FACULTY MEMBER ACADEMIC PROFILE

1. **Full name of the faculty member**: Dr. SAMARENDRA BEHERA
2. **Designation**: PROFESSOR
3. **Specialization**: FISH BREEDING AND REPRODUCTION
4. **Contact information**: Phone: 9433164210
   Mail ID: samarendrab234@gmail.com
5. **Academic qualifications**:

College/ university from which the degree was obtained	Abbreviation of the degree
Orissa University of Agriculture and Technology (OUAT)	B.F.Sc
Orissa University of Agriculture and Technology (OUAT)	M.F.Sc
Orissa University of Agriculture and Technology (OUAT)	Ph.D.

6. **Positions held/ holding or Work Experience:** PROFESSOR
   W.E: 19 YEARS AND 6 MONTHS

7. **Membership of Learned Societies:** i. INLAD FISHERIES SOCIETY OF INDIA
   ii. ZOOLOGICAL SOCITY OF INDIA
   iii. SOCIETY OF FISHERY TECHNOLOGY

8. **Conference/ Seminar attendant:**

SL NO.	Title of Conference / Seminar	Organized by
1.	NATIONAL CONFERENCE ON "AQUACULTURE AND STEPS TO MAINTAIN HIGH PRODUCTION"	WBUAFS
2.	WORKSHOP ON "PRESENT STATUS OFINLAND BREEDING AND ITS IMPACT ON AQUACULTURE"	FFSC,WBUAFS
3.	SEMINAR ON "17TH WEST BENGAL SCIENCE CONGRESS 2010"	WBUAFS
4.	SEMINAR ON"INLAND FISHERIES SOCIETY OF INDIA AND 21ST ALL INDIA CONGRESS OF ZOOLOGY "	CIFRI
5	PILLAY AQUACULTUREFOUNDATION CONGRESS	CIFRI
6	THE 10TH INDIAN FISHERIES ANDAQUACULTURE FORUM	NBFGR

9. **Other notable activities: AS EXTERNAL EXAMINER IN DIFFERENT FISHERY COLLETES**
   QUESTION SETTER FOR DIFFERENT UNIVERSITIES
   QUESTION SETTER FOR ASRB /SRF/JRF.

10. **Publication:**

Sl. No.	*Name of the article*	*Name of the Journal*	*Year of publn*	*Page nos.*	*Author's position in more authors (1st, 2nd, 3rd etc.)*	*Impact factor / Indexing/ Rank of Journal*
1.	Ozone based treatment for water and waste water.	*Green Technology*	1999	2 (9 &10): 7 – 10.	2nd	----
2.	Standardization of feeding strategies for monoculture of *M. rosenbergii*	*Environ. & ecology.*	2000	18(3):732-737.	2nd	4.09 (NAAS)
3.	Environmental characteristics of a brackishwater pond.	*Wetlands Conservation and Management*	2002.	*Edited* by *B.B. Hosetti*	2nd	**Chapter of the book**
4.	Studies on histo-pathological changes in the tissue of river prawn (*M. malcomsonii*) juveniles suffering from shell disease due to *Aeromonas hydrophila.*	*Journal of Interacadamia*	2003	*7(2):196-201*	1st	3.96 (NAAS)
5.	Use of Neem leaf extract in	*Indian Journal of*	2004	43(1): 61-66.	1st	ISSN 0019-

