

CURRICULUM VITAE



1. **Name:** **Dr.Kakoli Banerjee**

2. **Date of Birth:** **March 5, 1976**

3. **Google scholar ID:** 0h2_EJcAAAAJ
Citations: 3869; h-index: 32; i10 index: 56

Scopus ID: 55628572841
Citations: 796; h-index: 15

Research Gate ID: 637db951a4136a5b3795256f
Citations: 8,956; h-index: 37

ORCID ID: <https://orcid.org/0000-0002-5401-709X>

Web of Science ID: AAR-5312-2020

AD Scientific Index for World Scientist Ranking as per h-index & i-10 index of Google Scholar for last 3 consecutive years:

- (i) **Ranked 1st in University, 1502 in India, 7688 in Asia and 25,858 in world** in Agriculture and Forestry (2022)
- (ii) **Ranked 1st in University, 179 in India, 1029 in Asia and 3484 in world** in Fisheries (2022)
- (iii) **Ranked 1st in University, 1506 in India, 7799 in Asia and 26,118 in world** in Agriculture and Forestry (2023)
- (iv) **Ranked 1st in University, 179 in India, 1054 in Asia and 3570 in Fisheries** (2023)

- (v) **Ranked 1st in University, 231 in India, 1328 in Asia and 7155 in world** in Agriculture and Forestry (2024)
- (vi) **Ranked 1st in University, 18 in India, 164 in Asia and 949 in world** in Fisheries (2024)
- (vii) **Ranked 1st in University, 210 in India, 1183 in Asia and 6339 in world** in Agriculture and Forestry (2025)
- (viii) **Ranked 1st in University, 16 in India, 147 in Asia and 857 in world** in Fisheries (2025)

AD

Scientific Index

Rankings for Scientist

More Than a Ranking




World Scientist and University Rankings

2025

Central University of Orissa

AD Scientific Index ID: 293290

Kakoli Banerjee

	Scores	In Central University of Orissa (20)	In India (163,584)	In Asia (802,089)	World (2,583,907)
Rankings					
H-Index (Total)	32	#1 🏆	#4,821	#39,575	#223,697
H-Index (Last 6 years)	24	#1 🏆	#4,700	#41,025	#197,855
H-Index Last 6 years / Total Ratio	0.750				
i10 Index (Total)	56	#2	#7,356	#50,134	#252,576
i10 Index (Last 6 years)	48	#2	#5,333	#40,154	#186,791
i10 Index Last 6 years / Total Ratio	0.857				
Citation (Total)	3,837	#1 🏆	#5,584	#45,019	#270,260
Citation (Last 6 years)	2,008	#2	#5,907	#49,182	#246,352
Citation Last 6 years / Total Ratio	0.523				
Agriculture & Forestry *		#1 🏆 (2) *	#210 (4,638) *	#1,183 (20,851) *	#6,339 (58,921) *
Fisheries *		#1 🏆 (1) *	#16 (438) *	#147 (2,645) *	#857 (7,177) *

www.adscientificindex.com

Date : 23.03.2025

* Source and Methodology: <https://www.adscientificindex.com/scientist/kakoli-banerjee/293290>

Date : 23.03.2025 * Source and Methodology: <https://www.adscientificindex.com/scientist/kakoli-banerjee/293290>

4. **Present Designation:** **Assistant Professor & Head (I/c)**
 Department of Biodiversity and Conservation of Natural Resources, Central University of Odisha, Sunabeda, P.O. NAD, Koraput, Odisha – 763004
 &
Head (I/c), Department of Zoology, CUO
 Central University of Odisha, Sunabeda, P.O. NAD, Koraput, Odisha – 763004
5. **Permanent Address:** Subhashish Apartment
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 P.O. – Garia, Kolkata – 700 084
 West Bengal, India
 Whats app & Call: 9439185655
 Email: banerjee.kakoli@yahoo.com
 kbanerjee@cuo.ac.in
6. **Nationality:** Indian

7. **Area of Specialization:** Biodiversity Conservation with special reference to Marine and Coastal Biodiversity, Marine Ecology, Aquaculture, Climate Change, Carbon Sequestration, Coastal Pollution, Coastal Zone Management; Forest Ecology & RS-GIS

8. **Key Qualifications:** M.Sc. Marine Science, University of Calcutta;
Ph.D. (Science), Jadavpur University

9. **No. of M.Sc. Dissertations awarded under my guidance:** (64)

10. **No. of M.Phil. Dissertations awarded under my guidance:** (15)

Calcutta University: 3; Vinayaka Mission University: 2;
Central University of Odisha: 10

11. **No. of Ph.D. thesis awarded under my guidance:** (04)
(vide **Annexure III** for details)

12. **No. of Ph.D. students registered under my guidance:** (03)

13. **No. of Projects completed:** (08)

14. **No. of Consultancies completed:** (08)
(02 independent and other 06 under Calcutta University Industry Institute Partnership Programme)

15. **Publications:** **228** (vide **Annexure I and II** for details)

UGC-CARE/ SCI/ SCIE/ Scopus/ WOS Journals: 45
Only SCOPUS Journals: 07
UGC-CARE/WOS Journals: 03
Only UGC-CARE Journals: 06
Peer reviewed Journals: 65
Chapters in books (National& International): 31
Proceedings: 30
Newsletters: 22
Books: 19

Remark:

One of my Ph.D. students, Mr. Rakesh Paul has received **the DST-Inspire Fellowship from Govt. of India in 2015. Two Ph.D. scholars**, Mr. Gobinda Bal and Mr. Gopal Raj Khemundu have received **the Rajiv Gandhi National Fellowship of Govt. of India for pursuing Ph.D. programme** at our department under my supervision. Other 4 continuing scholars are all under **UGC Non-NET Fellowship**.

16. **Job experience:**

- (a) Served as **S. D. Marine Biological Research Institute, SagarIsland (Sundarbans)** to evaluate the adverse impact of industrialization and urbanization on pelagic diversity of Sundarban Mangrove ecosystem and adjacent Bay of Bengal water (2000-2001).
- (b) Conducted a monitoring programme on bioaccumulation of heavy metals by mangrove plants under the financial assistance of **Department of Environment, Govt. of West Bengal** (2001-2003). This project was served in the capacity of **Junior Research Fellow** in the **Department of Marine Science, University of Calcutta and Indian Association for the Cultivation of Science, Jadavpur (a DST Institute) at Kolkata**.
- (c) Served as the **Project Officer** in the Marine Fisheries Certification Project in **WWF-India Secretariat, New Delhi under Marine Stewardship Council, UK** during 2003-04. In this capacity, biodiversity in the coastal zone of West Bengal was monitored and suggestive measures were formulated to prevent the fish juvenile loss due to wild harvest of prawn seeds.
- (d) Served as **Project Coordinator, Sunderbans Landscape Project funded by WWF-The Netherlands, under WWF-India Secretariat, New Delhi** from 2004 till March 2007 for conservation of Royal Bengal Tiger and generating alternative livelihood for the fringe population of Indian Sundarbans.
- (e) From August 2007 to July 2009, engaged as **Women Scientist, Department of Science and Technology under Ministry of Science and Technology, Govt. of India**, New Delhi. Based at Department of Marine Science, University of Calcutta.
- (f) From August 2009 till July, 2011, engaged as **Research Associate** in the **Ministry of Earth Sciences Project, Govt. of India**. Based at Department of Marine Science, University of Calcutta for estimating carbon in mangroves of Indian Sundarbans.
- (g) From August 2011 till December 2011, engaged as Research Associate-III in **Department of Science and Technology under Ministry of Science and Technology, Govt. of India**, New Delhi. Based at Department of Marine Science, University of Calcutta for developing carbon sequestration by phytoplankton community through iron fertilization.
- (h) From Jan 12.01.2012 till August 11.09.2013 served as **Asst. Professor and Head-in-Charge** in Centre for Biodiversity & Conservation of Natural Resources in Central University of Odisha, Koraput.
- (i) From Jan 2012 till date serving as **Asst. Professor in Department of Biodiversity & Conservation of Natural Resources under School of Biodiversity & Conservation of Natural Resources in Central University of Odisha, Koraput**.
- (j) Served as **Head-in-Charge** in **Department of Journalism and Mass Communication** in Central University of Odisha, Koraput from October 31.10.2022 till November 04.11.2022
- (k) Served as **Head-in-Charge** in **Department Forest Management** in Central University of Odisha, Koraput from September 12.09.2024 till November 11.11.2024.

- (l) Serving as **Head-in-Charge** in **Department of Biodiveristy and Conservation of Natural Resources** in Central University of Odisha, Koraput from 28.02.2025 till date.
- (m) Serving as **Head-in-Charge** in **Department of Zoology** in Central University of Odisha, Koraput from 28.02.2025 till date.

17. Research and Field Experience: 19+ years post-doctoral research experience (2004-2023)

- (a) 25 years experience in working in the mangrove ecosystem of Indian Sundarbans, West Bengal since 1998 and 12years experience in working in Bhitarkanika mangrove ecosystem, Bahuda and Mahanadi estuary, Odisha since 2012 to monitor the various floral and faunal components in terms of biodiversity and carbon capture.
- (b) 09 years experience in working in the hilly terrains of 13 districts of southern Odisha since 2015, to monitor the various floral components in terms of carbon capture and storage capacity.
- (c) 10 years experience in working in the Visakhapatnam coast of Andhra Pradesh since 2014, to monitor the various floral components particularly seaweeds in terms of biochemical constituents.
- (d) Experience in in-situ monitoring of pigments in macrophytes and microphytes of wetland ecosystem so as to monitor productivity of the aqueous phase in West Bengal, Odisha and Andhra Pradesh.
- (e) Experience in chemical and instrumental analysis of nutrients (through Spectrophotometer) and heavy metals (through Atomic Absorption Spectrophotometer) in sediment, water and biological samples.
- (f) Experience in analyzing biochemical composition of macroalgae, fish and shellfish particularly lipid, protein, carbohydrate and astaxanthin through standard chemical method.
- (g) Experience in analyzing carbon in plants (both above ground and below ground) in mangroves and also terrestrial trees both chemical method and CHN analyzer.

18. Teaching Experience: 7 years (2004-2011) part-time and 11+ years full-time at post graduate level (2012-till date)

- (a) Served as **Faculty Member** in a “Certificate Course on Wastewater Management” organized jointly by University of Calcutta (through CUIIPP) and **GOOD EARTH ENVIRO CARE, Kolkata** in 2004.
- (b) Served as a **Faculty Member** in “Certificate Course on Marine Biodiversity and Coastal Zone Management” at Digha in 2004 organised by **DighaScienceCentre** under the financial assistance of Ministry of Human Resource Development, Govt. of India. A manual was published as the outcome of the same.
- (c) Served as a **Guest Lecturer** in the **M. Phil Programme** in 2005-06, 2006-07, 2007-08, 2008-09 and 2009-10 on Marine Fisheries Resource Management organized by **Department of Zoology, University of Calcutta**, West Bengal, India. Three M.Phil. Dissertation has been submitted under my guidance.

- (d) Served as a **Guest Lecturer in the M. Sc. (Conservation Biology) Programme** from 2007-08, 2008-09 and 2009-10 in **Department of Zoology, Durgapur Govt. College, University of Burdwan**, West Bengal, India.
- (e) **Recognized as a Guide** for guiding research scholars in Environmental Science leading to **M.Phil. Degree in Vinayaka Missions University, Salem**, Tamil Nadu, India during 2008-09 and 2009-10. Two M.Phil. Dissertation has been submitted under my guidance.
- (f) Served as a **Guest Lecturer in the M. F. Sc.** during 2008-09 in West Bengal **University of Animal and Fishery Sciences, West Bengal**, India.
- (g) Served as a **Guest Lecturer in the M. Sc. Environment Management (Directorate of Distance Education) Programme** 2008-09 and 2009-10 in **Department of Zoology, Kalyani University**, West Bengal, India.
- (h) Served as a **Faculty Member** in “Certificate Course on Marine Bioresources and Sustainable Development” at Digha in 2010 organised by **Digha Science Centre** under the financial assistance of Ministry of Human Resource Development, Govt. of India.
- (i) From January 2012 till date serving as **Asst. Professor in School of Biodiversity & Conservation of Natural Resources in Central University of Odisha, Koraput**.
- (j) **Served as Guest Faculty of Environmental Science at Department of Mathematics and Computer Science at Central University of Odisha, Koraput** from 2013 till 2016.
- (k) Served as **Guest Faculty in Dept. of Marine Science, University of Calcutta** for taking 2 classes in Ph.D. Refresher Course for 2012-13 session.
- (l) Served as **Guest Faculty of Environmental Science at Department of Forest Management at Central University of Odisha, Koraput** from 1st August 2024 to 30th December 2024.
- (m) Served as **Guest Faculty of Information and Communication Technology at Department of Forest Management at Central University of Odisha, Koraput** from 1st August 2024 to 31st January 2025.
- (n) Served as **Guest Faculty of Environmental Science at Department of Agriculture at Central University of Odisha, Koraput** from 1st August 2024 to 31st January 2025.
- (o) Serving as **Guest Faculty of Environmental Science at Department of Mathematics at Central University of Odisha, Koraput** from 1st January May 30, 2025.

19. Extension/Administrative Services:

1. Represented as the “**Convenor**” in the **National Seminar on Biodiversity Census** organized by Science and Culture Organisation for Youth, Kolkata during 10th National Expo from 1st to 8th September, 2006.

