

FACULTY MEMBER ACADEMIC PROFILE

1. **Full name of the faculty member:** DR. SHIB KINKAR DAS
2. **Designation:** Professor
3. **Specialisation:** Aquaculture
4. **Contact information:** Phone: +91 9433130947
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5. **Academic qualifications:** M. Sc; Ph.D.

College/ university from which the degree was obtained	Abbreviation of the degree
University of Kalyani	Ph. D. (Zoology)

6. **Positions held/ holding or Work Experience:** Professor at Department of Aquaculture, F. F. Sc

7. **Membership of Learned Societies:** Life member of the Inland Fisheries Society of India, Barrackpore.
Life member of the Indian Science Congress Association, Calcutta.

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

SL No.	Name of the Programme	Title of Conference / Seminar	Date & Duration
1	As Co-Coordinator organized NFDB sponsored Training Programme	Evaluation and Management Tools in Integrating Socio-economic Conditions towards Project Implementation	

9. **Invited lectures delivered:**

SL No.	Title of Lecture / Academic Session	Title of Conference / Seminar	Organized by
1		75th session of the Indian Science Congress Association	Indian Science Congress Association in Pune (7-12 January, 1988)
2		76th session of the Indian Science Congress Association	Indian Science Congress Association in Madurai (7-12 January, 1989)
3		77th session of the Indian Science Congress Association	Indian Science Congress Association in Cochin (4-9 February, 1990)
4		National Conference on Aquaculture and Steps to Maintain High Production	West Bengal University of Animal and Fishery Sciences, 2005
5		International Conference on Environment and Development	Institute of Social Studies, Science city, Kolkata (4-8 th February, 2004)
6		National Seminar on Prospects of Ornamental fish Breeding and culture in Eastern and North-Eastern India	(16-17 th February, 2004)
7		International Conference on Coastal Hazards	SASTRA Deemed University & Indian Geological Congress (9-11 th February, 2005).
8	Conservation of Endangered Fish	Peoples' Technology Congress	FOSET in the Science City, Kolkata (19 th February, 2005).
9		National Symposium on Developmental Dynamics	Indian Society of Developmental Biologists in the department of Zoology, University of Kalyani, Kalyani. (23-25 November, 2005).

10	BIO-Thurst- The gateway to a safer world	BIO-Thurst- The gateway to a safer world	Super Agro India in <i>The Park</i> , Kolkata (10 th September, 2006).
11	Safe Reuse of Municipal Wastewater in Aquaculture and Allied Activities	National Seminar cum Workshop on Integrated Safe Reuse of Municipal Wastewater Potentials and Prospects	International Centre for Ecological Engineering in the University of Kalyani, Kalyani, 9-10 th September, 2016
12	Sustainable Resource Management : Myth or Reality	UGC sponsored National Seminar	Uluberia College, 18-19 th Nov., 2011
13		International Conference on <i>Mother Earth: Save it for Future Generations</i>	Department of Environ. Science, University of Burdwan, Burdwan, 13-15 th Feb., 2010
14	Recent Advances in Fishery Science Technologies for the Farmers in West Bengal	2 days Sensitization workshop at ATARI, Kolkata	ATARI, Kolkata. 16 th March 2017

10. Awards:

- **SERC Visiting Fellowship** from the Science and Engineering Research Council of the Department of Science and Technology, Ministry of Science and Technology, Govt. of India.
- **Research Associateship** from the Council of Scientific and Industrial Research, New Delhi.
- **Junior Research Fellowship** from the University of Kalyani, Kalyani.
- **Junior Research Fellowship** from the Council of Scientific and Industrial Research, New Delhi.
- **Senior Research Fellowship** from the Council of Scientific and Industrial Research, New Delhi.

