao, KVS Rao, AV Raman, **D Raut.** (2021). First record of Veneridae clam *Protapes ziczac* (Linnaeus, 1758) from East coast of India, Andhra Pradesh Vol. 50 (03), pp. 250-252 *Indian Journal of GeoMarine Sciences*
18. Rout, S S; Dash, B; Rao, N V Subba; Rao, K V Surya; Raman, A; **Raut, D.** New records of Conidae (Mollusca, Gastropoda) from Andhra Pradesh, east coast of India. *Indian Journal of Geomarine*

19. Mohanty, B., Jena, S. R., Nayak, J., Swain, A., Rout, S. S., Dash, B., & **Raut, D. (2021)**. Determination of the proximate composition of most sought-after crab species from Devi estuary, Odisha, India. *Indian Journal of Geo-Marine Sciences (IJMS)*, 50(10), 838-841.
20. Bhagyashree Dash, Sonali Sanghamitra Rout, A. Bharati, N. V. Subba Rao, K. V. Surya Rao, Akkur V. Raman and **Dipti Raut. (2021)** (Mactrid (MOLLUSCA: BIVALVIA) *Macrinula dolabrata* (Reeve, 1854) in Indian waters: A first report. Vol. 62 (2). *Journal of the Marine Biological Association of India*
21. Bhagyashree Dash, Sonali Sanghamitra Rout, N. V. Subba Rao, K. V. Surya Rao, Akkur V. Raman and **Dipti Raut. (2021)** First report of *Lioconcha polita* (Röding, 1798) from East peninsular India, Andhra Pradesh. Vol. 50 (03), *Indian Journal of GeoMarine Sciences*
22. B Mohanty, **D Raut**, K Dev Roy, M, L Patnaik, S Rout, S, B Dash, Nayak A, S Behera, Brachyuran Crabs of Devi Estuary: Taxonomic Perspective. **Book**. Publishing House: Odisha Biodiversity Board. **2022**
23. S S Rout, B Dash, **D Raut**, D R K Sastry & A Raman. **(2020)**. New record of the echinoid *Clypeaster reticulatus* (Linnaeus, 1758) off Andhra Pradesh, east peninsular India *Indian Journal of Geo Marine Sciences*. Vol. 49 (12), pp. 1866-1868
24. Aswini Nayak, Malay Kanti Dev Roy, Biswaprajna Mohanty, Sonali Sanghamitra Rout, Bhagyashree Dash, Akkur V. Raman, Lipika Patnaik and **Dipti Raut**. On the Occurrence of an Euryplacid crab *Eucrate crenata* (De Haan, 1835), a first record from Odisha, India. *Indian Journal of Geomarine Sciences*. Vol. 49 (06), June **2020**
25. Mohanty, B., Nayak, A., Dash, B., Rout, S. S., Kumar, B. C., Patnaik, L., ... & **Raut, D. (2019)**. Biodiversity and ecological considerations of brachyuran crabs (Crustacea: Decapoda) from Devi estuary–mangrove region on the east coast of India. *Regional Studies in Marine Science*, 32, 100865.
26. Purushothaman J., **Raut D.**, and Pillai., H.U.K. **2019**. Zooplankton-Drifting micro-organisms. In: Faunal diversity of mangrove ecosystem in India: 517-538 (published by the Director, Zool.Surv. India, Kolkata)
27. Mohanty, B., **Raut, D.**, Roy, M. K. D., Raman, A. V., Patnaik, L., Nayak, A., ... & Rout, S. S. **(2019)**. First record of a Leucosid crab *Paranursia abbreviata* Bell, 1855 from Devi estuary, Odisha Coast, India. *Indian Journal of Geomarine Sciences*. Vol.48(01).
28. Rout, S. S., Dash, B., Bharathi, A., **Raut, D.**, Roy, M. D., Sastry, D. R. K., & Raman, A. **(2019)**. Notes on three species of leucosiid crabs of the genus *Arcania* (Crustacea: Brachyura: Leucosiidae) off east peninsular India. *Journal of the Marine Biological Association of India*, 61(1), 20.
29. Nayak, A., Kumar, B. C., Lovaraju, A., **Raut, D.**, Rout, S. S., Dash, B., ... & Raman, A. **(2018)**. Benthic infauna from mudflats of Atharbanki mangrove waterway in Odisha, India. *Journal of the Marine Biological Association of India*, 60(1), 34.
30. Mohanty, B., **Raut, D.**, Roy, M. K. D., Raman, A. V., Patnaik, L., Nayak, A., ... & Dash, B. **(2018)**. New host record of pea crab *Arcotheres purpureus* (Alcock, 1900) (Crustacea: Decapoda: Pinnotheridae) with first description of male. *Marine Biodiversity Records*, 11(1), 1-6.
31. Mahapatro, D., Panigrahy, R. C., Panda, S., Mishra, R. K., **Raut, D.**, & Karna, S. K. **(2018)**. First record of a flathead lobster from Chilika lagoon, Bay of Bengal. *Indian Journal of Geomarine Sciences*. 47(9) 1888-1892
32. Mohanty, B., **Raut, D.**, Roy, M. K. D., Raman, A. V., Patnaik, L., Nayak, A., ... & Rout, S. S. **(2016)**. Sighting the Spider Crab *Elamena xavieri* Kemp, 1917 (Crustacea: Decapoda: Hymenosomatidae) a Century after its first Report on the Indian Seacoast. *Journal of the Bombay Natural History Society (JBNHS)*, 113, 43-46.
33. Mohanty, B., **Dipti, R.**, Malay, K. D. R., Akkur, V. R., Patnaik, L., Nayak, A., ... & Dash, B. **(2016)**. First record of two goneplacid crabs off Devi estuary, Odisha coast, India (Crustacea: Decapoda: Goneplacidae). *Journal of the Marine Biological Association of India*, 58(1), 97-100.
34. **Dipti, R.**, Rao, P., & Raman, A. **(2013)**. Assessment Of Benthic Community Alterations In Relation To Pollution In A Boat Harbor In Visakhapatnam, East Coast Of India. *Ecscan*, 7(1&2), 51-56.
35. **Raut, D.**, Ganesh, T., Murty, N. V. S. S., & Raman, A. V. **(2005)**. Macrobenthos of Kakinada Bay in the

Godavari delta, East coast of India: comparing decadal changes. *Estuarine, Coastal and Shelf Science*, 62(4), 609-620.