

Laxman Kumar Murmu



Assistant professor (Stage-II), P. G. Department of Zoology,
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Education

2009	M.Sc. (Zoology) Utkal University, Bhubaneswar, Odisha
2010	M. Phil (Zoology) Utkal University, Bhubaneswar, Odisha
Ph. D:	Pursuing

Area of Specializations

Teaching: Biochemistry, Histology, Ecology, Biology of Invertebrate

Research interest: Biochemistry, Molecular Parasitology

Administrative responsibilities

1. Assistant Superintendent, Indrabati Hostel (25.11.2013 to 31.05.2015)
2. Assistant Superintendent, Bahuda Hostel, (01.6.2015 to 01.06.2017)
3. Deputy coordinator, Basic facility for women, XIIth Plan UGC grant (2012-2017)
4. Assistant Superintendent, Indrabati Hostel (01.06.2020 to till date)

Professional Experience

1. Junior Lecturer, Govt. Women's College, Keonjhar (24.09.2011 to 31.11.2012)
2. Assistant Professor (Stage-II): P.G. Department of Zoology, Berhampur University (1st December 2012 to till date)

Conferences/ Seminar attended

1. Murmu,L.K. "Gametocytogenesis: The Puberty of Malaria Parasite," presented a poster in National Seminar on "Current trend on animal science research " organized by P.G. Department of Zoology, North Orissa University University, 21-22 March 2014.
2. Murmu,L.K. Impact of Climate on capture fisheries in Odisha, presented paper in "National Seminar on "Adverse Impact of Global Climate Change and Irregular Monsoon , Agriculture, Aquaculture and Capture fishery in Coastal India and its Management", organized by AABAHANA in collaboration with Department of Zoology, Berhampur University,Odisha,26-27 March,2016.

3. Murmu,L.K. Conservation efforts for the sustainable utilization of marine fish germplasm resources, presented paper in National seminar on "Beach Erosion and Anthropogenic exploitation at coastal line of Odisha and its effect on Olive ridley sea Turtle, Irrawady Dolphin and Fish population and measures for conservation" Organized by AABAHANA Technical collaboration with Dept. of Zoology, Berhampur University, Bhanja Bihar, Ganjam March 29th -30th ,2018
4. Murmu,L.K. Algorithm of genotyping *Plasmodium falciparum* through Loop-mediated isothermal amplification-SNP platform presented paper in National Seminar on Advances and challenges in the Biological Sciences organized by Department of Zoology, Berhampur University,Odisha, February 12-13,2020
5. Murmu,L.K and Barik, T.K *Plasmodium falciparum*-K13 mutations and ART resistance marker in India, presented paper in Virtual National Seminars on “Life & Life Processes: Interdisciplinary Approach for Sustainable Development” organized by Department of zoology, Goa University, Goa July 19-21, 2021.
6. Murmu,L.K and Barik, T.K .Drug resistance status of *Plasmodium falciparum malaria* presented paper in Virtual National Seminars on “National Webinar on Recent Advances in Biological Research and Environmental Sustainability (RABRES 2020)” organized by Department of zoology, Kalyani University, West Bengal Aug 7-8, 2021.

Refreshers Courses/ Short-term Courses/Workshop attended:

1. Participated in workshop-cum-training programme on “Application of Bioinformatics tools in Biological Science teaching and Research”, organized by Bioinformatics Infrastructure Facility Centre, Berhampur University, Odisha (22- 24 March, 2013)
2. Attended,Orientation Course at Academic Staff College, Sambalpur University, (10.08.2013-06.09.2013)
3. Participated in national workshop on “Bioinformatics and Biodiversity Conservation”, organized by GanapatiSabat Foundation at Gopalpur-on-Sea. on1stFebruary 2014.
4. Participated in the UGC sponsored Short-Term course on “Use of SPSS on data analysis” at Academic Staff College, Sambalpur University.19-24 April 2014
5. Participated National Workshop on “Biotechnology for Economic Enhancement of Rural

Community in Southern Region of Odisha” organized by Post Graduate Department of Zoology, Berhampur University, Berhampur, Odisha Sponsored by DBT and in association with Socio Cultural Development Centre, 11th September, 2015