11. Conference/ seminar attendant:

SL NO.	Title of Conference / Seminar	Organized by
1	75th session of the Indian Science Congress Association	Indian Science Congress Association in Pune (7-12 January, 1988)
2	76th session of the Indian Science Congress Association	Indian Science Congress Association in Madurai (7-12 January, 1989)
3	77th session of the Indian Science Congress Association	Indian Science Congress Association in Cochin (4-9 February, 1990)
4	National Conference on Aquaculture and Steps to Maintain High Production	West Bengal University of Animal and Fishery Sciences, 2005
5	International Conference on Coastal Hazards	SASTRA and Indian Geological Congress, Thanjavur, Feb., 9-11, 2005
6	International Conference on <i>Mother Earth: Save it for Future Generations</i>	Department of Environ. Science, University of Burdwan, Burdwan, 13-15 th Feb., 2010
7	17 th West Bengal State Science & Technology Congress	CIFE, Salt Lake, Kolkata, 1 st Oct. 2010
8	Technological Development in Fish Processing and Packaging	CIFE, Salt Lake, Kolkata, 2 nd Oct. 2010
9	UGC sponsored National Seminar entitled "Sustainable Resource Management : Myth or Reality"	Uluberia College, 18-19 th Nov., 2011
10	Expert Consultation on Academic Partnership for Excellence and Networks	Central Institute of Fisheries Education, Kolkata Centre, 9 th Nov., 2011
11	Seminar on Achieving Blue Revolution in Eastern and North Eastern India	Central Institute of Fisheries Education, Kolkata Centre, 5 th Mar., 2012
12	Seminar on the Impact of global warming and climate change on inland aquaculture and mitigation options for sustainable	International Centre for Ecological Engineering in the University of

	development	Kalyani, Kalyani, 5 th Jan., 2013
13	National Seminar cum Workshop on Integrated Safe Reuse of Municipal Wastewater Potentials and Prospects	International Centre for Ecological Engineering in the University of Kalyani, Kalyani, 9-10 th September, 2016

12. Other notable activities:

- Acted as an adviser for prawn hatchery of the MPDS, Barua, Midnapore during **1992**.
- Acted as guest lecturer to the trainees of Fish Farmers Training Institute at PALLIKATHA (A rural development organisation) at Bira, North 24 Parganas during **1994**
- Acted as guest Lecturer in short term course on Fishery management in the Centre for Adult, Continuing Education and Extension, University of Kalyani during the year **2000, 2001, 2002 and 2003**.
- Acted as guest Lecturer for the WBJFS Gr-II officers about Ornamental Fish Culture and Trade at State Fisheries Trg. Centre, Kulia, Kalyani during the year **2001**.
- Resource person in Fishery Training, Tagore Society, Parasmani Sub Center, Lahiripur GP. Gosaba, **16-18th Nov., 2010**.
- Expert in meeting on collaborative activities with West Bengal University of Animal & Fishery Sciences, Central Institute of Fisheries Education, Kolkata Centre, **9th Nov., 2011**.
- Expert in Fishery training camp, Tagore Society, Parasmani Sub Center, Lahiripur GP. Gosaba, **19-21st Apr., 2012**.
- Resource person in Sustainable Aquaculture: Role and prospects in rural economy under *Technology Week*, Maldah Krishi Vigyan Kendra, Maldah, **5th Mar., 2012**.
- Resource person in Steps in productivity enhancement in freshwater aquaculture under *Technology Week*, Uttar Dinajpur Krishi Vigyan Kendra, Balurghat.
- Expert in Technology Week, North 24 Parganas KVK, Asokenagar, **10th Mar., 2014**.
- Expert in NFDB Training/Skill development Module on Disease Issues and health management in Aquaculture Systems, Faculty of Fishery Sciences, West Bengal University of Animal and Fishery Sciences, **19th Feb., 2015**.
- Expert in Technology Week, North 24 Parganas KVK, Asokenagar, **26th Feb., 2015**.
- Expert in NFDB Training/Skill development Module on Disease Issues and health management in Aquaculture Systems, Faculty of Fishery Sciences, West Bengal University of animal and Fishery Sciences, **20th Mar., 2015**.
- Expert in Preventive health Management in Freshwater Aquaculture, North 24 Parganas KVK, Asokenagar, **14th Oct., 2015**.
- Expert in NFDB sponsored training programme in North 24 Parganas KVK on Beel fishery management of North 24 Parganas district, **26th to 28th October, 2016** to discuss Pre harvest and post harvest management of beel fisheries- levels of productivity and employment
- Expert in NFDB sponsored training programme in North 24 Parganas KVK on Best management practices of Brackish water shrimp farming **26th to 28th October, 2016** to discuss on "Brackish water shrimp farm management.
- As an Expert delivered a talk on '**Recent Advances in Fishery Science Technologies for the Farmers in West Bengal**' in the 2-days Sensitization Workshop on 'Technology Application in Animal and Fishery Sciences' at ICAR- ATARI, Kolkata on **16th March, 2017**.

