



## S. Ferosekhan

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<b>Educational Qualifications</b>				
Degree/ Course	Name of the University/ Institute	Year	Major subject	Marks/ Class/ Rank
Ph.D.,	University of Las Palmas de Gran Canaria, Canary Islands, Spain	2022	Aquaculture (Broodstock nutrition and reproduction)	-
M.F.Sc.,	ICAR-Central Institute of Fisheries Education, Mumbai, Maharashtra, India	2011	Fish Nutrition & Biochemistry	8.08/10.00
B.F.Sc.,	ICAR-Fisheries College & Research Institute, Tuticorin, Tamil Nadu, India	2008	Fisheries Science	8.50/10.00

### Details of employment record

Employer/Institution	Designation	Period	Scale of pay
Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha	Scientist	12.04.2013 to till date	Rs. 16920 - 39100 + RGP 6000.
National Academy of Agricultural Research Management, Hyderabad	Scientist	01.01.2013 to 01.04.2013	Rs. 15600 - 39100 + RGP 6000
Department of Fisheries, Govt. of Tamil Nadu	Research Assistant	21.12.2009 to 30.11.2012	Rs. 15600 - 39100 + GP 5400.

### Area of Current Research

- Protocol development for **breeding and seed rearing of *Mystus cavasius*** in captivity
- Development of **captive breeding and seed rearing technique of Mahanadi Rita, *Rita chrysea***
- Standardization of captive breeding and larval rearing technique of ***Pangasius pangasius* and *Horabagrus brachysoma***
- Captive **broodstock development of *Channa striata* and *C. marulius***
- **Precision aquaculture**
- Development of **Bio-floc based technology** for freshwater fish production
- Development of **larval feed weaning protocol** for catfishes, magur, pangas, tengra
- **Broodstock nutritional studies for freshwater fishes**

### AWARDS/PRIZES/ SCHOLARSHIPS RECEIVED

Sl. No	Name of the Award	Conferring Agency	Year
1.	Dr. Hiralal Chaudhuri Best Young Scientist Award	ICAR-Central Institute of Fisheries Education, Mumbai, Maharashtra, India	2022
2.	Young Scientist Award	Society of Fisheries Science and College of Fisheries, Mangaluru, Karnataka, India	2022
3.	Young Researcher Award	Institute of Scholars (InSc), Bengaluru, Karnataka, India	2022
4.	Best Presentation Award	European Aquaculture Society, Aquaculture Europe conference at Berlin, Germany	2019
5.	Best Division Awards of ICAR-CIFA, Bhubaneswar, Odisha as part of Divisional Scientist	ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India	2018
6.	Netaji Subhas-ICAR-International Fellowship (Doctorate Fellowship)	Indian Council of Agricultural Research, New Delhi, India	2017-2020
7.	ICAR-International Fellow	Indian Council of Agricultural Research, New Delhi, India	2017-2020

8.	Best Poster Presentation award	National Seminar on “Aquaculture Diversification: the way forward for Blue Revolution” by ICAR-Central Institute of Freshwater Aquaculture	2016
9.	Best Poster Presentation Award	2 <sup>nd</sup> International symposium on “Genomics in Aquaculture” by ICAR-Central Institute of Freshwater Aquaculture	2016
10.	Best Publication of the Year Award	ICAR-Central Institute of Fisheries Education, Mumbai, Maharashtra, India	2014
11.	Best Division Awards of ICAR-CIFA, Bhubaneswar, Odisha as part of Divisional Scientist	ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India	2014
12.	Best Publication of the Year Award	ICAR-Central Institute of Fisheries Education, Mumbai, Maharashtra, India	2013
13.	Alltech Young Scientist Award 2011 (Third place in Asia Pacific) and cash award of US\$1000	Alltech, Pvt Ltd, USA	2011
14.	Alltech Young Scientist Award 2011 (First place in India)	Alltech, Pvt Ltd, USA	2011
15.	Post-graduate fellowship	Indian Council of Agricultural Research, New Delhi, India	2008

