

## FACULTY MEMBER ACADEMIC PROFILE

1. **Full name of the faculty member:** Prof. Sangram Keshari Rout
2. **Designation:** Professor
3. **Specialisation:** Aquatic environment monitoring and biodiversity study
4. **Contact information:** Mail ID: skrout68@gmail.com  
Phone No.: 08100682955.



### 5. Academic qualifications:

College/ university from which the degree was obtained	Abbreviation of the degree
Kendrapara College, Kendrapara, Odisha	I.Sc
College of Fisheries, OUAT	B. F. Sc.
College of Fisheries, OUAT	M. F. Sc.
Kalyani University, Kalyani, West Bengal	Ph.D

### 6. Positions held/ holding or Work Experience:

 Professor (19-01-2013 – till date)

7. **Membership of Learned Societies:**
- (i) Life member of Inland Fisheries society of India
  - (ii) Life Member of Association of Aquaculturists, CIFA

### 8. Seminar / symposia/course Organised:

SL No.	Name of the Programme	Title of Conference / Seminar	Date & Duration
1.	Fish farmer's training programme	Urban Water Resource Management	26 <sup>th</sup> March, 2011. 1 day. VCI, WBUAFS.
2.	Workshop	Expert Consultation on Climate Resilient Aquaculture Strategies for Indian Sundarban	25 <sup>th</sup> March, 2015. 1 day. VCI, WBUAFS.

### 9. Invited lectures delivered:

SL No.	Title of Lecture / Academic Session	Title of Conference / Seminar	Organized by
1.	Shrimp farming practices	Skill upgradation of fisher folks on Aquaculture practices and Post Harvest Techniques	DREF, WBUAFS

### 10. Conference/ seminar attendant:

SL NO.	Title of Conference / Seminar	Organized by
1.	International symposium on "The Current Excitement in Biology"	CCMB (CSIR), Hyderabad
2.	National Symposium on "Genetics and Gene banking of fish and shellfish."	CIFE (ICAR) Mumbai
3.	Workshop on "Present status of Induced breeding and its impact on Aquaculture"	WBUAFS, Mohanpur
4.	Seminar on "Fish and its Environment"	Kalyani University, Kalyani
5.	National conference on Aquaculture and steps to maintain high production.	WBUAFS, Calcutta
6.	National Seminar on Marine & Estuarine Biodiversity	CCSCOEY, Kolkata
7.	National Symposium & XXI Annual Conference of Indian Association of Veterinary Pathologist	WBUAFS, Kolkata
8.	21 <sup>st</sup> All India Congress of Zoology. National Seminar on Biodiversity Conservation with special Reference to Fisheries and its Management for Food, Livelihoods and Environmental Security & 2 <sup>nd</sup> National Helminthological Congress.	CIFRI, Barrackpore

9.	Urban water resource Management	Belgachia University Campus
10.	International training programme for Cambodian fish farmer on "Freshwater Fish seed production and nursery rearing in West Bengal, India" International training programme for Cambodian fish farmer on "Freshwater Fish seed production and nursery rearing in West Bengal, India"	WBUAFS, Kolkata
11.	PAF congress on 'Public private partnership in aquaculture and culture based fishery'.	CIFRI, Barrackpore
12.	Fish Farmers training on Climate Resilient Aquaculture for Sundarban.	Basanti, Sundarban
13.	Bengal Fish Festival 2015	Nalban Food Park, Salt Lake, Kolkata
14.	Advance Practices in Fish/Shrimp Health Management for Sustainable Aquaculture	Faculty of Fishery Sciences, WBUAFS, Chakgaria, Kolkata

### 11. Other notable activities:

- As member of the committee to frame Academic Rules & Regulations was instrumental in making the new Academic Rules of the university.
- Conducted a portion of rapid Environmental Impact Assessment (EIA) for the 2<sup>nd</sup> NTPC plant at Vishakhapattanam (AP) on honoree basis
- Conducted rapid Environmental Impact Assessment (EIA) for the Indian oil plant at paradwip (Odissa) on honoree basis

### 12. Publication:

#### a. National Publication:

Sl	Name of the article	Name of the Journal	Year of publication	Page nos.	NASS rating
1	Canal: A prospective inland fishery source of Bihar.	J. Fishing Chimes.	1999	24-25	-
2	Chemical control of filamentous bacterium Leucothrix mucor in a commercial Penaeus monodon hatchery.	J. Envvn. Ecol.	2001	686-689	4.18
3	Variations of plankton population of two hill streams of the Darjeeling district, West Bengal.	J. Envvn. Ecol.	2003	50-53	4.18
4	Impact assessment of the surroundings on water quality of Kulia beel	J. Envvn. Ecol.	2003	54-58	4.18
5	Conservation of mangroves: need of the hour	J. Fishing Chimes.	2003	47-49	-
6	Present status of biogas plants in Chandannagar sub-division of the district Hooghly, West Bengal and use of their slurry as aquaculture manure.	J. Envvn. Ecol.	2003	25-28	4.18
7	Characterisation of an EST marker to study polymorphism in Catla catla (Ham) through PCR genotyping.	J. Interacad.	2004	589-594	-
8	Nutrient composition of water hyacinth from three shallow water bodies.	J. Inland Fish. Soc. India,	2004	57-60	4.54
9	Characterisation of an expressed sequence tag (EST) marker in cross-species	J. Aquacult	2005	121-124	-