6. Participated National Workshop on “Workshop cum Training on Recent Development and future trends of Bioinformatics in Biological science” organized by Post Graduate Department of Zoology, Berhampur University, Berhampur, Odisha Sponsored by DBT, 26th -27th December, 2016.
7. Participated Five days training on “Molecular Biology, Next Generation Sequencing and Bioinformatics” at Yaazh Xenomics, 326, 1st Floor, Thadagam Road, Near GCT College, Coimbatore-641013, Tamil Nadu, India, 16th -20th October,2018.
8. Participated One day workshop on “Role of IPRs and Innovation Management in University Ecosystems” at Khalikote University, Berhampur Organized by National Research Development Corporation and Khalikote University, 30th October,2018.
9. Attended refresher course at UGC-Human Resource Development Centre, University of Hyderabad, Hyderabad, Telengana, (15.02.2019 to 07.03.2019)
10. Participated One day workshop on “Faunal diversity of Chilika Lagoon” Organized by EBRC, Zoological Survey of India, 26th July,2019.
11. Participated Five-days online-Faculty Development Programme on “Mathematics for Biological Sciences” Organized by Faculty Development Centre, UGC-MHRD, Savitribai Phule Pune University, Pune, 15th -20th June, 2020
12. Participated Seven-days virtual workshop on “Science Leadership” Organized by Indian Science Academies and Punjab Central University, 22nd -28th June, 2020.
13. Participated Seven-days online-Faculty Development Programme on “Earth & Environment Responses During COVID - 19” Organized by Faculty Development Centre, UGC-MHRD, Savitribai Phule Pune University, 11th -17th July, 2020.
14. Participated Seven days online-Faculty Development Programme on Research Methodology: Data Analysis, Reporting and Publication prospective Organized by Bharathiar School of Management and Entrepreneur Development (BSMED), Bharathiar University, Coimbatore, Tamilnadu 20th July to 26th July 2020
15. Attended and successfully completed SWAYAM ONLINE COURSE CERTIFICATION on

“Academic Writing” offered by HNB Garwal University, Garwal. 15 weeks course Jan-April 2020

16. Attended and successfully completed NPTEL Online Certification (Funded by Ministry of HRD, Govt. of India) 4-weeks course (Sept-Oct 2020) on “Functional genomics” offered by IIT-Kanpur
17. Participated Twenty-one days online-Faculty Development Programme on Adopting to “Online Teaching Learning Technologies” from 16th Nov-7th Dec 2020 Jointly organised by Dr BR Ambedkar University Delhi and Dr BR Ambedkar University Srikakulam
18. Participated in the online UGC STRIDE WORKSHOP on “Molecular Phylogeny and Molecular Docking” from 19th Jan to 27th Jan 2021 at Mizoram University, Aizawl

Publications:

1. **Murmu, L.K.**, Barik, T.K. An analysis of Plasmodium falciparum-K13 mutations in India. J Parasit Dis (2021). <https://doi.org/10.1007/s12639-021-01425-7>
2. Seth, J.K, Mohanty, S.R, Behera, A.K, **Murmu, L.K** and Mohapatra A. "First record of *Lobothorax typus* from Odisha coast, India, with molecular characterization and observation of its biphasic moulting." J Parasit Dis (2021): 1-7. <https://doi.org/10.1007/s12639-021-01405-x>
3. **Murmu, L.K.**, Sahu, A.A. & Barik, T.K. Diagnosing the drug resistance signature in *Plasmodium falciparum*: a review from contemporary methods to novel approaches. J Parasit Dis (2021). <https://doi.org/10.1007/s12639-020-01333-2>
4. Swarup Ranjan Mohanty, **Laxman Kumar Murmu**, Sanmitra Roy and Anil Mohapatra. 'First documentation of a Ophichthid eel, *Ophichthus cephalozona* Bleeker 1864 (Anguilliformes;Ophichthidae) from Odisha Coast". Rec. zool. Surv. India. (2021) 121(2):303-305. [10.26515/rzsi/v121/i2/2021/154861](https://doi.org/10.26515/rzsi/v121/i2/2021/154861)
5. Swarup Ranjan Mohanty, Anil Mohapatra and **Laxman Kumar Murmu**. Occurrence of rare small snake eel, *Allips concolor* McCosker,1972 (Anguilliformes:Ophichthidae) along Paradeep coast,Odisha, India. Rec.Zool. Surv.India. (2020) 120(3)

Awards:

- CSIR NET 2010.