13. Publication:

a. International publications:

- I. **Das, S. K., Das, S., Mandal, A. and Dinda, R. 2017.** Impact of neem (*Azadirachta indica* A. Juss) seed cake upon selective nutrient cycling bacterial population in fish culture. **Journal of Applied Aquaculture (in press) (Francis and Taylor)**.
- II. **Ghosh, A., Sharma, A., Das S. K. and Dana, S. S. 2015.** A study on effectiveness of fisheries based programmes telecast by public and private television channels in West Bengal. **International journal of Extension education**.
- III. **Sengar, P. S., Das, S. K., Kumar, S., Gogoi, R. and Behera, S. 2015.** Evaluation of soil quality of some reservoir fisheries in Dhaulpur district of Rajasthan. **International Journal of Fisheries and Aquatic Studies**, 2(6): 99-103.
- IV. **Mandal, A. and Das, S. K. 2014.** Comparative evaluation of iso-nutritional mash and pellet feed under mixed culture conditions of Indian major carp rohu (*labeo rohita*) and mrigal

- (*cirrhinus mrigala*), **International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS)**, 2(2): 125-134, ISSN(E): 2321-8851; ISSN(P): 2347-4580.
- V. **Mandal, A. and Das, S. K. 2014.** Comparative evaluation of two iso-nutritional feeds (mash and pellet) upon the environmental health and growth potential of two Indian major carps (Rohu, *Labeo rohita*; Mrigal, *Cirrhinus mrigala*) under mixed culture condition, **IOSR Journal of Agriculture and Veterinary Science**, (IOSR-JAVS), e-ISSN: 2319-2380, p-ISSN: 2319-2372. Vol. 7, Issue 6 Ver. I, 1-8.
- VI. **Ghosh, A., Sharma, A., Das, S. K. 2013.** 4 P's Model for Effectiveness of Fisheries Based Television Programmes, **International Journal of Research in Applied, Natural and Social Sciences (IMPACT: IJRANSS)**, 1(6): 27-34, ISSN(E): 2321-8851; ISSN(P): 2347-4580.
- VII. **Das, S. K. and Sarkar, A. K. 2009.** Environmental impact of wild shrimp seed collection with non-selective gears on coastal aquatic biodiversity. **Bangladesh J. Fish. Res.**, 13(1):55-64.
- VIII. **Sarkhel, C. and Das, S. K. 2005.** Impact of certain piscicides on nitrogen mineralising and cellulose decomposing bacterial populations. **J. Applied Aquaculture**, 16(3/4):167-182, (Howarth Press Inc., Kentucky, USA).
- IX. **Das, S. K. and Jana, B. B. 2003.** Pond fertilization regime: State - of - the art. **J. Applied Aquaculture**, 13 (1/2): 35-66 (Howarth Press Inc., Kentucky, USA).
- X. **Jana, B. B., Das, S. K. and Chakraborty, D., 1992.** Use of common carp (*Cyprinus carpio* L.) in increasing the fertiliser value of phosphate rock. **Journal of Applied Ichthyology**, 8 : 222-227 (Verlag Paul Parey, Germany).
- XI. **Jana, B. B. and Das, S. K., 1992.** The fertiliser value of phosphate rock in carp aquaculture. **The Israeli Journal of Aquaculture : Bamidgeh**, 44 (1) : 13-23 (The Fisheries Department of the Ministry of Agriculture and the Fish Breeders, Israel).
- XII. **Jana, B. B. and Das, S. K., 1992.** Bioturbation induced changes of fertiliser value of phosphate rock in relation to alkaline phosphatase activity. **Aquaculture**, 103: 321-330 (Elsevier Science Publishers B. V., Netherlands).