	amplification of carps				
10	Biomonitoring of Kulia beel, a flood plain wet land, using benthic macro invertebrates.	J. Aquaculture,	2005	93-99	-
11	Characterisation and genomic organization of immunoglobulin variable light chain in Indian major carps.	J. Aquacult.	2005	33-38	-
12	Conservation of Indian Threatened Ichthyofauna- Immediate Implications.	J. Fishing Chimes.	2007	40-44	-
13	Assessment of Physico-chemical status of a closed beel of Kalyani industrial area of West Bengal.	Proc. On the National Seminar on Limnology	2007	404-406	-
14.	Role of Probiotics on water quality management.	Environmental Biotechnology	2007	393-412	-
15.	Physico-chemical features of the two hill streams of Darjeeling	J. Inland Fish. Society, India	2008	115-120	4.54
16.	Sediment characteristics of hill streams of Darjeeling.	J. Inland Fish. Society, India	2008	145-147	4.54
17.	Water quality characteristics in controlled production of ornamental fishes as influenced by feeding a probiotic bacterium, Lactobacillus sp. bioencapsulated in Artemia sp.	Indian J. Fish.	2009	283-286	-
18.	Social impact assessment (SIA) of certain coastal aquaculture projects of West Bengal.	J. Inland Fish. Soc. India	2010	35-41	4.54
19.	Status of Protozoan parasites and its role in biomonitoring in a flood plain wet land at Kalyani industrial area, West Bengal	J. Exp. Zool. India	2010	5-8	5.51
20.	Sediment charecteristics of Kalyani lake: A recreational aquatic ecosystem in Nadia district, West Bengal.	J. Exp. Zool. India	2010	1-4	5.51
21.	Immunological responses in an exotic carp, Cyprinus carpio exposed to fish processing waste	J. Exp. Zool. India	2010	25-27	5.51
22.	Biomonitoring approaches through protozoan parasites in a flood plain wet land (Mathura Beel) in districts of Nadia and 24 Parganas of West Bengal, India	J. Exp. Zool. India	2010	19-24	5.51
23.	Use of plankton in Biomonitoring of Mathura Beel, a flood plain wet land in districts of Nadia and 24 Parganas of West Bengal	J. Exp. Zool. India	2010	13-18	5.51
24.	Ecological assessment of a floodplain wet land through macrophytic study	J. Exp. Zool. India	2011	57-58	5.51
25.	Mollusc and fish diversity of Pagladia river: A tributary of river Bharmaputra,	J. Exp. Zool. India	2011	65-67.	5.51

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26.	Sediment charecteristics of three diversified water bodies of Nadia district, West Bengal	J. Exp. Zool. India	2011	69-72	5.51
27.	Biomonitoring approaches using benthic macro invertebrates in three diversified aquatic ecosystems in and around Kalyani city, Nadia district, West Bengal.	J. Exp. Zool. India	2011	59-63	5.51
28.	Seasonal Variations of physicochemical parameters and quantitative analysis of plankton of three water bodies of East Kolkata, West Bengal	J. Exp. Zool. India	2011	73-79	5.51
29.	Mollusc and fish diversity of Pagladia river: A tributary of river Bharmaputra, assam	J. Exp. Zool. India	2011	65-67	5.51
30.	Nutrient dynamics of some inland water bodies of East Kolkata, West Bengal.	J. Exp. Zool. India	2012	23-26	5.51
31.	Plankton diversity study of river Pagladia: A tributary of river Bharmaputra, Assam	J. Exp. Zool. India	2012	17-21	5.51
32.	Effect of human behaviour on aquatic environment: a case study	J. Exp. Zool. India	2012	9-16	5.51
33.	Social impact assessment (SIA): an integral part of EIA studies	J. Exp. Zool. India	2012	1-7.	5.51
34.	Growth Performance of Labeo rohita (Hamilton) Fingerlings Exposed in Different Concentration of Sewage Water	Environment & Ecology	2015	1053 - 1056	4.18
35.	Effect of Sub Lethal Concentrations of Processing Waste on Blood Parameters of Labeo rohita Fingerlings	Environment & Ecology	2015	: 804-806	4.18
36.	Immunological Responses in Labeo rohita Exposed to Fish Processing Plant Effluents	Environment & Ecology	2015	860-862.	4.18
37.	Limnochemistry of River Pagladia (a Major Tributary of the Brahmaputra River), Assam	Environment & Ecology	2015	863-866	4.18
38.	Assessment of the Ecological Status of Mathura Beel, a Flood Plain Wetland in Nadia, West Bengal, India by Using Benthic Macroinvertebrates	NeBIO	2015	32-38	-
39.	Response of Anabas testudineus (Bloch, 1792) to salinity for assessing their culture potential in brackish water inundation prone areas of Indian Sundarbans	J. Inland Fish. Soc. India	2015	59-69	4.54
40.	Composite cage culture of exotic carp Barbonymus gonionotus along with three species of Indian major carps in a fresh water pond at Birbhum district in West	Proceedings of the 5 <sup>th</sup> International symposium on cage culture in	2015	152-176	-

