

CURRICULUM VITAE

1. Name in full : DR. SURYA KANTA SAU

2. Designation : Assistant Professor, Department of Aquaculture,
Faculty of Fishery Sciences, West Bengal
University of Animal and Fishery Sciences,
Panchasayar Road, Kolkata-700094

3. Educational Qualifications:

Name of the Examination Passed	Name of the Board/University	Year Passed	Class	% of Marks	Subjects studied
Higher Secodary (10+2)	WB Council of Higher Secondary Education	1997	1 st	75.90	Biology, Chemistry, Physics, Mathematics, English and Bengali
Bachelor of Fishery Sciences (B.F.Sc.) – four years	WB University of Animal & Fishery Sciences, Kolkata	2001	1 st	81.25	All subjects of B.F.Sc. under ICAR syllabus
Master of Fishery Sciences (M.F.Sc.)	Central Institute of Fisheries Education, Mumbai	2003	1 st	86.30	All subjects of M.F.Sc. (Freshwater Aquaculture) under ICAR syllabus.
National Eligibility Test(NET)	Agricultural Scientist Recruitment Board (ICAR), New Delhi	2012	Qualified		
Doctor of Philosophy (Ph. D.)	Vidyasagar University, WB.	2016	Awarded		

4. Present Employment Details:

Name of the employer	Post held	Period of Employment	Nature of Works
Director of Fisheries, Govt. of West Bengal	Fishery Extension Officer	01/10/2004 to 30/09/2019	Administrative and sound practical experiences on fish hatchery operation and management, fish farm designing, fish farm management, feed formulation, fishery scheme formulation etc. Conducting Fish farmers training on different fish culture practices under the scheme of NFDB, ATMA, RKVY, FFDA, KCC etc. Special attention given on controlling of any fish diseases out break.
Vice Chancellor, West Bengal University of Animal and Fishery Sciences, Kolkata	Assistant Professor	01/10/2019 to till date	Teaching, research and extension works.

5. Students guided

- a. No of Master Degree Students (MFSc) guided as Supervisor ---- Three
- b. No of Master Degree Students (MFSc) guided as Co-Supervisor ---- Thirteen

6. Research Interest:

1. Finfish and Shellfish Culture techniques and breeding
2. Sustainable aquaculture methods
3. Fish Nutritional studies
3. Upliftment of Fishermen Socio-Economic conditions

7. Awards / Fellowship:

1. I was awarded **National Talent Scholarship** during my Higher Secondary (10+2) study from the West Bengal Council of Higher Secondary Education, West Bengal
2. I was awarded **National Talent Scholarship** during my Bachelor of Fishery Sciences (B.F.sc.) course work from the Education Department, Govt. of West Bengal.
3. I was awarded **Institutional Research Fellowship** during my Master of Fishery Science (M.F.Sc.) from the Central Institute of Fisheries Education, Mumbai, Maharashtra.
4. I was qualified **National Eligibility Test (NET), 2012** by ICAR, New Delhi.

8. Membership of Scientific Societies

1. Life Time Member of Association of Aquaculturist, Bhubaneswar, Orissa.
2. Life Time Member of Inland Fisheries Society of India, Barrackpore, West Bengal