2. Acted as a **Coordinator** for organizing scientific seminars on biodiversity, livelihood upgradation, perfect career at **National Expo XIII organized by Central Calcutta Science and Culture Organisation for Youth** with financial and technical assistance of 49 different Ministries of Govt. of India during 2nd to 6th September, 2009.
3. Participated and presented the project findings on mangrove carbon storage in Sundarbans in the **Management Board Meeting of Ocean & Atmospheric Science and Technology Cell (OASTC)**, supported by MOES, Govt. of India at **Berhampur University, Bhanja Bihar, Odisha** during February 8th and 9th, 2010.
4. Established the Department, setting up two laboratories being the **Founder Faculty of the Department of Biodiversity & Conservation of Natural Resources** at Central University of Odisha in 2012.
5. From **12.01.2012 till August 11.09.2013** served as **Asst. Professor and Head-in-Charge** in Centre for Biodiversity & Conservation of Natural Resources in Central University of Odisha, Koraput.
6. Served as **External Examiner in the Department of Microbiology, West Bengal State University, Barasat, North 24 Parganas** for taking practical examination in **Environmental Microbiology & Biochemistry** course in Master's Programme during 2010-2011. Conducted Field Programme for M.Sc. dissertation students at Sundarbans in August 2011.
7. **Reviewed 5 papers (1 in national and 4 in international journals)** namely "**Indian Journal of Geo-Marine Science**" and international journal of "**Biodiversity and Conservation**", "**Mesopotamian Journal of Marine Science**" and "**Journal of Environmental Management**" in the year 2010 and 2011.
8. **Served as Entrance Examination Coordinator for admission to UG and PG courses in Central University of Odisha in 2012.**
9. **Acted as the Observer for Kolkata Centre on behalf of Central University of Odisha for conducting Central University Common Entrance Test (CUCET) examinations for PG and Ph.D. programme in June and July, 2013.**
10. Invited as **Coordinator from Central University of Odisha, Koraput** in the **EUPHRATES Project, University of Santiago de Compostela, Spain meeting held in B.R. Ambedkar Marathwada University, Aurangabad** on 31st October to 2nd November, 2013.
11. Acted as a **Convener** for organizing **National Seminar on Climate Change and Biodiversity at Central University of Odisha** in financial assistance with **Ministry of Earth Sciences, Govt. of India** on 23rd and 24th November, 2013.
12. **Served as Entrance Examination Invigilator for admission to UG, PG, M.Phil. and Ph.D. courses in Central University of Odisha in 2014.**
13. Invited as **Coordinator from Central University of Odisha, Koraput** in the **EUPHRATES Project, University of Santiago de Compostela, Spain Review meeting held in B.R. Ambedkar Marathwada University, Aurangabad** on 29th and 30th October, 2014.

14. Deputed as **Representative as Member of Sexual Harassment Committee from Central University of Odisha, Koraput** for attending 2-day Residential **Training Programme on Sexual Harassment of Women at Work Place (Prevention, Prohibition and Redressal) Act 2013** on 16th and 17th May, 2014 organised by **Institute of Public Administration, Bengaluru** at Varca Le Palms Beach Resort, Fatrade, Salcete, Goa.
15. **Acted as the Observer for Koraput Govt. Womens College Centre on behalf of Central University of Odisha for conducting Central University Entrance Examinations for B.Ed. programme in July, 2015.**
16. Acted as **Reviewer in 2015 and 2022 for 4 and 2 International journals like Wetland Ecology & Management, STM Journals, Agricultural & Forest Meteorology and International Journal of Agricultural and Soil Science, PLOS Climate and Environment Monitoring and Assessment.**
17. **Invited as Editorial Board Member in 2015 in STM Journal like Journal of Energy, Environment and Carbon Credit, and International Journal of Aquaculture and Fishery Sciences.**
18. **Invited as Jury Board Member in Science Exhibition** in Sunabeda Public School, Koraput organized on 8th February, 2015 on the eve of their Annual Day Celebration.
19. **Acted as the Observer for Govt. Womens College Centre, Sunabeda on behalf of Central University of Odisha for conducting Central University Entrance Examinations for B.Ed. programme in May, 2016.**
20. **Acting as one of the Guest Editors in International Journal of Biodiversity Science, Ecosystem Services and Management in 2016.**
21. **Invited as a Judge at Flower show competition organized by State level Horticulture Division, Govt. of Odisha** on 16th Dec, 2017.
22. **Invited as a Judge at Flower show competition organized by State level Horticulture Division, Govt. of Odisha** on 4th Nov, 2018.
23. **Invited as a Judge at Flower show competition** organised by **State level Horticulture Division**, Govt. of Odisha on 10th Nov, 2019.
24. **Convenor of Food Festival Sub Committee** under **Ek Bharat Shresth Bharat Programme** for 2019-20.
25. **Editorial Board Member** for Acta Scientifica Journal and Journal of Energy, Environment and Carbon Credits (STM journals) during 2019-20.
26. Attended **12th PAMC Meeting of MoES, GoI at INCOIS, Hyderabad** as **Principal Investigator** during Jan 29-30, 2020 for presenting MoES, Govt. of India Project.
27. Organised a webinar on **'Gender Discrimination at Workplace: Vigilance and Initiatives'** on 12th January, 2021 on behalf of Central University of Odisha.
28. Organised a webinar on **'Women in Leadership: Achieving an Equal Future in a Covid-19 World'** on the occasion on **celebration of International Women's Day** on 8th March, 2021 on behalf of Central University of Odisha.

29. Organised a **3-day online Training programme on Disaster Risk Vulnerability Assessment and Management** as **Coordinator** from Central University of Odisha in collaboration with National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India from 22nd to 24th September, 2021. The programme was moderated by me on behalf of University.
30. Organised a webinar on '**Covid 19 and Various Nutritional Requirements**' and outreach programme in University adopted villages of Koraput as **Coordinator** on the occasion on **celebration of POSHAN Month** from 7th Sept to 30th Sept, 2021 on behalf of Central University of Odisha sponsored by National Commission for Women, Govt. of India on 27th Sept, 2021.
31. Organised a webinar on '**Unequal Pay and Discrimination at Workplace**' and outreach programme in Astha Orphanage, Kechala village of Koraput as **Coordinator** on behalf of Central University of Odisha sponsored by National Commission for Women, Govt. of India on 30th Dec, 2021.
32. Organised a webinar on '**Commemoration of 8th Anniversary of Sexual Harrassment Act 2013**' as **Coordinator** on behalf of Central University of Odisha directed by National Commission for Women, Govt. of India on 9th Dec, 2021.
33. **Served as Co-ordinator for Video Making Committee in Ek Bharat Shreshtha Bharat programme** under Azadi ka Amrit Mahotsav jointly organized by Central University of Odisha, Koraput and Mahatma Gandhi Antarrshtriya Hindi Viswavidyalaya, Wardha during 24th February 2022-15th March 2022 in blended mode.
34. **Invited as External Examiner/Evaluator** for the end-term examination of 3rd semester, **Department of Geoinformatics, Central University of Jharkhand**, during 31st January to 3rd February 2024.
35. **Editorial Board Member** for Journal of Forest Science during 2024.

20. Consultancy Services:

- (a) Served as ecologist for setting up fish landing stations in coastal West Bengal and Odisha under **Creative Research Group (CRG)**, Kolkata during 2002-2003.
- (b) Served as consultant in the capacity of Associate Scientist to **Tata Steel Mines** for working in the area of man-animal conflict and biodiversity in and around Sukinda Chromite Mines, Odisha during 2005-2006.
- (c) Served as consultant in the capacity of Associate Scientist to **Tata Steel Rural Development Scheme (TSRDS)** for livelihood upgradation programme in the tribal belt of Sukinda Chromite Mines, Odisha during 2006-2007.
- (d) Served as Associate Scientist to Sukinda Chromite Mines (under **Tata Steel**) for monitoring the soil quality, flora and fauna in and around the mining zone during 2010.
- (e) **Served as Associate Scientist to Sukinda Chromite Mines, Joda, Noamundi and West Bokaro Mines (under Tata Steel)** for monitoring the carbon content in their plantation sites during 2010.

- (f) Participated in several **consultancy jobs** to monitor the water quality of urban lakes, ponds and coastal zone **through Calcutta University Industry Institute Partnership Programme (CUIIPP)**. Apart from monitoring the biological and chemical parameters of the wetland ecosystem, remedial measures were suggested to upgrade the health of the aquatic ecosystem.
- (g) Participated in livelihood upgradation programmes in Indian Sundarbans as Fisheries Expert to **Forest Department, Govt. of West Bengal, Kolkata in 2011**.
- (h) Extended consultancy services to **Centre for Science and Environment New Delhi 2012** on livelihood adaptation in Sundarbans in resilience to climate change.
- (i) Extended consultancy services to **Centre for Youth and Social Development, Koraput 2023** on Livelihood development strategies for Koraput district, Odisha.

21. Academic qualification:

- (a) **Ph.D.** in coastal biodiversity from Jadavpur University in 2004. Topic: “**Study on the Ecology and distribution of phytoplankton in and around the coastal zone of West Bengal, India**”. (Registration date: 26.06.2002; Date of submission: 30.12.2003; Date of award: 13.11.2004)
- (b) Secured **1st class** (70.6 %) in M.Sc. (Marine Science) examination in July 2000 from the University of Calcutta and ranked **2nd position** in order of merit.
- (c) Secured **1st class** with distinction (77.1% in aggregate) and 68.5% in Hons. Botany (with Chemistry and Zoology as Pass subjects and English, Polymer Science, Environmental Science and M.I.L. as Compulsory subjects) in April, 1998 from Sambalpur University, Odisha.
- (d) Secured **1st class** (66.2%) in Council of Higher Secondary examination, Bhubaneswar, Odisha (in science stream) in June 1995.
- (e) Secured **1st class** (73.4%) in Indian Certificate of Secondary Examination, New Delhi in March, 1993).

22. Seminars, Symposium, Workshop and Training courses attended:

1. Participated & presented paper in the **New Millennium Conference, Retrospect of Indian Research on Environmental Pollution: Focus 21st Century** organised by EMTRC, New Delhi, November, 1999.
2. Participated and presented paper entitled “Microbial diversity in Indian Sundarbans” in the **National Symposium on Microbes in Bioremediation for Eco-friendly Environment in the New Millennium**, held at University of Madras, Chennai on 6th and 7th January, 2000.
3. Participated and presented a paper entitled “**Bioremediation of Aquacultural Waste**” at **Zoological Society**, Calcutta on 14th September, 2000.
4. Participated and presented a paper on “Inter-relationship between phytoplankton richness and water quality” in the **National Seminar on the Application of Biotechnology in the Marine and Estuarine Environment**, organized by **Central**

Calcutta Science and Culture Organisation held during 18th and 19th November, 2000. Calcutta.

5. Participated and presented 2 papers in the **National Seminar on Protection of the Environment – An Urgent Need organized by IPHE**, Calcutta, 2000.
6. Participated in the **meeting of Academicians and Scientists on the issue of Global Ocean and Climate** (Chaired by Prof. Avijit Gangopadhyay, Department of Physics, University of Massachusetts, Dartmouth, USA) on 22nd December, 2000.
7. Delivered a lecture on “Popularization of Science” in the “**Seminar on Environmental Science**” in Science and Culture Expo – 2001, organized by Central Calcutta Science and Culture Organisation for youth, held at Calcutta, during 5th –12th September, 2001.
8. Completed a training course on the **Application of Remote Sensing in Environmental Science** during 16th-22nd January, 2001 from the Jadavpur University.
9. Participated in the **Workshop on Mangrove and Biodiversity Conservation in Deltaic Sundarbans** organised by the World Wide Fund for Nature – India (WBSO) & S. D. Marine Biological Research Institute, at Sagar Island, during 23rd to 24th November, 2001.
10. Participated and presented a paper in the **National Seminar on Pollution in Bay of Bengal**, organized by the Society for Indian Ocean Studies, Kolkata Chapter, during 29th March, 2002.
11. Delivered lecture on “Science in everyday life” the Seminar on “**Popularization of Science**”, organised by Science and Culture Organisation at Durgapur, West Bengal on 26th December, 2002.
12. Participated and presented a paper in the **Seminar on Issues in Marine Biodiversity in South, South East Asia – Utilization & Conservation**, organised by the Society for Indian Ocean Studies, Kolkata Chapter, during 7th & 8th March, 2003. Topic: Marine biodiversity of Indian Sundarbans.
13. Participated and presented a paper on “Bioremediation by mangroves of Indian Sundarbans” in the **National Conference on Theoretical Physics**, organized by Indian Association for the Cultivation of Science, Kolkata during January 21st – 24th, 2003.
14. Participated and presented a paper on: “Ecological studies of phytoplankton: a case study of *Coscinodiscus* sp.” In the **National Symposium on Assessment and Management of Bioresources**, organised by the Department of Zoology, University of North Bengal in association with the Zoological Society, Calcutta, during 28th – 30th May, 2003.
15. Completed a training course on **Identification of flora and fauna in mangrove ecosystems**, from CAS in Marine Biology, Annamalai University, Parangipettai, sponsored by Ministry of Environment and Forests, Government of India during 15th-24th April, 2003.
16. Presented paper on “Phytoplankton diversity of coastal West Bengal” in **National Seminar on Marine and Estuarine Biodiversity** jointly organized by Central Calcutta Science and Culture Organisation for Youth, Kolkata in cooperation with Dept. of Ocean Development, Govt. of India on 26th February, 2006.