## List of Research Publications

<p><b>1. National and International Research Journals</b></p>	<ol style="list-style-type: none"> <li>1. <b>Ferosekhan, S.</b>, Sarih, S., Afonso, J.M., Zamorano, M.J., Fontanillas, R., Izquierdo, M., Kaushik, S. and Montero, D., 2022. Selection for high growth improves reproductive performance of gilthead seabream <i>Sparus aurata</i> under mass spawning conditions, regardless of the dietary lipid source. <i>Animal Reproduction Science</i>, 106989.</li> <li>2. Gokulakrishnan, M., Kumar, R., Pillai, B.R., Nanda, S., Bhuyan, S.K., Kumari, R., Debbarma, J., <b>Ferosekhan, S.</b>, Siddaiah, G.M. and Sundaray, J.K. 2022. Dietary brewer's spent yeast enhances growth, hematological parameters, and innate immune responses at reducing fishmeal concentration in the diet of climbing perch, <i>Anabas testudineus</i> fingerlings. <i>Frontiers in Nutrition</i>, p.2067.</li> <li>3. <b>Ferosekhan, S.</b>, SriHari, M., Radhakrishnan, K., Sahoo, S.K. 2022. Morphology, Length-Weight relationship, Biology and Conservation Strategies for Least Studied Endemic Catfish, <i>Rita chrysea</i> (Siluriformes: Bagridae) from Mahanadi River System, India. <i>Journal of Ichthyology</i>, 1-8.</li> <li>4. Padhi, N., Jena, S.K., Ail, S.K.S, <b>Ferosekhan, S.</b>, Sahoo, S.N., Udit, U.K., Bairwa, M.K. and Swain, S.K. 2022. Does tank background colour influence the growth, survival, and carotenoid content in fishes? An illustration in filament barb, <i>Dawkinsia filamentosa</i> (Valenciennes, 1844). <i>Aquaculture</i>, 738536.</li> <li>5. <b>Ferosekhan, S.</b>, Giri, A.K., Sahoo, S.K., Radhakrishnan, K., Pillai, B.R., Shankar Giri, S. and Swain, S.K., 2021. Maternal size on</li> </ol>
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- reproductive performance, egg and larval quality in the endangered Asian catfish, *Clarias magur*. *Aquaculture Research*, 52(11), pp.5168-5179.
6. **Ferosekhan, S.**, Turkmen, S., Perez-Garcia, C., Xu, H., Gomez, A., Shamna, S., Afonso, J.M., Rosenlund, G., Fontanillas, R., Gracia, A., Izquierdo, M. and Kaushik, S., 2021. Influence of Genetic Selection for Growth and Broodstock Diet n-3 LC-PUFA Levels on Reproductive Performance of Gilthead Seabream, *Sparus aurata*. *Animals*, 11(2), 519.
  7. Xu, H., **Ferosekhan, S.**, Turkmen, S., Afonso, J. M., Zamorano, M. J., & Izquierdo, M. 2020. High broodstock fads2 expression combined with nutritional programming through broodstock diet improves the use of low fishmeal and low fish oil diets in gilthead seabream (*Sparus aurata*) progeny. *Aquaculture*, 736321.
  8. Xu, H., **Ferosekhan, S.**, Turkmen, S., Afonso, J. M., Zamorano, M. J., & Izquierdo, M. 2020. Influence of parental fatty acid desaturase 2 (Fads2) expression and diet on gilthead seabream (*Sparus aurata*) offspring fads2 expression during ontogenesis. *Animals*, 10(11), 2191.
  9. **Ferosekhan, S.**, Xu, H., Turkmen, S., Gómez, A., Afonso, J. M., Fontanillas, R., & Izquierdo, M. 2020. Reproductive performance of gilthead seabream (*Sparus aurata*) broodstock showing different expression of fatty acyl desaturase 2 and fed two dietary fatty acid profiles. *Scientific reports*, 10(1), 1-14.
  10. **Ferosekhan, S.**, Turkmen, S., Xu, H., Afonso, J. M., Zamorano, M. J., Kaushik, S., & Izquierdo, M. 2020. The relationship between the expression of fatty acyl desaturase 2 (fads2) gene in peripheral blood cells (PBCs) and liver in gilthead seabream, *Sparus aurata* broodstock fed a low n-3 LC-PUFA diet. *Life*, 10(7), 117.
  11. **Ferosekhan, S.**, Sahoo, S.K., Radhakrishnan, K., Velmurugan, P., Shamna, N., Giri, S.S., Pillai, B.R., 2020. Influence of rearing tank colour on Asian catfish, magur (*Clarias magur*) and pangas (*Pangasius pangasius*) larval growth and survival. *Aquaculture* 735080.
  12. Bharathi, S., Antony, C., Rajagopalsamy, C.B.T., Uma, A., Ahilan, B., Somu Sunder Lingam, R., **Ferosekhan, S.**, Prabu, E., 2020. Partial replacement of fishmeal with soybean meal and distillers dried grain solubles (DDGS) as alternative protein sources for milkfish *Chanos chanos* (forsskal, 1775) fingerlings. *Indian Journal of Fisheries*. 67, 62–70.
  13. Ahmad, I., Bhat, I. A., Jagtap, D. D., Selvaa Kumar, C., **Ferosekhan, S.**, & Afonso, L. O. B. 2020. New Insights of Inhibins in Ovarian Physiology of Fish. *Reviews in Fisheries Science & Aquaculture*, 1–13.
  14. **Ferosekhan, S.**, Sahoo, S. K., Giri, S. S., Das, B. K., Pillai, B. R., & Das, P. C., 2019. Broodstock development, captive breeding and seed production of bagrid catfish, *Mahanadi rita*, *Rita chrysea* (Day, 1877). *Aquaculture*, 503, 339-346.
  15. Sahoo, S.K., **Ferosekhan, S.**, Giri, S.S., Radhakrishnan, K., Panda, D., SriHari, M., Pillai, B.R., 2019. Length–weight relationship and growth performance of different life stages of hatchery-produced magur. *Aquaculture Research*, 50: 1431–1437.
  16. Sivaramakrishnan, T., Sahu, N.P., Jain, K.K., Muralidhar, A.P., Saravanan, K., **Ferosekhan, S.**, Praveenraj, J. and Artheeswaran, N.,