	Bengal.	Asia CAA5,			
41.	Limno chemistry and nutrient variations in three diversified lentic water bodies of Nadia district, West Bengal.	J. Exp. Zool. India.	2016	809-814	5.51
42.	Comparative study of muscle proximate composition of <i>Labeo rohita</i> (Ham) exposed to different concentrations of sewage.	J. Exp. Zool. India.	2016	1269 - 1272	5.51
43.	A study on socio-economic profile of fisher community of Madhubani district in Bihar, India.	J. Exp. Zool. India	2016	1419 - 1426	5.51
44.	Impact of sewage on plankton production.	J. Inland Fish. Soc. India,	2016	21-25	4.54
45.	Status of Major nutrients in three lentic ecosystems of Eastern Kolkata, West Bengal.	The Ecoscan	2016	539-542	4.65
46.	Study of Zooplankton population in three ponds of Eastern Kolkata, West Bengal, India.	J. Exp. Zool. India.	2017	255-259	5.51
47.	Study on Hydrological parameters in three lentic ecosystems of Eastern Kolkata.	Environment and Ecology.	2017	2464 - 2472	4.18
48.	Effect of salinity on survivility of different groups of aquatic macrophytes.	J. Exp. Zool. India.	2017	805-810	5.51
49.	Assessing the phytoplankton population of hard water ponds in Eastern Kolkata, India	Environment and Ecology	2017	3087 - 3092	4.18

**b. International Publication:**

SI	Name of the article	Name of the Journal	Year of publication	Page nos.	NASS rating
1	Effects of different dietary lipids on growth and tissue fatty acid changes in fry of the carp <i>Catla catla</i> (Ham).	<i>J. Aquaculture Research</i>	1996	623-630	-
2	Ecosystem based adaptation options against salinity intrusion in freshwater aquaculture system in Sunderban delta of India.	<i>International Symposium on Agriculture and Environment, University of Ruhuna, Srilanka</i>	2013	189-192	-
3	Optimization of Quick Lime (CaO) and pH Application for Nursery Management of Indian Major Carps <i>Catla catla</i> (Hamilton), <i>Labeo rohita</i> (Hamilton) and <i>Cirrhinus mrigala</i> (Hamilton).	International Journal of Advanced Research	2013	213-221	-
4	Median Lethal Salinity (MLS <sub>96h</sub> ) of Two Small Indigeneous Fish Species <i>Amblypharyngodon mola</i> and <i>Pethia</i>	<i>Journal of Aquaculture Research and Development</i>	2014	1-6	-

	<i>ticto</i> from Indian Sundarban				
5	Effect of salinity on survival and growth of giant freshwater prawn <i>Macrobrachium rosenbergii</i> (de Man).	<i>Aquaculture Reports</i> (Elsevier)	2015	26-33	-
6	Assessment of suitability of Processing Effluent discharged from Quality Indian Seafood Exporter: Shimpo Exports, West Bengal India	<i>International research Journal of Biological Sciences</i>	2015	55-58	-
7	Impact of Sewage on Certain Biochemical Profiles of Indian Major carp, <i>Labeo rohita</i> (Hamilton)	<i>International research Journal of Biological Sciences</i>	2015	33-39	-
8	The effect of salinity on survival and growth of the freshwater stenohaline fish spotted snake head <i>Channa punctata</i> (Bloch, 1793).	Zoology and Ecology (Taylor & Francis)	2016	DOI: 10.1080/21658005.2016.1225867.	-
9	Evaluation on the prevailing aquaculture practices in the Indian Sunderban Delta: an insight analysis.	<i>J. Food, Agriculture &amp; Environment</i>	2016	133-141	-
10	Farmers' perception of climate change, impacts on freshwater aquaculture and adaptation strategies in climate change hotspots: A case of Indian Sundarban delta, environmental Development	Elsevier Publication	2017	38-51	-
11	Estimation of Chlorophyll-a Concentration and Trophic status in Nalban Lake of East Kolkata Wetland, India from Landsat 8 OLI data	<i>Spatial Information Research</i>	2017	DOI 10.1007/s41324-016-0069-z	-

**c. Books/ Books chapter:**

<b>Sl. No.</b>	<b>Name of the Book chapter / Booklet</b>	<b>Publisher</b>	<b>Year of publication</b>	<b>Chapter No.</b>
1.	Role of Probiotics on water quality management.	APH pub. Corp., New Delhi..	2007	APH pub. Corp., New Delhi.: 393-412..
2.	Organic Aquaculture – Recent Development and Future Prospects	<i>In: Recent Development in Organic Farming</i> , Orissa University of Agricultural & Technology (OUAT), Berhampur	2011	

Signature of the faculty member