17. Imparted training on "Technology sharing on ecofriendly prawn culture" in **Livelihood upgradation of fringe population of Sundarbans forest** organized by Directorate of Forest, Govt. of West Bengal Govt. of India on 21st November, 2006.
18. Participated and presented papers in **National Seminar on Dimensions in Zoological Research in Human Welfare** organized by The Zoological Society, Kolkata and Department of Zoology, University of Calcutta in collaboration with Zoological Survey of India, Ministry of Environment & Forests, Govt. of India during March 23-25, 2007.
19. Participated and presented papers on "Ecofriendly Prawn culture" in **Mines Environment and Mineral Conservation Week, 2007-08** organized by Indian Bureau of Mines, Bhubaneswar Region by Tata Steel Sukinda Chromite Mines on 31st August, 2007.
20. Participated and presented papers on "Biodiversity of mangroves, its threat and conservation" in **International Conference on Biodiversity: Issues and Concerns** organized by Indian Statistical Institute, Kolkata from 21st to 23rd Nov, 2007.
21. Participated and presented papers on "Climate change impact on Indian Sundarbans" in **National Seminar on Environment and Development** organized by West Bengal Academy of Science and Technology, at Central Glass and Ceramic Research Institute, Kolkata from 22st to 23rd February, 2008.
22. Participated and presented papers on "Oscillation of pelagic primary producers in response to salinity fluctuation: A comparison between eastern and western Sundarbans" in **UGC-Sponsored National Seminar on Global Warming – a Threat to the World** organized by Muralidhar Girls' College, Kolkata held on March 25th, 2008.
23. Invited as **Guest Speaker** on "Horse-shoe crabs and its importance in pharmacy" in the **Tenyear celebration lecture series** organized by Department of Microbiology, Panskura Banamali College, Purba Medinipur, West Bengal, India during 28th November, 2008.
24. Participated and presented papers in **National Seminar on Climate Change: Challenges and Mitigation** organized by Central Calcutta Science and Culture Organisation for Youth in cooperation with Ministry of Earth Sciences and Ministry of Environment and Forests, Government of India and Department of Science and Technology and Department of Environment, Government of West Bengal at Science City, Kolkata from 27th to 28th February, 2009.
25. Participated and presented papers in **National Seminar on Climate Change and Carbon Credit** organized by Tata Steel at J. R. D. Tata Training Institute from 12th to 14th May, 2009.
26. Participated and presented papers in **All India National Seminar on Global Warming – Corporate Responsibility** organized by Chemical Engineering Division, West Bengal State Centre, The Institution of Engineers held on 10th to 11th November, 2009.
27. Participated and presented papers in **National Seminar on Fisheries Based Livelihoods in India – Present Status, Problems and Prospects** organized by The Livelihood School, Salt Lake, Kolkata from 28th to 29th November, 2009. Topic: Culture of *M. rosenbergii* for livelihood upgradation in Indian Sundarbans
28. Completed a training course on the **Workshop on Oceanographic Processes and its Modelling of Weather and Climate** during 5th-16th July, 2010 from the Department of Ocean Engineering and Naval Architecture & Centre for Oceans, Rivers, Atmosphere and Land Sciences at **Indian Institute of Technology, Kharagpur**.

29. Invited as **Invited Speaker** on “Marine and estuarine biodiversity” in the **16th National Science Camp**” organized by Digha Science Centre & National Science Camp at West Bengal during 12th– 14thMarch, 2010.
30. Invited as **Guest Speaker** on “Climate Change and Biodiversity” in the **UGC sponsored National Seminar on “Biodiversity Conservation Scenario in India”** organized by Department of Zoology, Bankura Christian College, West Bengal, India during 24th-25th September, 2010.
31. Invited as **Invited Speaker** on “Climate change and carbon sequestration” in the **National Integration and Youth Leadership and National Annual Training Camp**” organized by Central Calcutta Science and Culture Organization for Youth at Lucknow during 25th– 29th December, 2010.
32. Invited as **Invited Speaker** on “Estimation of biomass and carbon in mangroves” in the **Training-cum-Workshop on Fundamentals of Global Warming and Climate Change in Sundarban**” organized by Directorate of Forests, Govt. of West Bengal, India during 6th December, 2010.
33. Completed a training course on the **National Workshop on Regional Ocean Modeling and Prediction: A Challenge to the Scientists** during 7th-10th December, 2010 from the Centre for Oceans, Rivers, Atmosphere and Land Sciences (**CORAL**) at **Indian Institute of Technology, Kharagpur**.
34. Participated as **Keynote Speaker and Rapporteur** on “Pisciculture for societal development” in **National Seminar on Impact of emerging Areas of Science and Technology on the Development of Society** organized by Central Calcutta Science and Culture Organisation for Youth in collaboration with **University of Calcutta and in cooperation with Ministry of Science and Technology and Ministry of Earth Sciences, Government of India** at Science City, Kolkata from 5th to 6th February, 2011.
35. Participated as **Resource Person** as “**Tiger Conservation in India-Bangladesh border**” on **Training workshop on capacity building in conservation and management of transboundary protected areas of Sundarbans, India**” organized by SAARC Coastal Zone Management Centre, Male, Maldives on 23rd March, 2011.
36. Participated as **Resource Person** on “**New Horizon of Science**” for a **JB Centre of Excellence for Student-Scientists**” organized by Jagadis Bose National Science Talent Search, Kolkata on 21stOctober, 2011.
37. Participated as **Resource Person and Chairperson** as a “Resistance of mangroves against cyclones and storms” for a **UGC Sponsored National Seminar on “Climate Change and Its Impact on Common People**”organized by Acchuram Memorial College (NAAC Accredited) Jhalda, Purulia on 24th and 25th January, 2012.
38. Completed **UGC-Sponsored Orientation Programme from 10th September to 8th October from Jadavpur University in 2012**.
39. Invited as **Resource Person** in District Level Science Exhibition and delivered talk on “Utility of biotechnology in the modern age” on 13th December 2012, **organized by Govt. High School, Koraput**.

40. Served as **Guest Faculty for delivering lecture on “Biodiversity and Climate Change” at 81st and 82nd Orientation Programme** during on 22nd and 23rd April 2013 in **ASC, Central University of Hyderabad**.
41. Served as **Guest Faculty for delivering lecture on 84th Orientation Programme in the month of September, 2013 in ASC, Central University of Hyderabad**.
42. Participated in the **National Colloquium on Legal Education in Post-modern India** organized by Central University of Odisha on 27th April, 2013.
43. **Chairperson in a Technical Session** and delivered lecture on “Mangrove biomass and salinity: is the match made in heaven” **in the International Conference on Conserving Biodiversity for Sustainable Development” organized by NIT, Rourkela in collaboration with University of Peradeniya, Sri Lanka** on 16th to 18th August, 2013. Also presented a paper.
44. Attended a **one-week training programme on Geospatial Technologies** especially for women **organized by NRSC, Hyderabad, Dept. of Space, Govt. of India** from 23rd to 27th September, 2013.
45. **Invited as Guest of Honour and Speaker for District Level Women Convention** organized by Pragati, Koraput in association with District Administration on 27th and 28th February, 2014. Delivered lecture on “Women health and education” Received a Memento and Certificate in this occasion.
46. **Presented paper on “Fate of Indian Sundarbans in view of changing era of climate change” in the International Conference on “Recent Trends and Challenges in Science and Technology” organized by Padmashri Vikhe Patil College of Arts, Science and Commerce, Pravaranagar, Loni, Maharashtra in collaboration with European Universities** from 20th to 22nd August, 2014.
47. **Invited as Chairperson in the National Seminar on “Protecting Coastal Biodiversity: Mitigation Threats to the Sundarbans Ecosystem” organized by Centre for Ocean and Environmental Studies, New Delhi at Techno-India University, Salt Lake Kolkata** during 26th and 27th December, 2014. Delivered lecture on “Mangrove conservation initiatives in Sundarbans”
48. **Invited as Guest of Honour and Speaker for District Level Women Convention** on the topic “Women in Agriculture” organized by Pragati, Koraput in association with District Administration on 17th and 18th March, 2015. Received a Memento and Certificate in this occasion.
49. Served as **Joint Convener and Resource person** in “**Seminar on Biodiversity & Conservation Initiatives in Koraput Region, Odisha**” organized by **School of Biodiversity and Conservation of Natural Resources, Central University of Odisha, Koraput in collaboration with Foundation for Ecological Security, Anand, Gujarat** on 28th and 29th March, 2015. Presented paper on “Carbon sequestration perspectives in forests of Koraput district of India”.
50. Completed a **21-day Summer School on Geospatial Technology, sponsored by Natural Resources Data Management System, Department of Science & Technology, Ministry of Science & Technology, Govt. of India, New Delhi** and Organised by Geoinformatics and Building Technology Research Centre, Department of Civil Engineering, Chitkara University, Himachal Pradesh **from July 21st to Aug 10th, 2015**.

51. Presented paper on “Monitoring the mangrove forest cover change and floristic composition in Bhitarkanika National Park” in a ***National Conference on Recent Advancements in Civil and Environmental Engineering (RACEE)***, organized by BRCM College of Engineering and Technology, Bahal, Bhiwani, Haryana, on 28th -29th November, 2015.
52. Presented paper on “Carbon storage potential in dominant trees of Koraput district of Odisha” in an ***International Conference on Water, Environment, Energy and Society (ICWEES)***, organized by AISECT University, Bhopal in collaboration with Texas A&M University, USA on March 15th -18th 2016.
53. Attended a two-day **Hands on training programme/Workshop on IGBP-NCP-VCP Phase II study** organized by NRSC, Hyderabad, Dept. of Space, Govt. of India from 15th to 16th September, 2016.
54. **Invited as Resource Person** and delivered lecture on “Weather parameters and their impact on agriculture production” in **Training Programme in Diploma in Agriculture Extension Services for Input Dealers (DAESI)** at Jepore, Odisha, India on 21st August, 2016.
55. **Invited as a Judge** at **Science Model Camp** organized by **Delhi Public School, Damanjodi, Koraput** on 19th October, 2016. Delivered lecture on “Climate change impacts on human health”.
56. **Invited as Resource Person** at **Royalaseema University, Kurnool, Andhra Pradesh, India** on 17th September, 2016 and delivered lecture on “Climate Change Effect on Forest Diversity”.
57. Invited as **Coordinator** from **Central University of Odisha, Koraput** in the **EUPHRATES Project, University of Santiago de Compostela, Spain Concluding Meeting held in BITS Pilani, Goa Campus, Goa** from 4th to 6th July, 2017.
58. Presented paper on “Carbon storage potential of mangrove ecosystem: A case study from Indian Sundarbans” as **Invited Speaker** in **National Conference on Waste to Energy, Carbon capture and Storage (NCWEES-2017)** organized by NIT, Rourkela on 3rd to 5th August, 2017.
59. **Invited as a Judge** at **Preliminary Science Model exhibition on 14th September, 2017** organized by **Delhi Public School, Damanjodi, Koraput**. Delivered lecture on “Advancement of Science in 21st Century”.
60. Invited as **Invited Speaker** in the “**National Integration and Youth Leadership Camp**” organized by Central Calcutta Science and Culture Organization for Youth at Guwahati, Assam during 24th –31st December, 2017. She delivered a lecture on “Today’s Climate is Tomorrow’s Challenge”.
61. **Invited as Resource Person** at **Diploma in Agriculture Extension for Input Dealers, 2016 (DAESI)** at **Jeypore** organized by **Office of the Deputy Director of Agriculture, Govt. of Odisha** and delivered lecture on “Weather parameters and their impact on agricultural production” on 26th Nov, 2017.
62. **Invited as Resource Person** at **World Soil Day at Jeypore** organized by **Office of the Deputy Director of Agriculture, Govt. of Odisha** on 5th Dec, 2017. Topic: Importance of soil health

63. **Invited as Resource Person** in **Electric Career Counselling in Agriculture for +2 students** organized by Social Educational Environmental Welfare Association (SEEWA), Jeypore at Vikram Dev Autonomous College, Jeypore on 4th Nov, 2018. She delivered a lecture on “Scope of Agriculture Graduates in Restoring Biodiversity of the Nation”.
64. **Invited as Resource Person** at **World Soil Day at Jeypore** organized by **Office of the Deputy Director of Agriculture, Govt. of Odisha** on 5th Dec, 2018. Importance of soil in sustaining Biodiversity
65. Invited as **Invited Speaker** on topic “Biomass estimation in tropical deciduous forests of Odisha” in the “**International Workshop on Biodiversity & Climate Change**” organized by Indian Institute of Technology, Kharagpur, West Bengal during 24th- 27th February, 2018.
66. Completed a UGC sponsored **14-day Refresher Course on Environment and Disaster Management** at Himachal Pradesh University, Shimla **from November 26th to Dec 15th, 2018**.
67. Completed a UGC sponsored **14-day Refresher Course on Environmental Science** at Pondicherry University, Puducherry **from August 21st to Sept 3rd, 2019**.
68. Invited for **External Resource Faculty** in **Training Programmes under Model Training Courses (MTCs) on “Organic Farming for Soil Health Management** during October, 14-21, 2019 at ICAR-IISWC, Research Centre, Sunabeda, Koraput, Odisha. Her topic of presentation is “Biodiversity & Soil Health”.
69. Invited as **Resource Person** for **Second Career Counselling Meeting** for graduate students organized by Career Counselling Cell, Govt. College, Koraput on 28th February, 2020. She delivered a lecture on “Career Counselling in Basic and Applied Sciences”.
70. Completed a **Certificate Course Online** in “**Species Distribution Modelling**” from Institute for Biodiversity Conservation and Training, Bangalore on 9th February 2020.
71. Participated in **poster presentation** on “Bioaccumulation of heavy metals in dominant edible fish species of River Kolab in Koraput district of Odisha” in **3rd International Symposium on Genomics in Aquaculture (ISGA- III)** from 21st-23rd Jan, 2020, conducted by CIFA-ICAR Bhubaneswar.
72. **Invited Speaker on the topic** “Blue carbon sink of western Bay of Bengal: A model view approach” and **Chairperson** in **International Conference on Bioprocess for Sustainable Environment and Energy (ICBSEE)** organized by National Institute of Technology, Rourkela, Odisha during March 5th – 7th, 2020.
73. **Resource Person on the topic** “Covid-19 Lockdown and Environment in coastal areas” in **International Webinar on Covid-19 Lockdown and Environment around us** organized by Calma Expeditions Inc., USA in collaboration with Centre for Regulatory Studies, Governance and Public Policy (CRSGPP) and The West Bengal National University of Juridical Sciences (WBNUJS) held on 7th May, 2020.