b. National publications:

- I. **Das, S. K., Sarkhel, C., Mandal, A. and Dinda, R. 2017.** Piscicides in Tropical Aquaculture – an Overview. **Indian Journal of Animal Health**, 56(1):11-30.
- II. **Mandal, A., Das, S. K., Majumder, A. 2017.** Studies on physico-chemical environment and management of crab (*Scylla serrata*) farming in 24 Parganas (West Bengal). **Indian Journal Animal Research (in press)**.
- III. **Mandal, A., Dinda, R. and Das, S. K. 2016.** Application of biofloc technology in water quality management and increase of fish production. **Fishing Chimes**, vol. 1 (3): 4-7 pp.
- IV. **Mandal, A. and Das, S. K. 2014.** Frontiers of Biotechnology in aquaculture. **Proceedings of UGC sponsored National seminar on Prospects of Biotechnology in Rural Bengal**, (ISBN 978-81-928627-2-9); pp 50-55, 17-18 January, 2014, Uluberia College, Uluberia.
- V. **Ghosh, A., Sharma, A., Das, S. K., Sharma, R., Mishra, S. K. 2014.** Profile of Viewers of Fisheries Based Television Programmes in West Bengal, **Journal of Indian Fisheries Association**. 41: 31-39.
- VI. **Sengar, P. S., Kumar, S., Das, S. K., Gogoi, R. and Behera, S. 2014.** Socio-economic status of the fisheries in reservoirs of Dhaulpur district in Rajasthan. **Uttar Pradesh J. Zool.**, 34 (3): 203-209.
- VII. **Abraham, T. J., Sasmal, D., Dash, G., Nagesh, T. S., Das, S. K., Mukhopadhyay, S. K., Ganguly, S. 2013.** Epizootology and pathology of bacterial infections in cultured shrimp *Penaeus monodon* Fabricius 1798 in West Bengal, India. **Indian Journal of Fisheries**, 60(2): 167-171 (Central Marine Fisheries Research Institute, Cochin).
- VIII. **Das, S. K., Gogoi, N. M., Dana, S. S. 2011.** Status of aquaculture and management practices of the primarily unmanaged ox-bow lakes (beels) of Sivasagar and Jorhat districts of Assam. **Indian Journal of Fisheries**, 58(2): 107-113 (Central Marine Fisheries Research Institute, Cochin).
- IX. **Das, S. K. 2011.** Sustainable resource utilization in aquaculture: issues and practices. **Proceedings of UGC sponsored National seminar on Sustainable resources management: Myth or Reality**, (ISBN 978-81-922305-6-6); pp 42-45, 18-19 November, 2011, Uluberia College, Uluberia.
- X. **Das, S., Das, S. K. 2008.** Value addition to fish through non-judicious use of chemicals and colourants in West Bengal: possible impacts. **Fishing Chimes**, 28 (5): 16-19 (Global Fishing Chimes (Pvt.) Ltd., Chimes House, Visakhapatnam, India).

