

## Prof. (Dr) Ashis Kumar Panigrahi

Ph.D., D.Sc., FZS(Cal), FZSI, FZSB, FGESA, FNAS

Currently Pro Vice-Chancellor, The University of Burdwan, PIN- 713104, India

Previously Former Prof. in Zoology, Coordinator of ENVIS Resources Partner, University of Kalyani, PIN- 741245, India

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Experience: Research & Teaching as a University Professor and Government Administrative Officer total Equivalent Services – **More than 38 Years**

DOB: 26/08/1961



### OBJECTIVE

Results-driven academic leader seeking the Vice Chancellor position to apply visionary leadership, strategic planning, and a commitment to academic excellence for the advancement of institution/university.

### EMPLOYMENT

Pro Vice-Chancellor at The University of Burdwan:	June 2020, ongoing
Professor at University of Kalyani	Since 2013 and Continuing (On lien).
Associate Professor or equivalent at University of Kalyani	2010-2013
Reader or equivalent at Kalyani University	2007-2010
Assistant Professor	2000-2007
Fishery Technical Officer in the Planning and Development Cell, Govt. of West Bengal	1988-2000
CSIR Fellow	1984

### EDUCATION QUALIFICATIONS

1. Obtained D.Sc. from Berhampur University in Science & Technology, Zoology (2021)
2. Obtained PhD in Fishery Science & Ecotoxicology from University of Kalyani (1988)
3. Passed MSc with 61% in Zoology from University of Kalyani (1982)
4. Passed BSc with 62% along with distinction from Utkal University (1980)

### RESEARCH ACCOMPLISHMENT

1. Research Publications in pre-reviewed and referred academic journals: 180
2. Doctoral Thesis supervised: 36 (32 awarded)
3. Books/Book chapters Published: 13 Books and 32 Book chapters
4. Research Project Undertaken as PI/CO-PI: 06 as PI & 07 as CO-PI

Google Scholar ID: <https://scholar.google.co.in/citations?user=o6flRbIAAAAJ&hl=en>

ORCID ID: 0000-0001-8104-5064

Vidwan ID: 253621

### ADMINISTRATIVE EXPERIENCE IN HIGHER EDUCATION INSTITUTES

1. Pro Vice-Chancellor, The University of Burdwan from June 2020 onwards and continuing.
2. Member of Executive council body of the University of Burdwan
3. Chairman of different administrative and academic committees of the University of Burdwan, Kalyani, Vidyasagar, Gour Banga, Raiganj, Coachbihar & Diamond harbor Women's Universities.
4. Worked as Head of the Dept. of Zoology under Kalyani University from 2012 to 2014 and 2018- 2020
5. Co-Ordinator of Environmental Biotechnology Centers (ENVIS), University of Kalyani (2017 - 20).
6. Chairman, Establishment Committee, University of Kalyani (2016-2020).

7. **Director, Recruitment Board**, University of Kalyani (2018-2020).
8. **Chairman, Departmental Research Committee**, University of Kalyani (2012- 2020)
9. **Chairman, U.G. and P.G. Board of Studies in Zoology**, University of Kalyani. (2012-2020)
10. **Chairman, Board of Studies Zoology, Distance mode**, University of Kalyani (2018-2020)
11. **Head of the Dept.** in Fisheries Extension under West Bengal University of Animal and Fishery Science, Kolkata (2003-07).
12. Acted as **Co-Ordinator of Examinations** for four years in West Bengal University of Animals and Fishery Sciences from 2002-2006
13. Acted as **Head Examiner in Pisciculture** of West Bengal Board of Secondary Education from (1993-2000).
14. Acted as a **Chief Executive Officer** for fisheries cooperative development under Government of West Bengal at CADC. (1992-2000)
15. Acted as **Fishery Technical Officer** and **In-Charge of Fishery** Section at CADC, under Planning and Development cell, Govt. of West Bengal. (1987-2000)
16. Expert member at DST (Government of West Bengal) in Project Evaluation, Fisheries and Animal Science.

### **COURSE/MOU FORMULATION**

1. Part of the member in **course formulation in Cyber Law Security at The University of Burdwan started from 9.11.2022.**
2. For Collaborative research, exchange programme, research material, project development in diverse area of Zoological Science **MOU formulation between The University of Burdwan and Zoological Society of India (ZSI)** in 2023.
3. For GNNS laboratory in Burdwan, GLB for a state of art facility for publications, student internship, IRNSS or NavIC software development **MOU formulation between The University of Burdwan and Space Application Centre SAC, ISRO, India** in 2023.
4. For joint publication, data sharing and research **MOU formulation between The university of Burdwan and Shivaji University, Kolhapur, India** in 2021.