74. Attended 8 days **National Level Online Workshop** on “E-Content Development (educational Audio-Video Production)” from 10th to 17th May, 2020 organised by Maharshi Dayanand College of Arts, Science and Commerce, Mumbai under University of Mumbai.
75. Attended **5 days Online Workshop** on “Statistical Analysis using R-Programming Language” from 11th to 15th May, 2020 organised by Institute for Statistics and Analytical Research, Chennai.
76. Attended **6 days Online Faculty Development Programme** on “Environmental Impacts of Covid-19 Pandemic: Challenges and Future Research” from 27th May to 1st June, 2020 organised by University School of Environment Management, Guru Gobind Singh Indraprastha University.
77. Attended **4 days Online Workshop** on “Statistical Data Analysis and Interpretation using SPSS” from 11th to 14th June, 2020 organised by Institute for Statistics and Analytical Research, Chennai.
78. **Coordinator of a National Webinar on Women in Higher Education: Challenges and Opportunities** organized by Mahatma Gandhi Central University & Central University of Odisha held on 17th June, 2020. Spoke on the topic “Women in Higher Education: Challenges and Opportunities”.
79. **Guest Speaker of an International E-Conference on Sustainable Development: A Biological and Socio-economical Perspective** organized by Government Vidarbha Institute of Science & Humanities, Amravati, Maharashtra, India held on 26th and 27th June, 2020. She spoke on the topic “Assessing Livelihood Resilience to Climate Change: A case study from Odisha”.
80. **Resource Person** in a “**International Webinar on Impact of Education, Traditional Arts, Yoga and Nature on Mental Health and Awareness**” organized by Calma Expeditions Inc., USA held on 17th July, 2020. The topic of discussion was “Educational Status and Mental Health during Covid-19”.
81. **Guest Speaker** on the topic: **Effect of Shoreline Changes and Climatic Variables on Turtle Nesting along the Coast of Odisha, India** in “**National Capacity Building Workshop on Marine Biodiversity and its Conservation**” organized by Dr. Ambedkar College of Arts (Autonomous), Chennai, Tamil Nadu held on 29th to 31st July, 2020
82. **Resource Person** on the topic: **Collection and Analysis of Data, Sampling. Plagiarism etc.** on 27th August, 2020 in “**Research Methodology Workshop**” organized by Mahatma Gandhi Central University held from 24th to 28th August, 2020.
83. **Keynote Speaker** on the topic: **Blue carbon domain: a potential regulator of climate change** in “**International Webinar on Blue Carbon**” organized by Utkal University held on 4th & 5th September, 2020.
84. **Resource person** on the topic: **Invasive Species: A natural disaster to Biodiversity** in “**Short term Course on Disaster Management**” on 8th September, 2020 at HRDC, Central University of Hyderabad held from 7th to 12th September, 2020.

85. **Resource person** in “**Faculty Induction Programme**” organized by Himachal Pradesh University held from 18.11.20 to 17.12.20. Delivered a lecture on the topic: **Climate Change and Blue Carbon** on 30th November, 2020.
86. **Resource person** in “**Faculty Induction Programme**” organized by University of Hyderabad held from 30.11.20 to 29.12.20. Delivered a lecture on the topic: **Blue Carbon initiatives in a changing era of climate** held on 22nd December, 2020.
87. **Resource person** in “**Training on Human Resource Development Programme for Koraput Forest Division Officials**” organized by Council of Analytical Tribal Studies (COATS) held from 22-24 February, 2021. Delivered a lecture on the topic: **Biodiversity in Koraput Region** on 22nd February, 2021.
88. **Resource person** in “**Faculty Induction Programme**” organized by University of Hyderabad held from 22.02.21 to 23.03.21. Delivered a lecture on the topic: **Blue Carbon initiatives in a changing era of climate** held on 15th March, 2021.
89. Participated in Virtual Faculty Development Programme on “**Design and Development of MOOCs through SWAYAM**” organised by Navjivan Centre for Development, Gujarat, India held on 23rd March, 2021.
90. Completed a **2-week Online Faculty Development Programme** on “**Development of Course for SWAYAM (MOOCs)**” organised by Netaji Subhas Open University in collaboration with Commonwealth Educational Media Centre for Asia from 19th May to 2nd June, 2021.
91. Participated in a pledge taking ceremony on Yoga Day with theme **‘Integrate and Encourage Yoga for Life’ on the occasion of 7th International Day of Yoga** on June 21, 2021.
92. Delivered an **Invited Lecture** on ‘Carbon storage potential of mangroves and its associate species: a case study from Odisha coast’ in an **International Webinar in Connection with Decade on Ecosystem Restoration and International Plastic Free Bag Day 2021** organised by Christ College, Kerala on 25/6/2021.
93. Invited as **Resource Person** in an Online One Day National Webinar on ‘**Climate Change and its effect on Marine Ecosystem**’ organized by Science Association, Dept. of Chemistry and Zoology of Padmashri Vikhe Patil College, Pravaranagar on 5/7/2021.
94. Delivered an **Invited Lecture** on “Blue Carbon Initiatives in Mitigating Carbon Dioxide Levels” in a **National Webinar on Global Climate Change – our Response and Initiatives** organized by PG & Research Dept. of Zoology, Pachaiyappa’s College, Chennai on 9th July, 2021.
95. Delivered an **Invited Lecture** on “Scope and Potential of Coastal Blue Carbon” in a **Marine Biology Research Symposium – MBRS 2021** organised by Centre for Climate Change Studies, Sathyabama Institute of Science & Technology, Chennai in association with ICAR-National Bureau of Fish Genetic Resources, Lucknow from 26th Jul to 30th Jul, 2021.
96. Delivered an **Invited Lecture** on “Ecological Restoration (Sustaining livelihoods) of Nagasaki after The Atomic Bombardment” on 9th August, 2021 in the **National Level**

- Webinar on the occasion of NAGASAKI DAY (9th August)** as a part of 75th Independence Day observation organised by VS Vidyalyaya, Sunabeda, Koraput in collaboration with 1(o) INFINDEP COY, Jeypore.
97. **Resource person** in “**Faculty Induction Programme**” organized by University of Hyderabad held from 01.09.21 to 30.09.21. Delivered a lecture on the topic: **Blue Carbon initiatives in a changing era of climate** held on 8th September, 2021.
 98. **Resource person** in “**Short term Course on Disaster Management**” held at HRDC, Guru Ghasidas Vishwavidyalaya, Chattisgarh on the topics: **Invasive Species: A natural disaster to Biodiversity** and **Cyclone Hudhud in western Bay of Bengal** on 14th and 15th September, 2021.
 99. Completed an **online five-day FDP on “Waste to Bioenergy: A Sustainable Solution”** organized by Dept. of Biotechnology, NIT, Andhra Pradesh, Tadepalligudem from 13th to 17th September, 2021.
 100. Delivered an **Invited Lecture** on Assessing Grass Species for Preparing Formulated Feed for Culturing *Macrobrachium rosenbergii* in **2nd International Webinar on Aquaculture and Marine Biology** during September 21-22, 2021 organised by Conference Mind (USA/Europe/ Asia Pacific).
 101. Delivered an **Invited Lecture** on “Invasive Species: A natural disaster to Biodiversity” in a **3-day online Training programme on Disaster Risk Vulnerability Assessment and Management** organised by National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India in collaboration with Central University of Odisha from 22nd to 24th September, 2021. The programme was moderated by me on behalf of University.
 102. **Resource person** in “**Short term Course on Disaster Management**” held at HRDC, University of Hyderabad, on the topics: **Concept of Exotic and Invasive Species: A potential threat to Biodiversity** and **Cyclone Hudhud in western Bay of Bengal** on 18th November, 2021.
 103. **Resource person** in “**Faculty Induction Programme**” held at HRDC, University of Hyderabad, on the topics: **Blue carbon initiatives in changing era of climate** and **Climate Change and Forest diversity: a case study from Koraput, Odisha** on 18th December, 2021.
 104. Delivered an **Invited Lecture** on 8th Dec, 2021 in **3-Day Wetlands Knowledge Exchange Webinar** on “**Mangrove Research in Indian sub-continent: Recent Advances, Knowledge Gaps and Future Perspectives**” jointly organized by CIFOR-ICRAF, Bogor, Indonesia and Wildlife Institute of India, Dehradun, India from Dec 8 – 10, 2021.
 105. Served as **Resource Person in Refresher Course in Research Methodology** organized by Rani Durgawati Vishwavidyalaya, Bhopal, MP in collaboration with Mahatma Gandhi Central University, Motihari, Bihar on 13.01.2022. Spoke on the topic on “Methods of collecting data”.
 106. Delivered an **Invited Lecture** on 11th Feb, 2022 in **DST-PURSE II Sponsored National Workshop on IMPRINTS OF DISASTER IN FISHERIES AND ITS MANAGEMENT** organized by CAS in Marine Biology, Annamalai University. Delivered a lecture on

“Perspectives and challenges in marine fisheries with respect to climate change in North-east coast of India”.

107. Invited as **Chief-Speaker** at **Block-level Science, Mathematics and Environment exhibition** on 9th April 2022 **organised by Govt. Girl's High School, Koraput**. She spoke on the topic “Climate change and Biodiversity.”
108. Delivered an **Invited Speaker** on “Cyclones of Odisha” in a **3-day online Training programme on Disaster Risk Reduction and Resilience** as **Coordinator** from Central University of Gujarat in collaboration with National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India from 14th to 16th June, 2022.
109. Delivered an **Invited Speaker** and **Chair session** on “Value-added products from seaweeds” in the **3rd International Conference on Bioprocess for Sustainable Environment and Energy - 2022** organized by the National Institute of Technology Rourkela, India during June 20-24, 2022.
110. **Resource person** in “**Faculty Induction Programme**” held at HRDC, University of Hyderabad, on the topics: “Blue Carbon Initiatives in Present Decade” and “Perspectives and Challenges in Marine Fisheries with respect to climate change” on 16th and 28th June, 2022.
111. **Resource person** in “**Short term Course on Disaster Management**” held at HRDC, University of Hyderabad, on the topics: **Concept of Exotic and Invasive Species: A potential threat to Biodiversity** on 27th July, 2022.
112. **Resource person** in “**Induction programme**” held at HRDC, Himachal Pradesh University, on the topics: **Biological Disaster and its Management** on 19th October, 2022.
113. Delivered an **Invited Speaker** on “Mangrove ecosystem: a multivalued reservoir” on 14th Dec, 2022 in the **technical session on “Methodologies for study and analysis of Mangrove Ecosystem” of 21 days National Online Workshop Phase- I (Ecosystem)** organized by the Zoological Society, Kolkata during December 1st to 21st, 2022.
114. **Invited Speaker on the topic** “Antioxidants from wild edible fruits consumed by tribals of Koraput district of Odisha” and **Co-Chairperson** in **Conference on Environment and Tribes** organized by **Odisha Environment Congress, Bhubaneswar** during December 21st – 23rd, 2022.
115. **Invited Speaker on the topic** “Sacred groves of Koraput: A tribal culture of conserving the forest” in the **National Seminar on “Geographical Approaches for Sustainable Society and Environment”** organized by **GM University, Sambalpur, Odisha** during December 11, 2022.
116. **Keynote Speaker on the topic** “Methodology for Mangrove ecosystem study and analysis” on 6th December at the **National Online Workshop (Phase: I) on Ecosystem** organized by **Zoological Society, Kolkata-India** held from 1st to 19th December 2022.
117. **Chief Speaker** in **District Level Exhibition and Project Competition** organized by **District Education Office, Koraput** at Govt. High School, Koraput from 09.01.2023 to 10.01.2023.