	controlling bacterial shell disease in *M. malcomsonii* (H. Milne; Edward).	*Animal health,*				5057
6.	Present status and future prospects of a threatened fish *Anabas testudineus* in West Bengal.	*Fishing Chimes*	2004	24(3): *56*	1st	-
7.	On the fecundity of striped Gourami *Colisa fasciatus* (Bloch and Schneider).	*Journal of Inland Fisheries Society of India*	2005	37 (1): 68 – 70	1st	4.42 (NAAS)
8.	Body composition in relation to gonado-somatic index in *Channa striatus* (Bloch).	*J. of Inland Fish. Soc. India*	2007	39(1): 66-67	3rd	4.42 (NAAS)
9.	Length-weight relationship and relative condition factor of Gangetic Bola (*Johnius gangeticus* ;Talwar) from Estuarine region of Kakdwip, West Bengal 40(2): 78-82	*J. of Inland Fish. Soc. India*	2008	40(2): 78-82	3rd	4.42 (NAAS)
10.	Sexual dimorphism and Gonadal development of *Anabas testudineus* reared in captive condition.	*J. Environment and Sociobiology*	2009	6(1) : 73 - 77	1st	e-ISSN 0973-0634
11. **	Probiotic induced immune modulation: Investigation into the cellular and molecular mechanism involved	*Research Journal of Biotechnology*	2009	4(3)	4th	6.24 (NAAS)**
12.	Embryonic and larval development of an ornamental fighting fish, *Betta splendens* under captive condition	*Journal of Experimental Zoology, India*	2011	14(1):1-7	1st	5.51 (NAAS)
13.	Appearance of Shoot Fries During Larval Rearing of *Anabas testudenius*	*Journal of Experimental Zoology, India*	2011	14(1):9-12	1st	5.51 (NAAS)
14.	Histo-pathological study of diseased shrimp (*Penaeus monodon*) cultivated in semi-intensive brackish water farm	*Journal of Experimental Zoology, India*	2011	14(1):13-17	1st	5.51 (NAAS)
15.	The effect of Gynogen (17β-Estradiol) histological changes of an ornamental fish male dwarf gourami Trichogaster lalius (Hamilton, 1822)	*Journal of Experimental Zoology, India*	2011	14(1):19-25	1st	5.51 (NAAS)
16.	Histological study of gonads during breeding season of a threatened fish rainbow snakehead (*Channa bleheri*) in Assam	*Journal of Experimental Zoology, India*	2011	14(1):27-32	1st	5.51 (NAAS)
17.	Effect of human chorionic gonadotropin on the growth of indian river prawn, *Macrobrachium malcolmsonii* (H. Milne Edwards)	*Journal of Experimental Zoology, India*	2011	14(1):33-36	3rd	5.51 (NAAS)
18.	Bacterial load in soil, water and muscle of cultured shrimp (*Penaeus monodon*) causes mortality in semi-intensive brackish water farm	*Journal of Experimental Zoology, India*	2011	14(1):37-40	1st	5.51 (NAAS)
19.	Mortality of shrimps (*Penaeus monodon*) in semi-intensive brackish water cultured ponds due to soil quality deterioration	*Journal of Experimental Zoology, India*	2011	14(1):41-43	1st	5.51 (NAAS)
20.	Comparison of induced breeding	*Journal of*	2011	14(1):45-52	1st	5.51

	behaviour in pond water and tap water of *Anabas testudineus* in the laboratory condition	*Experimental Zoology, India*				(NAAS)
21.	Assessment of threatened category of fish availability in Kolkata based fish market, West Bengal	*Journal of Experimental Zoology, India*	2011	14(1):53-56	2nd	5.51 (NAAS)
22.	Relationship among body weight, Gonad weight, fecundity and egg size of an Ornamental fighting fish, *Betta splendens*	*Journal of Bio Innovation*	2012	1(6):198-204	1st	0.488 (IF)
23.	Histological observation of gonads during breeding and non breeding season of *Trichogaster fasciatus* in shanti Jheel, West Bengal	*Journal of Bio Innovation*	2012	1(6):205-214	1st	0.488 (IF)
24.	Sexual dimorphism and gonadal development of a rare murrel species *Channa Bleheri* (Bleher) in Assam	*The Bioscan*	2013	8(4): 1265-1269	2nd	5.26 (NAAS)
25.	Survivality of Anabas testudineus larvae in different feed, stocking density and water depth	*Journal of Bio Innovation*	2013	2(1(a):1-7	1st	0.565 (IF)
26.	Stress leads to mortality in semi-intensive brackish water shrimps (Penaeus monodon) due to improper pond management	*Journal of Bio Innovation*	2013	2(1(a):8-16	1st	0.565 (IF)
27.	Effect of methyl testosterone (17α-MT) on the phenotypes, bioindices and gonads of adult male dwarf gourami (*Colisa lalia*)	*Emir, journal of Food agriculture*	2014	26(5): 459-464	2nd	6.62 (NAAS)
28.	The Effect of synthetic hormones (17β-Estradiol and 17α- Methyl testosterone) on the Phenotypic, Bioindices and Gonadal Changes of Male of Dwarf Gourami, (*Trichogasterlalius)*	*Uttar Pradesh journal of Zoology*	2014	*34(3):167-172*	1st	3.81 (NAAS)
29.	Socio-economic status of the fishers in reservoirs of Dhaulpur district in Rajasthan	*Uttar Pradesh journal of Zoology*	2014	*34(3):203-209*	6th	3.81 (NAAS)
30.	Length-weight relationships and condition factors of Bombay duck, *Harpodon nehereus* from estuarine region of Kakdwip, West Bengal	*Journal of Bio Innovation*	2015	*4(2):59-66*	1st	0.765 (IF)
31.	The Effect of Gynogen (17β-Estradiol) on the Phenotypic, Bioindices and Gonadal Changes of Male Dwarf Gourami, (*Trichogaster lalius)*	*Journal of Bio Innovation*	2015	*4(2):49-58*	2nd	0.765 (IF)
32.	Length-weight relationships and condition factors of Big eye hilsa, *Ilisha megaloptera* from estuarine region of diamond harbour, West Bengal	*Journal of Innovative Science, Engineering and Technology*	2015	2(5):217-220	2nd	1.5 (IF)