9. Training/Symposium/workshop attended

1. International symposium on Fish for **Nutritional Security in the 21st Century** held at CIFE, Mumbai during December 4-6, 2001.
2. Training programme on **Aquaculture Engineering** held at CIFA, Bhubaneswar during June 11-15, 2002.
3. Training programme on **Ornamental Fish Breeding and Culture for Entrepreneurship Development** held at CIFA, Bhubaneswar during September 17-20, 2002.
4. National Workshop-cum-training programme on **Application of Bioinformatics and Statistics in Aquaculture** held at CIFA, Bhubaneswar during February 4-7, 2003.
5. Fisheries Training and Extension Programme on **Recent Advances in Aquaculture with Special Emphasis on Magur Breeding and Culture** held at State Fisheries Training Centre, Kulia, Kalyani, Nadia under the Department of fisheries, Aquaculture, Aquatic Resources & Fishing Harbour during August 6-20, 2007.
6. International Level Seminar on Problem and Prospects of Coastal Aquaculture and Application of Biotechnological Tools for rural development, organized by Department of Aquaculture Management and Technology, Vidyasagar University, Midnapore-721102, West Bengal during March 1-3, 2013.
7. **Presented a research paper** entitled “ Constraints faced by the fishermen co-operative societies of Paschim Medinipur district, West Bengal, India” in technical session II of the International Level Seminar on Problem and Prospects of Coastal Aquaculture and Application of Biotechnological Tools for rural development, organized by Department of Aquaculture Management and Technology, Vidyasagar University, Midnapore-721102, West Bengal during March 1-3, 2013.
8. UGC- Sponsored National Symposium on **Bio Resource Management**, organized by Faculty of Science, Vidyasagar University, Midnapore-721102, West Bengal, India during April 26-27, 2016.
9. Training program on “Advances on Fish/Shrimp Health Management” organized by NSPAAD, Department of Aquatic Animal Health, Faculty of Fisheries Science, WBUAFS and Department of

Fisheries, Aquaculture, Aquatic Resources and Fishing Harbours, Govt. of West Bengal at Technological Station, Junput, Midnapore (E) during September 20-22, 2016.

10. Professional Skills Acquired

During the Course Work

- Water and soil quality analysis for aquaculture
- Fish and shell fish breeding and culture
- Fish farm and hatchery design
- Fish and shellfish feed formulation techniques
- Fish and shellfish diseases diagnosis techniques (PCR, ELISA, Immunological tools)
- Biotechnological techniques (DNA and RNA isolation, Western Blotting, DNA fingerprinting, cryopreservation etc.)

During the Research Works

- Analysis of proximate composition of fish body and fish feeds
- Synthetic feed preparation and storage
- The **HPLC** operation techniques and sample preparation methods
- Use of spectrophotometer and water analysis kit
- Preparation of interview questionnaire for Socio-Economic Study of the fishermen cooperative societies

11. Major Achievements in Research/ Teaching/ Extension

Detailed Tasks Assigned on fisheries research	Dietary vitamin E requirement of rohu (<i>Labeo rohita</i>) fry with the help of HPLC. Assessing the present status of fishermen's cooperative societies of Paschim Medinipur District, West Bengal.
Sustainable Fishery/aquaculture Development/extension education and teaching, Skill Assessment & Market survey	Formulation, execution and monitoring of latest aqua cultural schemes through farm visits, DCs, Trainings, field trips, organizing debate, competition etc among farmers, fisheries resources management, practical field experience in culture, hatchery, processing and feed marketing of shrimp, prawn and finfish of commercial importance.
Formation, Registration restoration, Election and Governance of cooperative society/SHGs/groups	Formation and registration of Fishermen's cooperative society and conducting election and governance of the society as Chief Executive Officer and also monitoring SHGs, FPGs, JLGs, farmers clubs.
Development of Training Module and Trainings, Establishment of Enterprises, Critical Management Support in enterprises' operation, Documentation and final reports	Block level Fish farmers training on different fish culture practices under the scheme of NFDB, ATMA, RKVY, FFDA, KCC etc. Special attention given on controlling of any fish diseases outbreak.
Fisheries Baseline Survey, Social Mapping, Awareness Campaign.	GIS mapping of water resources, census, socioeconomic survey, celebrating /organizing Fish Farmers Day and Wet Land Day observations, executing social schemes like fishers ID card, old age pension, housing, student scholarship etc