118. Completed a 21 days DST Winter School on **“Geospatial Technology in Science and Technology”** organized by Indian Statistical Institute, Kolkata 203, BT Road, Dunlop, Baranagar, Kolkata 700108 from 1st to 21st February, 2023.
119. Delivered **Plenary Lecture** on “Carbon Sequestration by Mangroves of Odisha” organized by the Global Warming Reduction Centre, Kolkata and MSCB University, Baripada (North Odisha University) at the **National Conference on “Global Warming and Climate Change: Impact and Resilience”** held during March 24th -25th, 2023.
120. **Keynote Speaker on the topic** “Spatial-temporal variation in marine fish landing with changing aquatic parameters” on 29th April at the **5th International Hybrid Conference on Aquaculture and Marine Biology** held during April 28-29, 2023.
121. Participated in the international webinar on **Ocean and Life: Tides are changing** organised by Estuarine and Coastal Studies Foundation, held on 8th June 2023.
122. Delivered **Invited Lecture** on “Blue Carbon sink- A case study from Odisha mangrove ecosystem” organized by the Gujarat Institute of Desert Ecology, Bhuj-Kachchh on the occasion of **World Mangrove Day 2023** held on 26th July 2023.
123. Invited as **Chief speaker** in **“Zonal level science drama competition 2023-24”** on the theme “Science and technology for benefit of mankind” organized by Govt. Girls High School, Koraput on 18th September 2023.
124. Delivered **Invited Lecture** on “Conserving marine and estuarine resources using Geospatial technique” organized by Midnapore City College, Paschim Medinipur, West Bengal at Two Days National Symposia on **“Application of Geospatial Science for Natural resources Management”** held on 5th-6th December 2023.
125. Invited as **Resource person** in the training programme on **“Sexual Harassment Act 2013”** and delivered lecture on the topic “Prevention of sexual harassment of women at workplace” organized by National Aluminium Company Ltd. (NALCO), Damanjodi, Koraput on 9th December 2023.
126. Delivered **Invited Lecture** on “Assessment of blue carbon stock in Bhitarkanika Wildlife Sanctuary in western Bay of Bengal” organized by Berhampur University in collaboration with Odisha Environment Society at 24th Odisha Bigyan o Paribesh Congress on **“Environmental Challenges: Role of Science and Technology”** held on 18th -19th December 2023.
127. Delivered **Invited Lecture** on “Carbon capture and storage by mangroves: A case study from Bhitarkanika Wildlife sanctuary, Odisha, India” organized by National Institute of Technology, Rourkela, Odisha at National Conference on **“Waste to Energy, Carbon capture, Utilization and Storage”** held on 22nd-24th December 2023.
128. Invited as Resource Person on “Coastal Biodiversity” organized by Malaviya Mission Teacher Training Centre (MMTTC) (Formerly UGC-HRDC), Maulana Azad National Urdu University, Hyderabad in online Refresher Course.
129. Delivered **Invited Lecture** on “Assessment of blue carbon stock in Bhitarkanika wildlife sanctuary in western Bay of Bengal” organized by The International Institute of

Knowledge Management, Columbo, Sri Lanka at “**8th International Conference on climate change**” 8th-9th February 2024.

130. Participated and **Presented paper** on the topic “**Biodiversity and Conservation in NEP 2020**” in the National Seminar on “**National Education Policy 2020: Challenges and Opportunities**” organized by Department of Education in partnership with Bharatiya Shikshan Mandal held on 1st-2nd May 2024.
131. Delivered **Invited Lecture** on 27th June 2024 on “**Blending seaweeds into bakery products- a twist in conventional nutrition**” organized by The Guru Nanak Institute of Pharmaceutical Science and Technology, Panihati, Kolkata, at “FDP in “Recent advances in Pharmaceutical, Biotechnological and Allied sciences and their impact on education and industry”, scheduled from 25th June 2024 to 29th June 2024.
132. Attended National Workshop on “**Space Technology in Disaster Management**” organized by National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India, in collaboration with National Disaster Management Authority, Government of India, on 9th August 2024.
133. Participated in the **37th International Geological Congress 2024 (IGC-2024)** organised by the **International Union of Geological Sciences** at BEXCO, Busan, Republic of Korea from 25th-31st August 2024. She has presented on the research topic “**Sediment characteristics and carbon stock in mangroves of Mahanadi delta in the western Bay of Bengal**”.
134. Participated and **delivered lecture** on the topic “**Marine phytoplankton as potential sink of carbon: A case study from Western Bay of Bengal, India**” in the “**International Conference on Green Transformation in the Climate Change Context**”, organised by the School of Interdisciplinary Sciences and Arts (SIS) at Vietnam National University, Hanoi, Vietnam on October 24-25, 2024.
135. Acted as a **Co-Convenor for “International Conference on Millets as Future Food for Sustainable Planet”**, organized by Central University of Odisha, Koraput, India from 10th to 12th Jan 2025.
136. Delivered Invited Lecture on “**Cyclones of Odisha with special reference to Hudhud**” at “Short term course on Disaster Management”, organized by The Guru Ghasidas University, Bilaspur, Chhatisgarh on 22nd February 2025.
137. Delivered Invited Lecture on “**Invasive species: a biological disaster**” at “Short term course on Disaster Management”, organized by The Guru Ghasidas University, Bilaspur, Chhatisgarh on 22nd February 2025.

23. Membership of Professional Bodies, Societies and Committees:

- **Life Member of Indian Association for the Cultivation of Science (IACS), Calcutta.**
- **Life Member** of Society of Indian Ocean Studies (SIOS), New Delhi.

- Annual Member of International Association for Water, Environment, Energy and Society (IAWEES) in 2020.
- **Scientist in S.D. Marine Biological Research Institute, SagarIsland (SDMBRI), Sundarbans.**
- **Secretary (Science)** in Central Calcutta Science & Culture Organization for Youth (CCSCOY), Calcutta.
- Member of WWF-India, New Delhi.
- **Member in WWF's Climate Witness Science Advisory Panel for Sundarbans by WWF-International.**
- **Executive Member** of **Dolphin Nature Conservation Society**, Visakhapatnam, Andhra Pradesh during 2017-18.
- **Member of 13th and 15th, 16th, 17th, 18th Academic Council in Central University of Odisha in 2013, 2016, 2017, 2018 and 2020 respectively.**
- **University Coordinator for MOOCs** at Central University of Odisha in 2020-21.
- Member of **Curriculum Development Committee, Departmental Research Committee and Board of Studies of Department of Biodiversity & Conservation of Natural Resources** from 2013-till date of Central University of Odisha, Koraput.
- **Member of IQAC and NAAC committee** of Central University of Odisha during 2015-18.
- Member of **Departmental Research Committee and Board of Studies of Department of Mathematics** from 2014-2017 of Central University of Odisha, Koraput.
- Member of **Departmental Research Committee of Department of Statistics** in 2021 of Central University of Odisha, Koraput.
- **Presiding Officer of Internal Complaints Committee** 2014-2016 and 2020-2023 of Central University of Odisha.
- Member in **Students Counsel Committee and Industry-Academia Interface Committee** of Central University of Odisha in 2014-15.
- Member of **Admission Committee** from 2012-2015 and 2019-21 of Central University of Odisha, Koraput.
- Member of **Newsletter & Annual Report Committee** from 2012-2015 and 2019-20 of Central University of Odisha.
- Member of **Sports Committee, Annual Report Committee, Medical Reimbursement Committee and Audit Committee** of the University in 2019-21.
- **Member of Examinations and Academic Calender** of Central University of Odisha in 2020-21.
- **Member of Prospectus Committee** of Central University of Odisha in 2021-22.

- **Chairperson for Committee on Development of MOOCs Studio** for e-learning from 23/6/21 till date.
- **Convenor of Cultural Committee** of the University since 14th Nov, 2022.
- Member of **Beautification Committee** of the University since 14th Nov, 2022.
- Nominated as Nodal Officer, **Disaster Management**, Central University of Odisha, Koraput on 29.11.2022.
- Nominated as **Environment Nodal Officer**, Central University of Odisha, Koraput on 14.08.2023.
- **Coordinator of Syllabus Committee and BoS for Department of Zoology** of Central University of Odisha in 2024.
- **Convenor for allotment of Departments for New Academic Building in 2025** at Central University of Odisha.
- **Member Secretary as Purchase Officer in 2025** at Central University of Odisha.
- **Nodal Officer, SWAYAM** at Central University of Odisha in 2025.
- **Nodal Officer, NIRF** at Central University of Odisha in February, 2025.

24. Languages:

	Speak	Read	Write
• English	excellent	excellent	excellent
• Hindi	excellent	excellent	excellent
• Bengali	excellent	excellent	good
• Odia	excellent	excellent	excellent

25. Awards and Honours received:

- Received certificate and Silver Medal for Mathematics in **National Talent Search Contest (NTSC)** by UGC in the year 1992.
- Received certificate and Silver Medal for Science in **National Talent Search Contest (NTSC)** by UGC in the year 1992.
- Received certificates in General Knowledge in **National Talent Search Contest (NTSC)** by UGC in the year 1991 and 1992.
- Received first prize in Science Exhibition by **Vigyan Parishad** of Sushilavati Government Women's College, Rourkela, Odisha in 1996.
- Received first prize in Science Exhibition by **Vigyan Parishad** of Sushilavati Government Women's College, Rourkela, Odisha in 1998.
- Received the "**Best Basic Research Award**" in the National Seminar on the Application of Biotechnology in the Marine and Estuarine Environment held during 18th to 19th November, 2000 organised by Science and Culture Organisation for Youth at Calcutta.

- Received cash award from the Society for Indian Ocean Studies (Chairman – Shri K. R. Narayanan, **President of India**; Secretary-cum-Honorary Treasurer – Prof. Satish Chandra, **Former Chairman, University Grants Commission**) in 2001, 2004(26.10.2004), 2005 (), 2007 and 2009. 04.04.2006; 17.12.2007; 02.02.2009; 02.05.2011
- Received the “**Vigyan Sera Pratibha**” in the 7th National Expo, 2003 for excellent contribution in science and technology by Science and Culture Organisation for Youth.
- Received the **Ph.D.** award in 2004 from Jadavpur University.
- Received “**Young Scientist Award**” from West Bengal Academy of Science and Technology in the National Seminar on Environment and Development during February 22-23rd, 2008.
- Received the “**DST Women Scientist Award**” from Department of Science and Technology, Government of India in 2007 as a project for 2 years uptill 2009. 23.03.2007
- I am **one of the two** candidates shortlisted for **UNESCO, Paris MAB Young Scientist Award** from India in 2012.
- Selected as one of the **Activity Leaders** in 12th Five Year Plan of CSIR & NISCAIR for **Vulnerability assessment and development of adaptation strategies for climate change impact with special reference to coasts and Island ecosystems of India in the year 2012.**
- Invited as **one of the Key Biodiversity Stakeholders in India** to participate in **National Biodiversity Information Outlook (NBIO), 2012** by **Wildlife Institute of India under the banner of Ministry of Environment & Forests (MOEF) and the National Biodiversity Authority (NBA), Govt. of India.**
- Received the **PEIN fellowship, a Research Excellence Programme** (1000 Euros) from University of Santiago de Compostela, Spain in 10th June 2014.
- Received the **EUPHRATES fellowship** (2500 Euros) in the category of teaching staff for undertaking research and teaching at University of Santiago de Compostela, Spain in February, 2016.04.01.2016
- Received **Woman Scientist Award** for the research paper entitled “Value-added bakery products from seaweeds for human nutrition” at the **3rd International Conference on Bioprocesses for Sustainable Environment and Energy, India-2022** held on 20th-24th June 2022 at National Institute of Technology, Rourkela.
- Received **Green Award for Environmental Research** for the research contribution of 20 years by the Global Warming Reduction Centre, Kolkata and MSCB University, Baripada (North Odisha University) at the **National Conference on “Global Warming and Climate Change: Impact and Resilience”** held during March 24th -25th, 2023.
- Nominated by Hon’ble Vice-chancellor as the **Nodal Officer, NIDM** on behalf of Central University of Odisha. And Central University of Odisha has become a member of Indian

Universities and Institutes Network for Disaster Risk Reduction (IUIINDRR-NIDM) from 05.10.2023.

- Nominated by Hon'ble Vice-Chancellor, Prof. Chakradhar Tripathi to attend **"Nurturing Future Leadership Program"** supported by Malaviya Mission Teacher Training Program, Ministry of Education, **Government of India at Centre for Teaching and Learning, Indian Institute of Management, Bangalore** from 25th-29th March 2024.
- Nominated by Hon'ble Vice-Chancellor, Prof. Chakradhar Tripathi to attend knowledge co-creation programme on **"Sustainable Forestry Management with Community Participation" & "Smart and Sustainable Cities"** under Capacity Building program Technical Cooperation Program of held on 6th April 2024 to 13th April 2024 at Singapore, Kuala Lumpur and Bangkok.
- Awarded as **Best Academician and Scientist of Central University of Odisha** for her outstanding contribution in the field of Biodiversity and Climate Change studies on the occasion of 16th Foundation Day of Central University of Odisha on 29th August 2024.

26. Referrals:

[i] Prof. Abhijit Mitra

Former Head & Professor (Ph.D. Supervisor)
Department of Marine Science
University of Calcutta
35, B. C. Road, Kolkata – 700 037.
&
Director Research, Techno-India University, Salt Lake, Kolkata
Ph. 033-25567539®, 9831269550(M).
Email: abhijit_mitra@hotmail.com

[ii] Prof. Y. Narasimhulu

Former Vice Chancellor, Rayalaseema University
Director, HRDC, University of Hyderabad
Telangana-500046
Ph:9949093636, Email:ynarasimhulu@rediffmail.com

[iii] Dr. Sebastian Villasante

Marine social-ecological systems | Adaptation and transformation
Professor of Economics - University of Santiago de Compostela
Av Angel Echevarri s/n. 15782. A Coruña, Spain
Tel. +34 981563 100 Extension 15190; Email: s.villasante.arg@gmail.com

[iv] Dr. Prabir Ghosh Dastidar

Scientist G (Retd) and Advisor
Ministry of Earth Sciences (MoES), Govt. of India
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CGO Complex, Lodi Road

New Delhi 110003
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Email: prabirgd11@gmail.com

(v)Dr. Chandrasekhar Jha

Managing Director
Former Director, Forestry and Ecology Group,
National Remote Sensing Centre,
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(vi)Prof. Surabhi Banerjee

Former, Vice Chancellor
Central University of Odisha
28/6 – B, Bepin Pal Road Extension, P.O. –Kalighat
Kolkata – 700 026.
Ph: +91-9830259535 (M); Email: surabhibanerjee2008@gmail.com

(vii)Prof. Mukund Dev Behera

Associate Professor
Centre for Oceans, Rivers, Atmosphere and Land Sciences (CORAL)
& School of Water Resources
Indian Institute of Technology (IIT) Khargpur– 721302, W.B., INDIA
Ph: +91-9434086859 (M); Email: mukundbehera@gmail.com

(viii) Prof. B. Venmathi Maran

Associate Professor
Marine Parasitology & Jellyfish Ecology
Borneo Marine Research Institute, Universiti Malaysia Sabah,
Jalan UMS, 88400 Kota Kinabalu, Sabah, Malaysia
Ph: +60-16-209-6905; Email: bavmaran@ums.edu.my

27. International Visits:

- Visited University of Santiago de Compostela, **Spain** as PDF for one month in 10th June 2014 after receiving the **PEIN fellowship, a Research Excellence Programme**.
- Visited University of Santiago de Compostela, **Spain** in February for 45 days from 04.01.2016 receiving the **EUPHRATES fellowship** in the category of teaching staff for undertaking research and teaching.
- Visited **Columbo, Sri Lanka** for delivering **Invited Lecture** on “Assessment of blue carbon stock in Bhitarkanika wildlife sanctuary in western Bay of Bengal” organized by The International Institute of Knowledge Management, at “**8th International Conference on climate change**” 8th-9th February 2024.