2016. Optimum dietary lipid requirement of *Pangasianodon hypophthalmus* juveniles in relation to growth, fatty acid profile, body indices and digestive enzyme activity. *Aquaculture International*, 1-14.
17. Nayak, S., **Ferosekhan, S.**, Sahoo, S.K., Sundaray, J.K., Jayasankar, P. and Barman, H.K. 2016. Production of fertile sperm from in vitro propagating enriched spermatogonial stem cells of farmed catfish, *Clarias batrachus*, *Zygote*, pp. 1–11.
18. Sahoo, S.K., **Ferosekhan, S.**, Saha, A., Giri, S.S. and Paramanik, M., 2016. Embryonic and larval development of an endangered catfish, *Horabagrus brachysoma*. *Indian Journal of Animal Research*, 51(1): 15-20.
19. **Ferosekhan, S.**, Gupta, S., Singh, A.R., Rather, M.A., Kumari, R., Kothari, D.C., Pal, A.K., Jadhao, S.B. 2014. RNA-Loaded Chitosan Nanoparticles for Enhanced Growth, Immunostimulation and Disease Resistance in Fish. *Current Nanoscience*, 10(3): 453-464.
20. Kumari, R., Gupta, S., Singh, A. R., **Ferosekhan, S.**, Kothari, D. C., et al. 2013. Chitosan Nanoencapsulated Exogenous Trypsin Biomimics Zymogen-Like Enzyme in Fish Gastrointestinal Tract. *PLoS ONE.*, 8(9): e74743.
21. Rather, M. A., Sharma, R., Gupta, S., **Ferosekhan, S.**, Ramya, V. L., et al. 2013. Chitosan-Nano conjugated Hormone Nanoparticles for Sustained Surge of Gonadotropins and Enhanced Reproductive Output in Female Fish. *PLoS ONE.*, 8(2): e57094.
22. **Ferosekhan, S.**, Sahoo, S.K., Radhakrishnan, K., Gokulakrishnan, M., Giri, S.S., Pillai, B.R. 2022. Standardisation of weaning protocol for *Clarias magur* (Hamilton, 1822) larvae. *Asian Fisheries Science*, 35:68-75.
23. **Ferosekhan, S.** and Sahoo, S.K. 2019. Captive production of Bagrid catfish, *Rita chrysea* for species diversification in India. *Journal of Aquaculture*, 27:42-46.
24. Mahapatra, B., Pal, P., Radhakrishnan, K., **Ferosekhan, S.**, Sahoo, S.K., 2021. Comparative study on the growth and production characteristics of Asian catfish, *Heteropneustes fossilis* and *Clarias magur* fingerlings. *Journal of Experimental Zoology India*, 24, 665–669.
25. Sahoo, S.K., **Ferosekhan, S.**, Giri, S.S., Paramanik, M. and Radhakrishnan, K. 2018. Reports on common deformities in induced bred *Horabagrus brachysoma* larvae. *Journal of Entomology and Zoology Studies*, 6 (3), 462-465.
26. Sahoo, S.K., Giri, S.S., Paramanik, M. and **Ferosekhan, S.**, 2015. Larval age at stocking, growth, and survival during fingerling production of the endangered sun catfish, *Horabagrus brachysoma*. *Journal of Applied Aquaculture*, 27(2): 144-149.
27. **Ferosekhan, S.**, Sahoo, SK., Giri, SS., Saha, A., Paramanik, M. 2015. Embryonic and Larval Development of Yellow Tail Catfish, *Pangasius pangasius*. *Journal of Aquaculture Research and Development*, 6: 343.
28. Sahu, B.B., Pillai, B.R., Patra, G., Lalrinsanga, P.L., **Ferosekhan, S.** and Jayasankar, P. 2015. Weaning of *Macrobrachium rosenbergii* larvae from *Artemia nauplii* to fish gel food. *Asian Journal of Animal Science.*, 10(1): 1-7.
29. Paramanik, M., **Ferosekhan, S.**, and Sahoo, S.K. 2014. Does the dark