### **RECEIVED AWARDS/RECOGNATIONS**

1. Received the **Doctorate in Science (D. Sc.)** in Science and Technology (Zoology) award in 2021 under Berhampur University, Odisha.
2. Received “*Lifetime achievement*” award by Global warming Reduction Centre (Kolkata Chapter) on 11<sup>th</sup> May, 2023.
3. Received “*Dynamic Achiever Award 2023 as Environmental Scientist*” by International Benevolent Research Foundation and World Achievers Foundation, Kolkata on 12<sup>th</sup> January 2023
4. Tally Academic “*Shera Sikriti Award as Aquatic Scientist*” of the year 2022.
5. “*Shiksha Gourav Award 2022*” by International Benevolent Research Foundation, Kolkata
6. Received Fellowship Award by Bangladesh Zoological Society, Dhaka, 2022.
7. Received “*Certificate of Excellence*” on the occasion Shiksha Sanman 2021 by Rotary club of Burdwan South for outstanding results and conduct in the field of Education, maintaining high ethical standards of competence & good practice.
8. Received the **Fellow award of Aquaculture** Society of Nepal in 2021.
9. Received *Lifetime Achievement award, 2021* from Confederation of Indian Universities, New Delhi.
10. Received “*Fellowship of GESA (FGESA)*” on the occasion International (Web)Conference on Recent Advances in Aquaculture (RAFA 2021), organized by Global Environment & Social Association, New Delhi.
11. Received *Lifetime Achievement Award* from Confederation of Indian Universities. New Delhi. Given at Higher Education and Research Summit 2021 on 5<sup>th</sup> September, 2021 at The Westin, Kolkata, West Bengal.
12. Received “*Biodiversity Conservation Award 2019*” from International Benevolent Research Foundation Kolkata. Given at 6<sup>th</sup> International Conference on Environment and Ecology at University of Allahabad, Prayagraj, Uttar Pradesh on 24<sup>th</sup> February 2020.

13. Received "*Clean Environment Education and Promotion Award 2018*" in 2<sup>nd</sup> World Clean Environment Summit.
14. Received "*Swami Vivekananda Excellence Award*" in the year of 2017 from the Confederation of Indian Universities, New Delhi.
15. Received "*Bharat Sikha Ratna Award*" in the year 2016 from the Confederation of Indian Universities, New Delhi.
16. "*Eminent scientist of the year 2015*" award received from ICEE, Kolkata & Association of Indian Universities, New Delhi, March 2016 at Bharathir University, Coimbatore, Tamil Nadu.
17. Fellow award from Zoological Society of India (Cal), FZS (Cal) received in 2015.
18. "*Dr. G. K. Kulkarni Gold Medal Award*" in Aquaculture and Fisheries, 2013.
19. "*Dr. V.R.P. Sinha Gold Medal Award, 2012*" for outstanding research and contribution in the field of Limnology from Zoological Society of India.
20. Award received on outstanding contribution on Indian Fish and fisheries from Zoological Society of India in 2011

### **FELLOW/LIFE MEMBER**

1. Society for Science and Environment (FSSE), Bhopal
2. Zoological society of India (FZSI), Budhgoya
3. Association of Aqua culturists CIFA, Bhubaneswar.
4. Society for Environment and Biological Association (SEBA), Kolkata. (v) West Bengal Vigyan Mancha.
5. Zoological society of India, Kolkata.
6. International Foundation for Environment and Ecology. (viii) Central Calcutta Society and Cultural Organization for Youth. (ix) Fellow of Zoological Society of Indian,
7. Fellow of Zoological society of Kolkata.
8. Fellow of Global Environment & Social Association, Prayagraj, Allahabad
9. Fellow of Nepal Aquaculture Society, Katmandu, Nepal
10. Fellow of Zoological Society, Odisha
11. Fellow of Society for Environment, Uttarakhand, Haridwar
12. Life Member, Global Warming Reduction Centre
13. Life Member, The Geological Association of Burdwan

### **NATIONAL/INTERNATIONAL CONFERENCES**

- ❖ National Seminar and Conferences attended and presented papers: - 140.
- ❖ International seminar attended and presented papers: - 40
- ❖ Charring Session in different National & International Seminar: - 80