- Visited **Singapore, Kuala Lumpur (Malaysia) and Bangkok (Thailand)** as Vice Chancellors nominee for International Study Tour Programme to attend knowledge co-creation programme on **“Sustainable Forestry Management with Community Participation” & “Smart and Sustainable Cities”** under Capacity Building program Technical Cooperation Program organized by NCSTR, New Delhi held on 6th April 2024 to 13th April 2024.
138. Visited **Busan, South Korea** as Invited Speaker for **37th International Geological Congress 2024 (IGC-2024)** organised by the **International Union of Geological Sciences** at BEXCO, Busan, Republic of Korea from 25th–31st August 2024. She has presented on the research topic **“Sediment characteristics and carbon stock in mangroves of Mahanadi delta in the western Bay of Bengal”**.
139. Visited **Hanoi, Vietnam** as Invited Speaker for **“International Conference on Green Transformation in the Climate Change Context”**, organised by the School of Interdisciplinary Sciences and Arts (SIS) at Vietnam National University, Hanoi, Vietnam on October 24-25, 2024. She presented on the topic **“Marine phytoplankton as potential sink of carbon: A case study from Western Bay of Bengal, India”**.

PROJECTS UNDERTAKEN BY DR. KAKOLI BANERJEE

S. No.	Title of the project	Funding agency	Amount (in Rs.)	Duration	Remark
1.	Monitoring the water quality and accumulation pattern of heavy metals in mangroves and its associates in coastal West Bengal	<i>Department of Environment, Govt. of West Bengal</i>	3,52,000.00	2 years (April 2001 to March 2003)	The project was carried out in the capacity of Junior Research Fellow.
2.	Prealysis of community based and other fisheries in India for certification (ecolabelling) under the aegis of Marine Stewardship Council, U.K.	<i>WWF-India</i>	12,00,000.00 -	1 year (November 2003 to October, 2004)	The project was supervised in the capacity of Project Officer of Oceans & Coasts Programme, WWF-India Secretariat
3.	Sunderbans Landscape Project	<i>WWF- The Netherlands</i>	75,13,900.00	3 years From 2004 –2007	The project is supervised in the capacity of Asst. Coordinator Sunderbans Landscape Project, WWF-India, Canning Field Office, under WWF-India Secretariat
4.	Standardization of oyster culture technology in Indian Sundarbans	<i>Fisheries Dept, Govt. of West Bengal</i>	9,00,000.00	3 years (2006 to 2009)	The project is being supervised in the capacity of Advisor from the platform of WWF-India in collaboration with Dept. of Marine Science, University of Calcutta
5.	Experimental approach towards ecofriendly aquaculture in coastal West Bengal	<i>Boolean Logic Pvt. Ltd.</i>	1, 82, 000.00	1 year (2005)	The project was supervised in the capacity of Advisor from the platform of WWF-India

6.	Income generation through eco-friendly pisciculture in Indian Sundarbans: an innovative approach towards sustainable green technology	<i>Department of Science and Technology, Govt. of India</i>	5,53,520.00	2 years (2007-2009)	The project was supervised in the capacity of <i>Principal Investigator&Scientist</i>
7.	Study on carbon capture and storage by mangroves of Indian Sundarbans	<i>Ministry of Earth Sciences, Govt. of India</i>	16,88,380	2 years (Jul 2009-Jul, 2011)	The project was carried out in the capacity of <i>Research Associate</i>
8.	Study on the carbon stock and response of estuarine phytoplankton to iron fertilization	<i>Department of Science and Technology, Govt. of India</i>	18,20,400	3 rd Aug, 2011 to 31 st Dec 2011	The project was carried out in the capacity of <i>Research Associate-III</i>
9.	EUPHRATES PROJECT	<i>University of Santiago de Compostela, Spain</i>	2985 Euros	2013-2017	Coordinator of the Project from CUO
10.	Organised National Seminar on Climate Change and Biodiversity at Central University of Odisha	<i>Ministry of Earth Sciences, GOI</i>	3,00,000	23 rd and 24 th Nov, 2013	The project was coordinated as a Convenor for the National Seminar
11.	Study on carbon cycling in mangrove ecosystem of Bhitarkanika, Odisha	<i>Ministry of Earth Sciences, GOI</i>	27.40 lakhs	2016-2021	Principal Investigator
12.	Measurement of Vegetation & Biomass Parameters under Vegetation Carbon Pool Assessment (VCP)-Sub Project of ISRO Geosphere Biosphere Programme (IGBP) –National Carbon Project (NCP)	<i>NRSC, Hyderabad</i>	14.59 lakhs	2015-2019	Principal Investigator
13	Organised webinar and outreach component on Covid 19 and Various Nutritional Requirements'	<i>National Commission for Women, Govt. of India</i>	30,000	27 th Sept, 2021	Convenor Chairperson, ICC, CUO
14	Organised webinar and outreach component on Unequal Pay: Gender Discrimination at workplace	<i>National Commission for Women, Govt. of India</i>	30,000	30 th Dec, 2021	Convenor Chairperson, ICC, CUO

ANNEXURE I

LIST OF PUBLICATIONS

Total No. of publications: 209 papers + 19 books = 228

INTERNATIONAL PUBLICATIONS: 67

UGC-CARE/ SCI/SCIE/ESCI/SCOPUS/ WEB OF SCIENCE

1. Zaman, S., Mukherjee, N., **Banerjee, K.** and Mitra, A (2007). Microbial status of cultured shrimp from Indian Sundarbans. *Proceedings of the National Academy of Sciences India, Sec B, India*, Springer, 77B (3): 288-291. ISSN: 2250-1746. **I.F: 0.175** **COR** <https://www.researchgate.net/search.Search.html?query=Microbial+status+of+cultured+shrimp+from+Indian+Sundarbans%2C+Zaman%2C+S.%2C+Mukherjee%2C+N.%2C+Banerjee%2C+K.+and+Mitra%2C+A+%282007%29&type=publication>
2. Chakraborty, R., **Banerjee, K.** and Mitra, A. (2008). Monthly variation of Zn, Cu and Pb in the coastal stretch of West Bengal. *Proceedings of the National Academy of Sciences of India, Sec B, India*, Springer, 78(3): 234-245. ISSN: 2250-1746. **I.F: 0.175** **COR** [https://nopr.niscpr.res.in/bitstream/123456789/4250/1/IJMS%2038\(1\)%20104-109.pdf](https://nopr.niscpr.res.in/bitstream/123456789/4250/1/IJMS%2038(1)%20104-109.pdf)
3. Mitra, A., **Banerjee, K.**, Sengupta, K. and Gangopadhyay, A. (2009). Pulse of climate change in Indian Sundarbans: A Myth or Reality? *National Academy of Science Letters*, Springer, 32(1&2): 19-25. ISSN: 0250-541X. **I.F: 0.649** **COR** https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Pulse+of+climate+change+in+India+n+Sundarbans%3A+A+Myth+or+Reality%3F&btnG=
4. **Banerjee, K.**, Ray, D., Basu, S., Chakraborty, B. and Mitra, A. (2009). A comparative study of Astaxanthin level in mangrove species. *Proceedings of the National Academy of Sciences of India*, Springer, 79(2), pp. 135-142. ISSN: 2250-1746. **I.F: 0.175** https://www.researchgate.net/publication/287301696_A_comparative_study_of_astaxanthin_level_in_mangrove_species
5. **Banerjee, K.**, Ghosh, R., Homechaudhuri, S. and Mitra, A. (2009). Seasonal variation in the biochemical composition of red seaweed (*Catenella repens*) from Gangetic delta, northeast coast of India. *Journal of Earth System Science*, Springer, 118(5): 497-505. ISSN: 0973-774X. **I.F: 1.912** <https://doi.org/10.1007/s12040-009-0045-2>
6. Mitra, A., Amin, G., Chakraborty, G. and **Banerjee, K.** (2009). Heavy metals in edible fish muscles from Gangetic delta – How Safe for Consumption? *National Academy of Science Letters, India*, Springer, 32(11 & 12): 357-362. ISSN: 0250-541X. **I.F: 0.649** **COR** <https://www.cabdirect.org/cabdirect/abstract/20113276825#>
7. Mitra, A., **Banerjee, K.** and Sinha, S. (2011). Shrimp tissue quality in the lower Gangetic delta at the apex of Bay of Bengal. *Toxicological & Environmental Chemistry*, Springer, 93(3): 565-574. ISSN: 0277-2248, **I.F: 1.565** **COR** <https://doi.org/10.1080/02772248.2010.542156>

8. Mitra, A., Sengupta, K. and **Banerjee, K.** (2011). Standing biomass and carbon storage of above-ground structures in dominant mangrove trees in the Sundarbans. *Forest Ecology and Management*, Springer, 261(7): 1325-1335. ISSN: 0378-1127. **I.F :4.384** **COR**<https://doi.org/10.1016/j.foreco.2011.01.012>
9. Mitra, A. and **Banerjee, K.** (2011). Trace elements in edible shellfish species from the lower Gangetic delta. *Ecotoxicology and Environmental Safety*, Springer, 74(6): 1512-1517. ISSN: 0147-6513. **I.F: 7.129** **COR**<https://doi.org/10.1016/j.ecoenv.2011.04.031>
10. Mitra, A., **Banerjee, K.** and Sengupta K. (2011). Impact of AILA, a tropical cyclone on salinity, pH and dissolved oxygen of an aquatic sub-system of Indian Sundarbans. *Proceedings of National Academy of Sciences India, Sec B, India*, 81(II): 198-202, Springer, ISSN: 2250-1746. **I.F: 0.175** **COR**https://www.researchgate.net/publication/285812264_Impact_of_AILA_a_tropical_cyclone_on_salinity_pH_and_dissolved_oxygen_of_an_aquatic_sub-system_of_Indian_Sundarbans
11. Mitra, A., Chakraborty, R., Sengupta, K. and **Banerjee, K.** (2011). Effects of various cooking processes on the concentration of heavy metals in common finfish and shrimps of the river Ganges. *National Academy of Science Letters*, Springer, 34 (3&4): 161-166, ISSN: 0250-541X. **I.F: 0.649** **COR**https://www.researchgate.net/profile/Abhijit-Mitra-4/publication/273143898_Effects_of_various_cooking_processes_on_the_concentrations_of_heavy_metals_in_common_fish_and_shrimps_of_the_River/links/637aed032f4bca7fd07a0ae0/Effects-of-various-cooking-processes-on-the-concentrations-of-heavy-metals-in-common-fish-and-shrimps-of-the-River.pdf
12. Mitra, A., Choudhury, R. and **Banerjee, K.** (2011). Concentrations of some heavy metals in commercially important finfish and shellfish of the River Ganga. *Environmental Monitoring and Assessment*, Springer, 184: 2219-2230; ISSN: 0167-6369. **I.F : 3.307** **COR**<https://doi.org/10.1007/s10661-011-2111-x>
13. Raha, A., Das, S. **Banerjee, K.** and Mitra, A. (2012). Climate change impacts on Indian Sunderbans: a time series analysis (1924-2008). *Biodiversity and Conservation*, 21: 1289; ISSN: 0960-3115. **I.F : 4.296** **COR**<https://doi.org/10.1007/s10531-012-0260-z>
14. Mitra, A., Barua, P., Zaman, S. and **Banerjee, K.** (2012). Analysis of trace metals in commercially important crustaceans collected from UNESCO protected World Heritage Site of Indian Sundarbans. *Turkish Journal of Fisheries and Aquatic Sciences*, 12: 53-66. ISSN: 1303-2712 (DOI 10.4194/1303-2712-v12_1_07) **I.F: 1.429** **COR**
15. Mitra, A., **Banerjee, K.** and Sett, S. (2012). Spatial Variation of Organic Carbon density of mangrove soil in Indian Sundarbans. *National Academy of Science Letters*, India, Springer, 35(3): 147-154. ISSN: 0250-541X. (DOI 10.1007/s40009-012-0046-6). **I.F: 0.649** **COR**
16. Mitra, A., Sengupta, K. and **Banerjee, K.** (2012). Spatial and temporal trends in biomass and carbon sequestration potential of *Sonneratia apetala* Buch-Ham in Indian Sundarbans. *Proceedings of the National Academy of Sciences*, Springer, 82 (2): 317-323. ISSN: 0369-8211 (DOI 10.1007/s40011-012-0021-5). **I.F: 0.175** **COR**