33.	Secondary sexual characteristics and determination of sex of *Trichogaster fasciatus* (bloch and schneider) during breeding and non breeding season	*International Journal of Science, Engineering and Technology*	2015	3(3):520-522	1st	3.59 (IF)
34.	Bioindices and ecology of mrigal *Cirrhinus mrigala* (Hamilton) of Panchasayar waterbody of West Bengal	*International Journal of Science, Engineering and Technology*	2015	3(3):515-519	1st	3.59 (IF)
35.	Evaluation of Soil Quality of Some Reservoir Fisheries in Dhaulpur District of Rajasthan	*International journal of fisheries and aquatic studies*	2015	2(5):01-08	6th	0.352 (IF)
36.	Studies on changes of gonadal materials of *Anabas testudineus* on the basis of histology during non breeding season	*National Journal of Life Sciences*	2015	12(2): 61-64	2nd	4.01 (NAAS)
37.	To Study The Relationship Between The Gonado Somatic Index and The Gasto Somatic Index During Breeding Season of *Labeo Bata* (Hamilton, 1822)	*Indian Journal of Biology*	2015	2(1): 81-85	1st	p-ISSN 2394-1391
38.	Length-weight relationship and relative condition factor of mrigal *Cirrhinus Mrigala* (Hamilton) of Panchasayar Waterbody of West Bengal	*International Journal of sciences and Nature*	2015	6(2): 201-204	1st	3.70 (NAAS)
39.	External morphology and sexual dimorphism of *Anabas testudineus in* natural environment	*International Journal of sciences and Nature*	2015	6(2): 288-292	1st	3.70 (NAAS)
40.	Sex determination of *Anabas testudineous* during non-breeding season on the basis of external morphological characters	*International Journal of Current Research*	2015	7(07): 18057-18059	2nd	6.226 (IF)
41.	Morphometry and meristic counts of Mrigal (Hamilton,1822) of Panchasayar region of West Bengal, India	*Journal of experimental Zoology, India*	2015	18(2):609-613	1st	5.51 (NAAS)
42.	The maturation stages of gonads (testes and ovary) and breeding cycle of an indigenous ornamental fish *Trichogaster fasciatus* (Bloch and Schneider)	*Journal of experimental Zoology, India*	2015	18(2):691-694	1st	5.51 (NAAS)
43.	Effect of 17α Methyltestosterone on the survibility, sex reversal and maturity of fighting fish (*Betta splendens*)	*The Bioscan*	2015	10(1):01-06	2nd	5.26 (NAAS)
45.	Length-weight relationship and condition factor of *Cyprinus carpio var. communis* (Linnaeus) reared in bheries of 24- South Paraganas district in West Bengal	*International Journal of Fisheries and Aquatic Studies*	2015	6(2): 239-242	4th	0.352 (IF)
46.	Stress responces in Rohu (*Labeo rohita*) transported at different densities	*Journal of Aquaulture Report*	2015	2(2015):39-45	5th	Elsevier pub.
47.	Determination of Seasonal Cyclicity	*International*	2015	6(2): 391-	1st	0.352