### **INVITED TALK DELIVERY/CHAIRING SESSION**

- ❖ 9<sup>th</sup> International Conference on Environment and Ecology 2023 of the University of Burdwan.
- ❖ Global Warming Reduction Centre, Kolkata in 2023.
- ❖ Academy of Science and Research, Kolkata in 2023.
- ❖ International Benevolent Research Foundation and World Achievers Foundation, Kolkata on 12<sup>th</sup> January 2023.
- ❖ International Benevolent Research Foundation, Kolkata.
- ❖ Bangladesh Zoological Society, Dhaka, 2022.
- ❖ Received "Certificate of Excellence" on the occasion Shiksha Sanman 2021 at Rotary club of Burdwan South for outstanding results and conduct in the field of Education, maintaining high ethical standards of competence & good practice.
- ❖ Aquaculture Society at Nepal in 2021. Received Fellow award.
- ❖ Confederation of Indian Universities, New Delhi. Received award of 'Lifetime Achievement award, 2021'.
- ❖ International (Web) Conference on Recent Advances in Aquaculture (RAFA 2021), organized by Global Environment & Social Association, New Delhi.

- ❖ Confederation of Indian Universities. New Delhi. Given at Higher Education and Research Summit 2021 on 5<sup>th</sup> September 2021 at the Westin, Kolkata, West Bengal.
- ❖ 6<sup>th</sup> International Conference on Environment and Ecology at University of Allahabad, Prayagraj, Uttar Pradesh on 24<sup>th</sup> February 2020.
- ❖ 2<sup>nd</sup> World Clean Environment Summit.
- ❖ Beach erosion and anthropogenic exploitation at coastal line of Odisha and its effect on Olive ridley sea Turtle Irrawaddy Dolphin and Fish population and measures for conservation at National seminar, Berhampur University, Odisha in 2018
- ❖ International Conference, Kolkata on Advances in Environmental and Agricultural Biotechnology in 2018
- ❖ 21<sup>st</sup> National Conference and AGM of Zoology, held at Lucknow University, Lucknow, U.P.
- ❖ Confederation of Indian Universities, New Delhi, 2017.
- ❖ Confederation of Indian Universities, New Delhi, 2016
- ❖ ICEE, Kolkata & Association of Indian Universities, New Delhi, March 2016 at Bharathir University, Coimbatore, Tamil Nadu.

## RESEARCH INTEREST

Fisheries & Aquaculture, Aquatic & Industrial Pollution, Biodiversity & Conservation Biology, Environmental Pollution, Eco-Toxicology, Environmental Science, Ganga Pollution and its Tributaries pollution, Rural extension and community development, Women empowerment, and Diversified Livestock Agri-aquaculture research. **Editor Chief** in *Indian Journal of Biology* (ISSN-2455-8249), *Environment Ecology* (ISSN -09470-0420) and *Ecology, Environment and Conservation* (ISSN-0971-765x)

## PROJECT DETAILS

1. Studies on low-cost aquaculture development through application of rock phosphate as phosphate fertilizer in fishpond (**Pirates India Ltd, New Delhi, Rs. 200000/-, 2002-04**).
2. Technology transfer cum demonstration farm on duck cum fish farming for imparting training and farm advisory services to schedule caste, Schedule tribe and weaker section of West Bengal (**DST. Govt. of West Bengal, Rs. 900000/-, 2005-07**).
3. Development of value-added aquaculture products from under-utilized fishes (**ICAR, New Delhi, Rs. 1300000, 2003-06**).
4. An Approach to the Possible Mechanisms of Hypertension and the efficacy of some Herbal Medicine for the Treatment of Stroke and other Complicated Cardiovascular Diseases of the Santal Tribal People of West Bengal (**UGC, Rs. 1500000/-, 2004-07**).
5. Cloning and developmental expression of the cytochrome 450 aryltransferase gene cyp19 in a Carp *Labeo Rohita* (**DST. Govt of India, Rs. 3270000, 2015-18**).
6. Study on the fish faunal biodiversity with ecological status of water bodies of Nadia North 24 Parganas districts of West Bengal (**Biodiversity Board, Dept. of Environment, Govt. of West Bengal, Rs. 600000, 2017-20**).
7. Studies on the ecological status of East Kolkata with special reference to effect of Tannery Effluent on Fish Food organisms (**DST. Govt of West Bengal, Rs. 1842400, 2016-21**).