17. Mitra, A., Zaman, S., Ray, S. K. Sinha, S. and **Banerjee, K.** (2012). Inter-relationship between phytoplankton cell volume and aquatic salinity in Indian Sundarbans. *National Academy of Science Letters*, Springer, 35(6):485-491. ISSN: 0250-541X. (DOI 10.1007/s40009-012-0083-1). **I.F: 0.649COR**
18. **Banerjee, K.**, Sengupta, K., Raha, A. and Mitra, A. (2013). Salinity based allometric equations for biomass estimation in Sundarbans mangroves. *Biomass and Bioenergy*, 56:382-391. ISSN: 0961-9534.**I.F: 5.774**<https://doi.org/10.1016/j.biombioe.2013.05.010>
19. Jana, H., Mondal, K.C., Maity, C., Ghosh, K., Mitra, A., **Banerjee, K.**, Dey, S. and Pati, B. R. (2013). Variation of antioxidant biomarkers in the edible oyster *Saccostrea cucullata* collected from three different water bodies of Sundarbans. *Chemistry & Ecology*, 29(8):745-753, ISSN: 0275-7540. (<http://dx.doi.org/10.1080/02757540.2013.827669>).**I.F: 2.381COA**
20. Mitra, A., Trivedi, S., Zaman, S., Pramanick, P., Chakraborty, S., Pal, N. Fazli, P. and **Banerjee, K.** (2015). Decadal variation of nutrient level in two major estuaries in Indian Sundarbans. *Jordan Journal of Biological Sciences*, 8(3): 231-236. ISSN: 1995-6673. **I.F. 0.29COA**<http://dx.doi.org/10.12816/0026964>
21. **Banerjee, K.**, Gatti, R. C. and Mitra, A. (2017). Climate-change induced salinity variation impacts on a stenoeic mangrove species in the Indian Sundarbans. *Ambio* (Springer), 46:492-499. ISSN: (0044-7447 Print) 1654-7209 (Online)**I.F. 6.943**<https://doi.org/10.1007/s13280-016-0839-9>
22. Bal, Gobinda and **Banerjee, Kakoli** (2019). Carbon storage potential of tropical wetland forests of South Asia: A case study from Bhitarkanika Wildlife Sanctuary, India. *Environment Monitoring and Assessment*, Springer 191(Suppl3): 795-816. doi: <https://doi.org/10.1007/s10661-019-7690-y>. ISSN: 0167-6369.**I.F: 3.307.COR**
23. **Banerjee K** and Khemundu GR (2019). Total replacement of fishmeal with indigenously available ingredients from plant sources for culturing *Macrobrachium rosenbergii*. *Aquaculture*. Elsevier 512(16):734277. ISSN No.: 0044-8486. **I.F.: 5.135**<https://doi.org/10.1016/j.aquaculture.2019.734277>
24. Khemundu GR and **Banerjee K** (2019). Culture of *Macrobrachium rosenbergii* using indigenous floral extract in the hilly terrains of Koraput district of Odisha, India. *Heliyon*. Elsevier 5 (10) (e02312 to e02324). ISSN No.2405-8440. **I.F. :4.0COR**<https://doi.org/10.1016/j.heliyon.2019.e02312>
25. **Banerjee K**, Sahoo CK, Bal, G, Mallik K, Mitra A (2020). High blue carbon stock in mangrove forests of Eastern India. *Tropical Ecology (ISTE) Springer*, 61(4):150-167, doi: <https://doi.org/10.1007/s42965-020-00072-y>, ISSN No.: 0564-3295. **I.F. 1.333**
26. Paul R and **Banerjee, K** (2020). Deforestation and forest fragmentation in the highlands of Eastern Ghats, India. *Journal of Forestry Research. Springer*. 32(4): 1127-1138.doi: <https://doi.org/10.1007/s11676-020-01175-x>. ISSN: 1993-0607. **I.F. 2.361 COR**
27. Paul R, Patra S and **Banerjee, K** (2020). Socio-economic impact on vulnerability of tropical forests of Eastern Ghats using hybrid modeling. *Tropical Ecology. Springer*. 61(4): 475-486doi: 10.1007/s42965-020-00106-5,ISSN No.: 0564-3295. **I.F. 1.333COR**

28. **Banerjee, K**, Sahoo CK and Paul R (2021). Assessment and modelling of vegetation biomass in a major bauxite mine of Eastern Ghats, India. *Modeling Earth Systems and Environment*, Springer.7: 2341–2361 (2021)doi:<https://doi.org/10.1007/s40808-020-01004-4>, ISSN No.: 2363-6203. **I.F. 3.899**
29. Paul R, Subudhi DK, Sahoo CK and **Banerjee, K** (2021). Invasion of *Lantana camara* L. and its response to climate change in the mountains of Eastern Ghats. *Biologia*. 76(6):1391-1408Springer. doi.:10.1007-s11756-021-00735-8; ISSN: 0006-3088 **I.F. 1.653COR**
30. **Banerjee, K**; Mitra, A and Villasante, S. (2021). Carbon cycling in mangrove ecosystem of western Bay of Bengal (India). *Sustainability*, 13(24): 6740, MDPI. <https://doi.org/10.3390/su13126740>, **ISSN No. 2071-1050. I.F: 3.889**
31. **Banerjee K**, Sahoo CK, Bal, G, Paul, R (2022). Allometric model based on dendrometrical measurements in mangroves of western Bay of Bengal. *Tropical Ecology (ISTE) Springer*, 61(4):150-167, doi: <https://doi.org/10.1007/s42965-021-00215-9>, ISSN No.: 0564-3295. **I.F. 1.333**
32. **Banerjee, K.** &Paul, R. (2022a). Role of abiotic factors in enhancing the capacity of mangroves in reducing ocean acidification. *Ecotoxicology*, 31(7):1169–1188. ISSN: 1573-3017, <https://doi.org/10.1007/s10646-022-02566-y>. **I.F.2.935**
33. **Banerjee K**, MahakurT, Bindhani PK & Khemendu GR (2023). Assessment of different grass species as source of micronutrients in prawn *Macrobrachium rosenbergii* feeds. *Aquaculture & Fisheries*, Elsevier, 61(4):150-167, doi: <https://doi.org/10.1016/j.aaf.2023.01.010>, ISSN No.: 2096-1758. **I.F.3.59**
34. Turuk, A.S., **Banerjee, K**. Blending seaweed into bakery products. *J Appl Phycol* 35(4), 1893–1909 (2023). ISSN: 0921-8971, <https://doi.org/10.1007/s10811-023-02982-5>. **I.F.3.404**
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22. Reddy, JG and **Banerjee K.** **Nature's Coastal shields: Unveiling the signiuficance of salt marshes and sea grass beds.** *Aghanaashini Tales – A magazine, published by Aghanaashini Nature Foundation*, 2024, Article 9, Vol 4, pp. 32-33.

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Sl. No.	Year	Name of the Book	Authors	Publisher
1	2004	Marine Microbiology (ISBN: 978-81-85375-87-8)	Abhijit Mitra & Kakoli Banerjee	Narendra Publishing House, New Delhi, P. 159, 6/10/2004
2	2004	Introduction to Marine Plankton (ISBN: 978-81-70353-24-9)	Abhijit Mitra, Kakoli Banerjee & Avijit Gangopadhyay	Daya Publishing House, New Delhi, P. 102, 21/04/2004
3	2004	Ecological Profile of Indian Sundarbans: Pelagic Primary Producer Community	Abhijit Mitra, Kakoli Banerjee & D.P. Bhattacharyya	World Wide Fund for Nature – India (WWF), WBSO
4	2004	The Other Face of Mangroves	Abhijit Mitra, Kakoli Banerjee & D.P. Bhattacharyya	Department of Environment, Govt. of West Bengal
5	2004	About <i>Platanista gangetica</i> : Ganges River Dolphin	Mitra Abhijit; Aich, Amitava and Kakoli, Banerjee	World Wide Fund for Nature – India, (WBSO)
6	2005	Marine Fish and Fisheries in and around Mangroves of Indian Sundarbans (ISBN: 978-81-87500-27-8)	Abhijit Mitra, Kakoli Banerjee & Sabyasachi Majumdar	acb publications, Kolkata P. 92, 7/10/2005
7	2005	Living Resources of the Sea: Focus Indian Sundarbans	Abhijit Mitra & Kakoli Banerjee	World Wide Fund for Nature – India, Canning Field Office, West Bengal
8	2006	Introduction to Marine Phytoplankton (ISBN: 978-81-85375-13-7)	Abhijit Mitra, Kakoli Banerjee & D.P. Bhattacharyya	Narendra Publishing House, New Delhi P. 138, 14/06/2006
9	2006	Mangroves: our next door neighbor	Abhijit Mitra, Kakoli Banerjee & D.P. Bhattacharyya	World Wide Fund for Nature – India, Canning Field Office, West Bengal
10	2006	Training Manual on Ecofriendly and Sustainable Fishery	Abhijit Mitra & Kakoli Banerjee	World Wide Fund for Nature–India (WWF), Canning Field office
11	2006	Training Manual on Non-Classical Use of Mangroves in Indian Sundarbans	Kakoli Banerjee & Abhijit Mitra	World Wide Fund for Nature–India (WWF), Canning Field office
12	2007	Distribution of sharks in the territorial waters of Indian Sundarbans	Abhijit Mitra & Kakoli Banerjee	Forest Department, Govt. of West Bengal
13	2009	Biomass study in mangroves: An introductory manual	Abhijit Mitra, Kakoli Banerjee & Shubendu Bandyopadhyay	Forest Department, Govt. of West Bengal
14	2010	Mangroves: A unique sink of carbon in the tropics	Abhijit Mitra, Kakoli Banerjee & Atanu Kumar Raha	Forest Department, Govt. of West Bengal
15	2017	Environmental Coastguards (ISBN: 978-81-7236-352-9)	Abhijit Mitra, J. Sunderesan, Kakoli Banerjee & S.K. Agarwal	CSIR-NISCAIR P. 317, 20/10/2017
16	2017	Recent Developments in Mangrove Research (ISBN-13: 978-8170750932) ISBN-10: 8170750938	Abhijit Mitra, Kakoli Banerjee & Tanmay Ray Chaudhuri	Hindustan Publishing House, New Delhi P. 346; 25/08/2017
17	2020	Mangroves of the Gangetic delta (ISBN: 9781713274247)	Abhijit Mitra, Gahul Amin & Kakoli Banerjee	Amazon Publishing House, USA, p. 174, 11/08/2020
18	2022	Gender Equality & Empowerment: Workspace Safety & Wellbeing (ISBN: 978-93-9279-811-5)	Edited By: Kakoli Banerjee	SSDN Publishers & Distributors, New Delhi, p. 166, 05/03/2022
19	2023	Wetlands: Practical guide to	Sheel Bansal, Irena F. Creed,	Wetlands; Springer p. 105,

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Scott D. Bridgham,
Ankur R. Desai, Ken W. Krauss,
Scott C. Neubauer,
Gregory B. Noe,
Donald O. Rosenberry,
Carl Trettin,
Kimberly P. Wickland,
Scott T. Allen, Ariane Arias-Ortiz,
Anna R. Armitage,
Dennis Baldocchi,
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ANNEXURE II (A)

LIST OF M.Phil. STUDENTS GUIDED

SL. NO.	NAME OF THE STUDENT	ENROLMENT NUMBER	UNIVERSITY	YEAR OF AWARD	TOPIC OF THESIS/DISSERTATION
1	Jayati Chakraborti	91/FST/074002	Department of Zoology University of Calcutta	2007	<i>Catenella repens</i> : a potential source of astaxanthin
2	Sayantini Sinha	91/FST/084009	Department of Zoology University of Calcutta	2008	Ecology and biochemistry of edible oyster (<i>Saccostrea cucullata</i>) in Indian Sundarbans
3	Kajori Mukherjee	91/FST/094011	Department of Zoology University of Calcutta	2009	Study on the ecology and biochemistry of dominant gastropods of Indian Sundarbans
4	Asit Kumar Bhattacharjee	Reg. No. C543400001 dated 04/04/2005	Department of Environmental Science, Vinayaka Missions University Salem, Tamil Nadu	2008	Heavy metal pollution in the coastal zone of West Bengal: a status report
5	Barsha Mukherjee (Chakraborty)	Reg. No. A7WB006m1310005	Department of Environmental Science, Vinayaka Missions University Salem, Tamil Nadu	2008	Monitoring the bioaccumulation pattern of Zn, Cu & Pb in the selected mangrove species and ambient media in Indian Sundarbans
6	Gobinda Bal	14/MPHIL/ CBCNR/02	Central University of Odisha, Koraput	2015	A comparative analysis on soil quality parameters of mangrove and non-mangrove areas of east coast of India

7	Khitish Chandra Moharana	14/MPHIL/ CBCNR/04	Central University of Odisha, Koraput	2015	Study on the quantification of mangrove forest cover change and floristic composition of mangrove species in Bhitarkanika National Park using GIS and Remote Sensing Technique
8	Biswajita Mohapatra	14/MPHIL/ CBCNR/01	Central University of Odisha, Koraput	2015	Study on heavy metal accumulation in dominant edible fish species of river Kolab in Koraput district of Odisha, India
9	Archana Snehasini Turuk	15/MPHIL/ DBCNR/03	Central University of Odisha, Koraput	2017	Study on the nutritive components of seaweeds inhabiting Visakhapatnam coast of Andhra Pradesh, India
10	Ruby	15/MPHIL/ DBCNR/06	Central University of Odisha, Koraput	2017	Study on nutritional properties of fish feed prepared from indigenous grass varieties of Koraput district of Odisha
11	Chitrangada Deb sarma	16/MPHIL/ DBCNR/04	Central University of Odisha, Koraput	2018	Vegetational structure and biomass in selected forest patches of Nabarangpur district of Odisha, India
12	Gopa Mishra	16/MPHIL/ DBCNR/05	Central University of Odisha, Koraput	2018	Quantitative assessment of litter biomass and carbon in selected forest patches of Koraput, Odisha
13	Nihar Ranjan Sahoo	16/MPHIL/ DBCNR/09	Central University of Odisha, Koraput	2018	Nutrient profiling of intertidal sediments by selected crab species in Mahanadi Delta mangroves, Odisha, India
14	Chandan Kumar Sahoo	18/MPHIL/ DBCNR/03	Central University of Odisha, Koraput	2019	Geospatial assessment of vegetation biomass at Panchpatmali Bauxite Mines, Koraput, Odisha
15	Kapileswar Mallik	19/MPHIL/ DBCNR/01	Central University of Odisha, Koraput	2020	Carbon storage in salt marsh grass <i>Porteresia coarctata</i> in selected wetlands of coastal Odisha, India