	of Gonad by Studying Its Histology during Pre-Spawning and Spawning Period of *Anabas testudineus* (Bloch) In Natural Environment	*Journal of Fisheries and Aquatic Studies*		394		(IF)
48.	Study of external sexual characteristics and gonado-somatic Index for determining the breeding season of *Anabas testudineus*	*Uttar Pradesh journal of Zoology*	2015	35(1): 15-20	1st	3.3 (NAAS)
49.	Testicular cyclicity of *Trichogaster lalius* during breeding and non breeding season	*International Journal of sciences and Nature*	2015	6(3): 426-431	1st	3.60 (NAAS)
50.	Length-weight relationship and relative condition factor of mrigal *Cirrhinus mrigala* (Hamilton) reared in bheries of 24- south paraganas district in West Bengal	*Journal of environment and sociobiology*	2015	12(2):201-208	4th	0.342 (IF)
51.	Effect of Male Hormone (17α-Methyl Testosterone) on the Histological Changes of Male Dwarf Gourami *Trichogaster lalia* (Hamilton, 1822)	*Indian Journal of Biology*	2015	2(2) :171-177	2nd	p-ISSN 2394-1391
52.	Courtship behavior and breeding success of climbing perch, *Anabas testudineus* (Bloch) in three different breeding sets with the application of a synthetic hormone (WOVA-FH)	*International Journal of Fisheries and Aquaculture Sciences*	2016	6(1): 1-6	1st	ISSN 2248-9975
53.	Morphometrical and Gonadal Studies of A Threatened Fish, *Anabas testudineus* with Respect to Seasonal Cycle	*International Journal of Fisheries and Aquaculture Sciences*	2016	6(1): 7-14	2nd	ISSN 2248-9975
54.	Effect of 17α Methyl Testosterone on the Growth Performance of a Fighting fish (*Betta splendens*)	*Journal of Experimental Zoology India*	2016	19(1): 89-93	2nd	5.51 (NAAS)
55.	De-Growth of *Anabas testudineus* Fry Reared in A Captive Condition With Respect to Seasonal Temperature	*International Journal Of Food and Nutritional Sciences*	2016	5(1): 46-49	1st	1.021 (IF)
56.	Studies on Sexual Dimorphism and Gonadal Development of an Indigenous Ornamental fish *Trichogaster lalius*	*The Bioscan*	2016	11(1):01-08	2nd	5.26 (NASS)
57.	Icthyofaunal Diversity of Three Rivers of Raighar District, Chattisgarh.	*National Journal of Life Science1*	2016	13(1):95-99	4th	ISSN:0972-995X
58.	Report on an Innovative Fishing Gear used inNatural water Bodies in Assam	*National Journal of Life sciences (Accepted)*	2016	13(1):101-104	3rd	4.01 (NAAS)
59.	Fish Fauna Diversity Of Mahanadi River In Raigarh District, Chhattisgarh	*Journal of Experimental Zoology India (Accepted)*	2016	19(S1):1285-1289	5th	4.63 (NAAS)
60.	Effect of different level of 17α-Methyl Testosterone on Parturition, Sex Reversal and Growth Performance of Guppy (*Poecilia*	*Journal of Experimental Zoology India*	2016	19(S1):1345-1349	2nd	4.63 (NAAS)

	reticulata Peters, 1859)					
61.	Status of Ornamental Fish Diversity of Raigarh district, Chhattisgarh, India	*International Journal of Science and Nature*	2016	7(3):575-578	5th	3.60 (NAAS)
62.	Growth, mortality and exploitation level of Bombay duck, *Harpodon nehereus* from estuarine region of Kakdwip, West Bengal, India	*Environment and Ecology*	2015	34(3): 971-975	1st	4.09 (NAAS)
63.	Toxic effect of Zanthoxylum rhetsa seed extracts on stinging catfish, Heteropneustes fossilis (Bloch, 1794)	*Journal of pharmacognosy and phytochemistry*	2017	6(2):221-225	2nd	5.21 (NAAS)
64.	Limnology and productivity status in etlands (Beels) of 24- South Parganas District, West-Bengal.	*Journal of Entomology and Zoology Studies*	2017	5(2):664-668	5th	5.53 (NAAS)
65.	Population dynamics of Big eye Hilsa, *Ilisha megaloptera* from estuarine region of Diamond harbour, West Bengal.	*Ecology environment and conservation,*	2017	23 (2): 962-967	2nd	4.89 (NAAS)
66.	Breeding and embryonic development of an indigenous ornamental fish *Trichogaster lalius* (Hamilton,1822) in captive condition.	*Journal of Entomology and Zoology Studies*	2017	3(2017*):*111-115*.*	2nd	5.53 (NAAS)
67.	Effects of spirulina powder in colouration an growth enhancement of an indigenous ornamental fish *Trichogaster lalius.*	*International Journal of Advanced Biological Research*	2017	7 (2): 263-267		4.64 (NAAS)
68.	Piscicidal effect of *Luffa cylindrica* fruit extract on tilapia fingerlings, *Oreochromis mossambicus* in captive condition.	*Journal of Pharmacognosy and Phytochemistry*	2017	6(3):221-225.	2nd	5.21 (NAAS)

(Samarendra Behera)