## SELECTED PUBLICATION

1. Das, P.K.M., A.K. Panigrahi and S.K. Konar, (1985). Effect of Accidental and spillage of petroleum product on Terrestrial and Aquatic Ecosystem. *Environ. & Ecol.* 3: 603-611
2. Panigrahi, A.K. and S.K. Konar, (1986). Effects of Mixture of Petroleum Refinery Effluent and Anionic Linear Alkyl Benzene Sulfonate Detergent on Fish. *Environ. & Ecol.* 4
3. Panigrahi, A.K. and S.K. Konar, (1987). Sub lethal Effects of Mixture of Petroleum Refinery Effluent and Anionic surfactant Parnol J on Fish. *Environ. & Ecol.* 4: 736-740
4. Panigrahi, A.K. and S.K. Konar, (1989). Impact of Different Industrial Effluents on Hooghly Estuary Ecosystem with Reference to oil Refinery at Haldia, West Bengal. *Environ. & Ecol.* 7: 57-61.
5. Panigrahi, A.K. and S.K. Konar, (1990). Sub lethal Effects of Mixture of crude Petroleum oil and Anionic Detergent on Fish. *Environ. & Ecol.* 8: 877-882.

6. Panigrahi, A.K. and S.K. Konar, (1992). Pollutional Impact of Petroleum Refinery Effluent in presence of Nonionic Detergent of Aquatic Ecosystem. *Environ. & Ecol.* 10: 92-96
7. Panigrahi A.K. and R. N. Das. (2000). Pollutional impact of Industrial effluents on Hooghly estuary at Haldia. W.B., India. *Waste Recycling and Resource Management in the Developing world*, pp. 407-410.
8. Chakraborti, A. and A.K. Panigrahi, (2000). Integrated Aquaculture, Viability and prospects in Indian Conditions – pin – fish integration. *Livestock international*, Vol. 4 (2), 8-12. pp. 2000
9. Panigrahi A.K. and A. Chakraborti, (2000) Role of bottom grazing fishes in enhancing the pond fertility in pig-cum-catfish Farming. *Journal of Ecol. Env. & cons.* Vol 8 (2).
10. Panigrahi A.K., B. Halder, R.K. Trivedy and B. Goswami, (2003). Hydrobiological study on an ox-bow lake with reference to fish production. *Environment and Ecology* 21: 22-24.
11. Panigrahi A.K., B. Goswami, S.S. Dana and B. Halder, (2003). Impact of Dairy and Cattle Effluents an ecological condition of Shanti Jheel at Haringhata. *Environment and Ecology* 21: 20-21.
12. Barman R.C., S.S. Dana and A.K. Panigrahi, (2004) Information sources utilization of beel users for sustainable development of beel fisheries *J. Environ. & Sociobiol.* 1 (1 & 2): 91-94.
13. Panigrahi. A.K. (2006) Prevailing constraints for development of fishermen's co-operative society in West Bengal. *J. Environ and Sociobiol.* 3(2):121-123.
14. Panigrahi, A.K. P.K. Bandyopadhyay and Sarbani Dutta (Roy). (2009) Studies on Indigenous ornamental fish species with reference to Entrepreneurship Development in some district of West Bengal. *J. Environ and Sociobiol.* 6(1): 7-10.
15. Dutta, C., Panigrahi, A.K. and Sengupta, C., (2010) Microbial Pathogens Diversity in Sewage Fed Bheris and Flood Plain Wetlands of West Bengal, India in Relation to Public Health. *World Journal of Fish and Marine Sciences* 2 (2): 99-102.
16. Dutta, C., Saha, D. Panigrahi, A.K. and Sengupta, C. (2010) The occurrence of *Escherichia coli* in fish samples isolated from different ponds of Nadia District, West Bengal, India. *International Journal of Food Safety*, Vol. 2, 2010, P- 181-186, ISSN no – 1903-0670
17. Panigrahi, A.K. and Kundu, A. (2011) ITK Adopted by the Fish Farmer to Control Diseases and Pest of Fishes. *Journal of Environment and Sociobiology*, 8(2).
18. Bakshi.A, Panigrahi, A.K. (2012) Studies on pollutional load and its effects on the diversity of fish food and fish-food organisms in Churni River, West Bengal- A survey. *Environ. Life Sci* (2012) 101-109.
19. Panigrahi, A.K. (2013) Effect of Mahua Oil cake on blood parameters of carps; *Catla catla*, *Labeo rohita*, *Cirrhinus mrigala*. *Journal of Asian Academic Research*. Vol:16(1).
20. Biswas. B. C., Panigrahi. A. K. (2014) Impact of Pollutional Load on Ichthyofaunal Diversity of Mathabhannga River At-Chuadanga District in Bangladesh. *Int. Res. J. Biological Sci.*, Vol. 3(12), 10-15.
21. Biswas, B.C., Panigrahi A.K. (2015). Impact of pollution on the Ecology of a Wetland in South Western Part of Bangladesh. *IJSRD International Journal for Scientific Research and Development* 3 (4).
22. Mondal, J., Panigrahi, A.K., Khuda-Bukh, A.R. (2015) Poly (Lactic-Co-Glycolic Acid)-Loaded Boldine Nanoparticles Alleviates Cisplatin Induced Hepatotoxicity in Normal Liver Cells In Vitro Via DNA Targeting: Drug-DNA Interaction. *International Journal of Therapeutic Applications*. ISSN 2320-138X. 2015.
23. Nandy, L., Panigrahi, A.K. (2015) Study on certain fungal diseases of indigenous fishes of river Churni, West Bengal. *Bioglobia* Vol.2 (2).
24. Bakshi.A. Panigrahi. A.K., Mondal. A. (2016) Seasonal Variation of aquatic diversity of a lotic ecosystem – a case study of River Churni, West Bengal. *International Journal of Applied and Pure Sciences and Agriculture*, 2 (7).
25. Bakshi A., A.K. Panigrahi. (2018) A comprehensive review on chromium induced alterations in freshwater fishes. *Toxicology Reports* 5 (2018) 440–447.
26. Gupta, S., Guha, P., Majumder, S., Pal, P., Sen, K., Chowdhury, P., Chakraborty, A., Panigrahi, A.K. and Mukherjee, D., (2018) Effects of bisphenol A (BPA) on brain-specific expression of