ANNEXURE II (B)
LIST OF M.Sc. STUDENTS GUIDED

SL/NO.	NAME	ENROL NO.	TOPIC	YEAR OF PASSING
1.	Gopal Raj Khemundu	11/05/CBCNR/06	Study on the floral diversity assessment of Koraput, Odisha	2013
2.	Gobinda Bal	11/05/CBCNR/05	Study on the organic carbon of Bhitarkanika mangrove ecosystem	2013
3.	Meesala Vineela	12/05/CBCNR/07	Assessment of herb and shrub diversity in Koraput district of Odisha through development of c-programming	2014
4.	SibanandaRauta	12/05/CBCNR/14	Study on carbon storage in trees and soils of Koraput and Nabarangpur districts of Odisha	2014
5.	Rakesh Paul	12/05/CBCNR/09	Assessment of secondary nutrient and micro nutrients in soils of Koraput and Semiliguda blocks using GIS technique	2014
6.	Sunanda Panigrahi	12/05/CBCNR/17	Study on astaxanthin content in wild fruits of tropical trees in Koraput district of Odisha	2014
7.	Archana SnehasiniTuruk	13/05/CBCNR/05	Biochemical composition of seaweeds inhabiting Visakhapatnam coast of Andhra Pradesh, India	2015
8.	Gopa Mishra	13/05/CBCNR/10	Study on the larval feed requirement for shrimp hatchery: a case study from BMR hatchery, Visakhapatnam, Andhra Pradesh, India	2015
9.	ChitrangadaDebsarma	13/05/CBCNR/09	Study on the mangrove associated species as potential source of carotenoid and astaxanthin in Bahuda estuary of Odisha, India	2015
10.	Alisha Patro	13/05/CBCNR/02	Climate change and carbon credit; a challenge in present era	2015
11.	Avinash Mansingh	13/05/CBCNR/01	Study on growth, survival and protein content of edible oyster <i>Saccostrea cucullata</i> inhabiting Visakhapatnam coast of Andhra Pradesh, India	2015
12.	Prasanta Kumar Dandasena	13/05/CBCNR/15	Study on water quality of river kolab in Koraput district of Odisha, India	2015
13.	Devaki Bhumij	14/05/CBCNR/09	Study of faunal diversity in coastal region of Visakhapatnam, Andhra Pradesh	2016
14.	Niharika Barik	14/05/CBCNR/20	Assessment of grass species diversity in Koraput district of Odisha	2016

15.	Sadhana Subhadarsini	14/05/CBCNR/24	Diversity of exotic floral species in Koraput, Odisha	2016
16.	Silpa Patra	14/05/CBCNR/25	Study on floristic composition of Koraput district, Odisha	2016
17.	Arunika Subuddhi	14/05/CBCNR/04	Study on phytopigment status of chilika lagoon, Odisha	2016
18.	D. Priyanka	14/05/CBCNR/08	Bioaccumulation of heavy metals by <i>Monochoria vaginalis</i> : a species in the water hyacinth family	2016
19.	Manisha Gachhayat	14/05/CBCNR/16	Study on phytopigment status of wetlands of Koraput district, Odisha	2016
20.	Namita Majhi	14/05/CBCNR/19	Proximate composition of seaweeds inhabiting Visakhapatnam coast of Andhra Pradesh	2016
21.	A. Puspa	15/05/DBCNR/01	Leaf area and photo-chemical efficiency of selective mangrove species of Bhitarkanika mangrove ecosystem	2017
22.	Suraj Kumar Swain	15/05/DBCNR/27	Study on temporal variation in vegetation cover of Koraput division using GIS and Remote sensing	2017
23.	Bebika Sahu	15/05/DBCNR/07	Carbon storage in selected molluscan species in intertidal mudflats of Bhitarkanika mangrove ecosystem	2017
24.	Priti Panda	15/05/DBCNR/16	A comparative analysis of conventional and non-conventional feed for fresh water prawn <i>Macrobrachium rosenbergii</i>	2017
25.	Soumya Shree Panigrahi	15/05/DBCNR/24	Study on altitudinal variation and dominance pattern in vegetation of Koraput district, Eastern ghat, India	2017
26.	Sushree Sangeeta Sahu	15/05/DBCNR/28	Study on above ground biomass of the selective mangrove species of Bhitarkanika wildlife sanctuary, Odisha	2017
27.	Chandan Kumar Sahoo	16/05/DBCNR/06	Effect of mining expansion on vegetation cover in major mines of Koraput district of Odisha	2018
28.	Prajna Paramita Mohapatra	16/05/ DBCNR/15	Bioaccumulation of heavy metals in selected seaweeds of Visakhapatnam coast of Andhra Pradesh, India	2018
29.	SushreeSudesnaGochhayat	16/05/ DBCNR/25	Molluscan species as bioindicator of heavy metal pollution in Visakhapatnam coast of Andhra Pradesh, India	2018

30.	Susmita Sahu	16/05/ DBCNR/26	Assessment of water quality in culture ponds of giant freshwater prawn <i>Macrobrachium rosenbergii</i> in Nandapur village of Koraput, Odisha	2018
31.	Damodar Lauphul	16/05/ DBCNR/10	Effect of shoreline changes on mangrove forest cover of Bhitarkanika Wildlife Sanctuary, Odisha, India	2018
32	Amita Mohanty	17/05/DBCNR/01	Assessment of biomass in forests of Sonepur district of Odisha	2019
33	Bholeswar Sunani	17/05/DBCNR/04	Comparative analysis of biomass and carbon storage in salt marsh grass of <i>Porteresia coarctata</i> and <i>Myriostachya wightiana</i> of Bhitarkanika wetlands, Odisha.	2019
34	Sridhar Moharana	17/05/DBCNR/25	Decadal change in mangrove forest cover in Mahanadi delta using RS and GIS	2019
35	Sipra Gua	17/05/DBCNR/22	Vegetational biomass estimation in forests of Balangir district of Odisha in non destructive perspective	2019
36	Minati Laya	17/05/DBCNR/12	Study on above ground biomass of the selective mangrove species of Mahanadi delta, Odisha	2019
37	Priyanka Sahu	17/05/DBCNR/16	Effect of water quality on condition index (CI) of fresh water prawn (<i>M. rosenbergii</i>) cultured with conventional and formulated feed	2019
38	Shubhendu Behera	17/05/DBCNR/21	Effect of water discharge on water level of Mahanadi River	2019
39	Subhashree Patra	18/05/DBCNR/02	Vulnerability of tropical forests caused by socio-economic activities in Eastern Ghats of India	2020
40	Sruti Samapika	18/05/DBCNR/06	Bacterial pathogens in edible macroalgae of coastal waters	2020
41	Rekha Kumari	18/05/DBCNR/14	Micronutrient assay of selected seaweeds of Andhra coast, India	2020
42	Banani Bacchar	18/05/DBCNR/16	Green energy for sustainable future	2020
43	Sunil Kumar Sahoo	18/05/DBCNR/21	Effect of climatic variables on turtle nesting of Odisha, India	2020
44	Dilip Kumar Subuddhi	18/05/DBCNR/25	Invasion of <i>Lantana camara</i> L. and its response to climate change in the mountains of Eastern Ghats	2020

45	Trisnehi Pradhan	19/05/DBCNR/02	Heavy metal concentration in dominant finfishes from selected rivers of India	2021
46	TusharikaMahakur	19/05/DBCNR/09	Use of grass species in <i>Macrobrachiumrosenbergii</i> feed preparation: a case study in the Eastern Ghats of Koraput, Odisha	2021
47	G Jayanti Reddy	19/05/DBCNR/12	Study on climatic factors of south-western Himalayan region	2021
48	Jyotirmayee Meher	19/05/DBCNR/30	Antioxidant properties of seaweeds	2021
49	Sachin Kumar Ksheti	19/05/DBCNR/035	Quantification of biomass and carbon in tropical deciduous forests of Sonepur district of Odisha	2021
50	Sharmistha Das	19/05/DBCNR/29	Sediment characteristics of mangroves and their effect on diversity	2021
51	Sibani Swain	19/05/DBCNR/14	Value added edible products from seaweeds in India	2021
52	Chetna Kheti	20/05/DBCNR/36	Preliminary study on diversity and distribution of dominant marine and estuarine fishes of coastal odisha, india.	2022
53	Sweta Patnaik	21/05/DBCNR/08	A meta-analysis of temperature, pH and salinity effects on fish diversity of East coast of India.	2023
54	Sweta Mohanty	21/05/DBCNR/25	Preliminary study on biomass and carbon estimation of <i>Bambusa</i> species in plantation sites of Koraput district of Odisha.	2023
55	Biswaprava Sethi	21/05/DBCNR/28	Studies on oxidative stress in selected fish species of Brahmani-Baitarani Estuary.	2023
56	Nirlipta Patro	21/05/DBCNR/29	Bioaccumulation pattern of heavy metals in selected fish species of Brahmani-Baitarani Estuary.	2023
57	K. Abhisrita Patro	21/05/DBCNR/37	Development of allometric models for biomass estimation in tropical deciduous forest, estern ghats of southern Odisha.	2023
58	Sritam Sahoo	22/05/DBCNR/11	Assesing oxidative stress due to heavy metal contamination in <i>piaractus brachypomus</i> in Brahmani-Baitarani estuary.	2024
59	Samuel Kadmseth	22/05/DBCNR/28	Assessment of diversity and distribution Of saltmarsh grass species of southern part of coastal Odisha.	2024

60	Priyanka Prativa Sahoo	22/05/DBCNR/09	Biochemical composition and nutritional profiles of seagrasses in Chilika lagoon.	2024
61	G Jeevan Kumar Yadav	22/05/DBCNR/27	Assessment of diversity and distribution Of seagrass species in southern coast of Odisha.	2024
62	Himadri Bhatra	22/05/DBCNR/25	Biochemical profiling of saltmarsh associate species of Bahuda estuary, Odisha.	2024
63	Ashiya Begum	22/05/DBCNR/16	Saltmarsh associate species diversity and distribution in Bahuda estuary.	2024
64	T. Abhishikta Raju	22/05/DBCNR/31	Evaluating phytoplankton cell volume and carbon at Bahuda-Rushikulya estuary, Odisha, India.	2024

ANNEXURE II (C)
LIST OF Ph.D. STUDENTS GUIDED

SL/ NO.	NAME	ENROL NO.	REGD. NO	TOPIC	STATUS
1.	Gopal Raj Khemundu (RGNF Award letter No. F1-17.1/2014-15/RGNF-2014-15-SC-ORI-73313/SA-III/(Website), February 2015)	14/PHD/CBCNR/02	307002/2014	Introduction of <i>Macrobrachium rosenbergii</i> fresh water prawn culture in Koraput, Odisha: a sustainable approach	Ph.D. awarded on 07/11/2019 Notification No. CUO/Exam/PHD/2019/1023
2	Rakesh Paul (Sanction No. DST/INSPIRE Fellowship/2015/IF 150127 dated 10.04.2015)	14/PHD/CBCNR/05	307005/2014	Forest cover dynamics study of Koraput district, Odisha in relation to climate change using Remote sensing and GIS	Ph.D. awarded on 08/02/2021 Notification No. CUO/Exam/PHD/2021/1032
3	Gobinda Bal (RGNF Award letter no. F1-17.1/2014-15/RGNF-2014-15-SC-ORI-67490/67490/SA-III/(Website), February 2015)	15/PHD/DBCNR/02	PHD/DBCNR/02/2015	Study on the carbon storage in mangrove vegetation and soils of Bhitarkanika mangrove ecosystem, Odisha	Ph.D. awarded on 21/10/2019 Notification No. CUO/Exam/PHD/2019/1016
4	Archana Snehasini Turuk (UGC Non-Net)	17/PHD/DBCNR/01	PHD/DBCNR/01/2017	Seaweeds as Potential Ingredients in Bakery Products	Ph.D. awarded on 04/10/2023 Notification

					No.CUO/Exam./ CE/PHD/79/10- 2023/200
5	Asmita Basu (UGC Non-Net)	19/PHD/DBCNR/ 03	PHD/DBCNR/ 03/2019	Heavy metal induced toxicological studies in selected edible fish species	Continued Ph.D. from 2019 to 2022, then left
6	Prakash Parasetth (UGC Non-Net)	19/PHD/DBCNR/ 04	PHD/DBCNR/ 04/2019	Geospatial approach for estimation of biomass and carbon in tropical deciduous forests of Eastern Ghats of southern Odisha	Ph.D.continuing since Aug 2019
7	Pramod Kumar Bindhani (UGC Non-Net)	20/PHD/DBCNR/ 03	PHD/DBCNR/ 02/2020	Bioaccumulation pattern of heavy metals in selected fishes inhabiting Brahmani- Baitrani estuary, Odisha, India	Ph.D.continuing since Dec 2020
8	G. Jayanti Reddy (UGC Non-Net)	22/PHD/DBCNR/ 01	PHD/DBCNR/ 01/2022	Carbon storage in selected sea grasses of western Bay of Bengal	Ph.D. continuing since Nov 2022