12. List of Publications (National/ International)

Research Publications

1. **Sau S. K.**, Paul B.N., Mohanta K.N. and Mohanty S.N. (2004). Dietary vitamin E Requirement, fish performance and carcass composition of rohu (*Labeo rohita*) fry, *Aquaculture*, 240: 359-368. <https://doi.org/10.1016/j.aquaculture.2004.02.008>
2. **Sau, S.K.**, Sar, U.K. and Patra, B.C. (2012). Constraints faced by the fishermen cooperative societies of Kharagpur Sub-Division of Paschim Medinipur District, West Bengal, *Environment and Ecology*, 30(3): 501-504.
3. **Sau, S. K.**, Sar, U.K. and Patra, B.C. (2013). An analysis of the Non- fisheries activities of the Cooperative fishermen of Paschim Medinipur District, West Bengal, India, *Environment and Ecology*. 31(1): 80 – 83.
4. Das Sangita, **Sau S.K.**, Dasgupta, M. and Trivedi R.K. (2013). Diversity, Abundance and Fluctuation of Benthos of an Ox-Bow Lake of Jungle Beel, Nadia District, West Bengal, India. *Environment and Ecology*, 31(1A):318 – 321.
5. **Sau, Surya Kanta**, Patra, B. C. and Sar, U.K. (2013). Constraints faced by the fishermen cooperative societies of Paschim Medinipur District, West Bengal, India. *In: Proceeding of International Level Seminar on “Problems and Prospects of Coastal Aquaculture and Application of Biotechnological Tools for Rural Development, March 1-2, 2013. Pp- 156-162.*
6. Das Sangita, **Sau Surya Kanta**, Dasgupta, M. and Trivedi R.K. (2013). Diversity, abundance and fluctuation of plankton of eel (*Monopterus albus*) culture tank at regional research station, NAZ, Gayeshpur, Nadia, WB. *International Journal of Advanced Biotechnology and Research*, 4(2): 236-240.
7. Das S., **Sau S. K.**, Dasgupta, M. and Trivedi R.K. (2014). Fluctuations of Plankton population in Ox-Bow lake in Nadia District (West Bengal), *Journal of the Inland Fishery Society of India*, 46(1): 76-83.
8. Purkait Soumyadip, Karmakar Sutanu, Choudhury Supratim, Mali Prasenjit and **Sau Surya Kanta**. (2020). Impact of Novel Coronavirus (COVID-19) pandemic on Fisheries Sector in India: A Minireview. *Ind. J. Pure App. Biosci.* 8(3), 487-492. <http://dx.doi.org/10.18782/2582-2845.8179>
9. Bardhan Avishek, **Sau S. K.**, Khatua Sanjib, Bera Madhabendu and Paul B. N. (2021). A Review on the Production and Culture Techniques of Monosex Tilapia. *Int. J. Curr. Microbiol. App. Sci.* 10(01): 565-577. <https://doi.org/10.20546/ijcmas.2021.1001.069>

Other publications

1. **Sau Surya Kanta** and Mukhopadhyaya, P.K. (2003). Role of Selenium in Aquaculture, *Fishing Chimes*, 23(6): 9-11.
2. Biswas G., **Sau Surya Kanta** and Saurabh S. (2003). Pen Culture and its Uses in Indian Aquaculture, *Fishing Chimes*, 23 (9): 7-9.
3. **Sau Surya Kanta** and Paul B.N. (2004). Overview of fat soluble vitamins in Aquaculture, *Fishing Chimes*, 24(7): 28-30.

13. Personal Information

Date of Birth : 25th March, 1978
Father's Name : Late Satya Kinkar Sau
Marital Status : Married
Nationality : Indian
Language Known : Bengali, English, Hindi, Oriya.
Computer knowledge : Microsoft Office and Disc Operating Systems
Permanent address : Village- Rabindra Nagar, P.O.+ P.S.- Belda, Dist.-
Paschim Medinipur, West Bengal, PIN-721424

I do hereby declare that all the information given in my carriculum vitae are true and correct to the best of my knowledge and belief.

Dated:

(DR. SURYA KANTA SAU)