- cyp19a1b gene in swim-up fry of *Labeo rohita*. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 209, 63-71.
27. Dutta, C., Manna, S. K., Panigrahi, A. K. and Sengupta, C., (2018) Microbiological Quality of Fish and Shellfish, with Special Reference to *Vibrio parahaemolyticus* in Domestic Markets of West Bengal, India. *International Journal of Current Microbiology and Applied Sciences*, 7 (10).
  28. Rahaman A.R.Md. M. and Panigrahi A.K. (2019) Prevalence of hypertension and dietary correlation with blood pressure in the Islamic community of the district Murshidabad and adjoining areas. *International Journal of Biology*,
  29. Panigrahi A.K. and Pattnaik.S (2019) Monitoring of Hydrochemical profile of lower stretches of River Damodar, India. *Uttar Pradesh Journal of Zoology*, ISSN NO: 0256-971X(P)
  30. Nandi, L., Maitra, N., Manna, S.K. and Panigrahi, A.K., (2019). Phenol Tolerance of Bacteria-a Case of Spontaneous or Adaptive Mutation. *Int. J. Bio. Sci*, 15, pp.110-119
  31. Paul, I., Panigrahi, A.K., & Datta, S., (2020) A New dimension for empowerment of rural women through intervention of small-scale integrated duck-cum-fish farming in homestead ponds. *Bulletin of Environment, Pharmacology and Life Sciences*, 10(10).
  32. Mahanayak, B., and Panigrahi, A. K. (2021) Water Quality Parameters, checklist of fishes and sustainable management of Aquatic resources in Floodplain wetlands: the study of Solua beel and paharpur fcs of murshidabad district of West Bengal, India. *Uttar Pradesh Journal of Zoology*. 42(24): 609-618.
  33. Ghosh, P., & Panigrahi, A. K. (2023). Evaluation of water quality of Mundeswari River in eastern India: a water quality index (WQI) based approach. *Journal of Applied and Natural Science*, 15(1), 379-390.
  34. Das, S., Dey, S., Ghosh, D.D., Panigrahi, A. K. (2023). Comparative study on physico-chemical parameters of water, zooplankton and macrophytes diversity under the exposure of farm-made prebiotics in a semi-intensive aqua-farming system. *Environment and Ecology* 41(4), 2411—2421

#### BOOK PUBLISHED

1. Vision of Environmental Sustainability, 2021 (ISBN-978-93-88879-80-4)
2. Macher Chaser Somosya o Pratikar (ISBN-81-86966-53-6)
3. Life Skills Education perspectives, practices, and challenges in Kolkata International Book Fair 2023.
4. Inclusive Education in Kolkata International Book Fair 2023.
5. Modern Trends in Aquaculture Technology on 2023 (Lambert Academy technology , London ISBN-978-620-6-16685-6)
6. Empowerment of Woman Challenges and Opportunities, 2023 (Writers Row Publication, Bangalore, ISBN- 978-93 9558328-2)
7. Women's Empowerment Challenges and Strategies, 2023 (Writers Row Publication, Bangalore , ISBN-978-93-95583-29-9).

#### REFERENCES

1. Prof. T.V. Kattimani, VC, Central tribal University of Andhra Pradesh, Vizianagaram-535003, AP, India; Email: [tvkattimani@gmail.com](mailto:tvkattimani@gmail.com), Mobile No: 8922296044/9599292424.
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