- XI. Das, S. K., Mondal, A. 2005.** Towards sustaining the Indigenous Technical Knowledge: State-of-the Art of Bundh Breeding in Bankura, West Bengal, **Journal of the Inland Fisheries Society of India**, 37 (2): 69-74 (Central Inland Fisheries Research Institute, Barrackpore).
- XII. Mondal, A., Das, S. K. 2004.** Modification in the management and system design of bundh breeding. **Indian Journal of Fisheries**, 51(3): 365-369 (Central Marine Fisheries Research Institute, Cochin).
- XIII. Bala, M. Saha, U., Das, S. K. and Sarkar, S. 2003.** Effect of EDTA and Ascorbic acid Dip Treatment on Proximate Composition of *Catla catla*. **Indian Journal of Animal Health**, 42 (1): 80-82 (West Bengal Veterinary Association, Kolkata).
- XIV. Das, S. K., Chakraborty, D. and Jana, B. B. 1999.** Growth responses of carps to phosphate rock fertiliser in simulated fishponds and *in situ*. **Journal of the Zoological Society of India**, 52: 16-28 (Zoological Society, Calcutta).
- XV. Jana, B. B. and Das, S. K., 1998.** Increased efficiency of rockphosphate in carp Importance of N:P ratio. **Aquaculture in the Tropics**, 15: 297-311 (Oxford and IBH Publ. Co., New Delhi, India).
- XVI. Das, S. K. and Jana, B. B. 1996.** Prospects of phosphate rock as of P fertilizer in Aquaculture. **Fishing Chimes**, 16 (7): 18-19 (Global Fishing Chimes (Pvt.) Ltd., Chimes House, Visakhapatnam, India).
- XVII. Das, S. K. And Jana, B. B., 1996.** Pond fertilization through inorganic sources: An overview. **Indian Journal of Fisheries**, 43 (2) : 137-155. Indian Council of Agricultural Research, New Delhi, India.
- XVIII. Das, S. K. and Jana, B. B., 1996.** Does rock phosphate fertiliser adequately sustain fish production in the next year following its application during the first? **Journal of the Inland Fisheries Society of India**, 28(1): 67-75 Barrackpore, West Bengal, India.
- XIX. Jana, B. B. and Das, S. K., 1995.** Phosphorus in aquatic systems : an overview. In : **Advances in Ecology and Environmental Sciences** (Eds. P. C. Mishra, N. Behera, B. K. Senapati and B. C. Guru) pp. 213-252. Ashish Publishing House, New Delhi.

c. Books:

- I. Das, S. K., Ghosh, T. K., Bhattacharyya, S., Mandal, A., Chowdhuri, A. and Sarkar, R. 2016.** Practical Manual on Water and soil quality parameters, W. B. U. A. F. S., 55 pp.
- II. Das, S. K., Ghosh, T. K., Bhattacharyya, S., Mandal, A. and Biswas, B., 2016.** Laboratory Manual on Microbiological and Biotechnological Tools and Techniques, W. B. U. A. F. S., 75 pp.
- III. Das, S. K., Ghosh, T. K., Bhattacharyya, S., Mandal, A. and Dinda, R., 2016.** Practical Manual on Live feed culture techniques, W. B. U. A. F. S., 70 pp.
- IV. Dana, S. S., Das, S. K. and Joardar, S. N. 2011.** Training manual on Technology Transfer Demonstration farm on Integrated Duck-cum-Fish Farming for Imparting Training and Farm Advisory Services to Schedule caste, Schedule Tribe and Weaker Section of West Bengal. W. B. U. A. F. S.; 36 pp.
- V. Dana, S. S. and Das, S. K. 2010.** Evaluation and Management Tools in Integrating Socio-economic Conditions towards Project Implementation. W. B. U. A. F. S.; 86 pp.

d. Chapters in Books:

- I. Das, S. K. and Mandal, A., 2017.** Waste system, its utility and analyses in aquaculture *In: Wastewater Management through Aquaculture*, Springer (in press).
- II. Das, S. K., Haldar, S., Nayak, A. and Mondal, A. 2012.** Environmental Management for Hatching of IMC Eggs. In: Indigenous Technical Knowledge (ITK) in Fisheries of East Coast of India (Eds. Sharma, A., Venugopal, G., Sharma, R., Shukla, S. P., Suresh Babu, P. P. and Sawant. P. B.), A Resource Book of Central Institute of Fisheries Education, Narendra Publishing House, Delhi, India: 114-115.
- III. Das, S. K., Haldar, S., Nayak, A. and Maiti, U. 2012.** Use of 'Haritaki' and 'Khayer' to Prevent Spawn Mortality in Hatchery. In: Indigenous Technical Knowledge (ITK) in Fisheries of East Coast of India (Eds. Sharma, A., Venugopal, G., Sharma, R., Shukla, S. P., Suresh Babu, P. P. and Sawant. P. B.), A Resource Book of Central Institute of Fisheries Education, Narendra Publishing House, Delhi, India: 112-113.
- IV. Das, S. K., Haldar, S. and Nayak, A. 2012.** Use of Bamboo Sticks for Partial Control of Fish Lice (*Argulus* sp.). In: Indigenous Technical Knowledge (ITK) in Fisheries of East Coast of India (Eds. Sharma, A., Venugopal, G., Sharma, R., Shukla, S. P., Suresh Babu, P. P. and Sawant. P. B.), A Resource Book of Central Institute of Fisheries Education, Narendra Publishing House, Delhi, India: 101p.

- V. **Das, S. K., Haldar, S. and Nayak, A. 2012.** Use of Paddy Ash as Prophylactic Agent. In: Indigenous Technical Knowledge (ITK) in Fisheries of East Coast of India (Eds. Sharma, A., Venugopal, G., Sharma, R., Shukla, S. P., Suresh Babu, P. P. and Sawant. P. B.), A Resource Book of Central Institute of Fisheries Education, Narendra Publishing House, Delhi, India: 93-94.
- VI. **Das, S. K., Nayak, A., Haldar, S. and Maiti, U. 2012.** Use of Herbal Products to cure Fish Diseases. In: Indigenous Technical Knowledge (ITK) in Fisheries of East Coast of India (Eds. Sharma, A., Venugopal, G., Sharma, R., Shukla, S. P., Suresh Babu, P. P. and Sawant. P. B.), A Resource Book of Central Institute of Fisheries Education, Narendra Publishing House, Delhi, India: 91-92.
- VII. **Das, S. K., Haldar, S., Nayak, A. and Paul, B. K. 2012.** Use of 'Khaier' and 'Gub' for Strengthening the Net. In: Indigenous Technical Knowledge (ITK) in Fisheries of East Coast of India (Eds. Sharma, A., Venugopal, G., Sharma, R., Shukla, S. P., Suresh Babu, P. P. and Sawant. P. B.), A Resource Book of Central Institute of Fisheries Education, Narendra Publishing House, Delhi, India: 48-49.
- VIII. **Das, S. K., Haldar, S. and Nayak, A. 2012.** Huri fishing with mango branches. In: Indigenous Technical Knowledge (ITK) in Fisheries of East Coast of India (Eds. Sharma, A., Venugopal, G., Sharma, R., Shukla, S. P., Suresh Babu, P. P. and Sawant. P. B.), A Resource Book of Central Institute of Fisheries Education, Narendra Publishing House, Delhi, India: 38.
- IX. **Das, S. K. 2011.** Importance and application of duck droppings in fish farming (in Bengali). In: Training manual on Technology Transfer Demonstration farm on Integrated Duck-cum-Fish Farming for Imparting Training and Farm Advisory Services to Schedule caste, Schedule Tribe and Weaker Section of West Bengal (Eds. Dana, S. S., Das, S. K. and Joardar, S. N.). W. B. U. A. F. S.; 1-6.
- X. **Dana, S. S. and Das, S. K. 2010.** Concepts of monitoring and evaluation of fisheries extension programme in Evaluation and Management Tools. In: Integrating Socio-economic Conditions towards Project Implementation (Eds. Dana, S. and Das, S. K.), W. B. U. A. F. S.; 1-3.



Signature of the faculty member