		<p>condition enhance growth and survival of <i>Clarias batrachus</i> larvae at higher stocking density? <i>International Journal of Fisheries and Aquatic Studies</i>, 2(2): 142-144.</p> <p>30. Paramanik, M., <b>Ferosekhan, S.</b>, Sahoo, S.K. and Giri, S.S. 2014. Evaluation of optimal fry size for fingerling production of <i>Horabagrus brachysoma</i> in indoor condition. <i>Indian Journal of Science</i>, 11(30), 94-99.</p> <p>31. Sahu, B.B., Pati, M.K., Barik, N.K., Routray, P., <b>Ferosekhan, S.</b>, Senapati, D.K. and Jayasankar, P., 2014. Record of Skeletal System and Pin Bones in Table Size Hilsa <i>Tenulosa ilisha</i> (Hamilton, 1822). <i>World Journal of Fish and Marine Sciences</i> 6 (3): 241-244.</p> <p>32. Sahu, B.B., Pati, M.K., <b>Ferosekhan, S.</b>, N., Biswal, K., Mohanty, B.K., Senapati, D.K. and Jayasankar, P., 2014. Carcass characteristics of marketable size Hilsa, <i>Tenulosa ilisha</i> (Hamilton, 1822). <i>International Journal of Fisheries and Aquatic Studies</i>, 2(2): 137-141.</p> <p>33. Sahoo, S.K., Giri, S.S., Paramanik, M. and <b>Ferosekhan, S.</b>, 2014. Preliminary observation on the induced breeding and hatchery rearing of an endangered catfish, <i>Horabagrus brachysoma</i> (Gunther). <i>International Journal of Fisheries and Aquatic Studies</i>, 1(5): 117-120.</p>
2.	<p><b>Books and manual edited/book and manual chapters</b></p>	<p>1. Pillai, B.R., <b>Ferosekhan, S.</b>, Mohapatra, B.C. and Swain, S.K. (Eds.). 2021. <i>Advanced Aquaculture Technologies: "System Diversification in Aquaculture"</i>. ICAR-CIFA, Bhubaneswar, Odisha, India. pp 1-113.</p> <p>2. Bairwa, M.K., Pillai, B.R., <b>Ferosekhan, S.</b>, Ail S.K. and Swain S.K. (Eds.). 2022. <i>Aquaculture Practices for High Value Fish Species in Northern India</i>, ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp 1-36.</p> <p>3. Sahoo, S.K., <b>Ferosekhan, S.</b>, Giri, S.S., Sivaraman, I., Pillai, B.R. and Swain, S.K. (Eds.). 2021. A booklet on "Magur Farming for Entrepreneurship Development", ICAR-CIFA Extension Series-63, pp 1-10.</p> <p>4. Jayasankar, P., Pillai, B.R., Mohanta, K.N., Sahoo, P.K., Mohanty, J., Das, P.C., Kumar, R., Saurabh, S., Panda, D., Sarkar, S., <b>Ferosekhan, S.</b>, Kamble, S.P., Bairwa, M.K., Patil, P.A. and Pradhan, S. 2016. <i>Book of Abstracts: National Seminar on 'Aquaculture Diversification: the way forward for Blue Revolution' (NaSAD-2016)</i>. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp: 1-131.</p> <p>5. Jayasankar, P., Pillai, B.R., Das, P.C., Kumar, R., Saurabh, S., Panda, D., <b>Ferosekhan, S.</b>, Kamble, S.P., Bairwa, [Eds.], 2016. <i>Book of Souvenir: National Seminar on 'Aquaculture Diversification: the way forward for Blue Revolution' (NaSAD-2016)</i>. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp: 1-118.</p> <p>6. Sahoo, S.K., <b>Ferosekhan, S.</b>, Tiwari, P.K., Sivaraman, I. and Sahoo, S.N., Pillai, B.R. and Swain, S.K. 2022. <i>Training manual on "Breeding, Seed Production and Culture of Catfishes"</i>, 02-04 August 2022. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp: 1-107.</p> <p>7. Sundaray, J.K., Pillai, B.R., Sahoo, S.K., <b>Ferosekhan, S.</b>, Anantharaja, K. and Sivaraman, I. 2017. <i>Training manual on "Breeding, Seed</i></p>

- Production and Culture of Asian catfish (*Clarias magur*)” (13-17 July 2017). ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp: 1-128.
8. Jayasankar, P., Pillai, B.R., Sahoo, S.K., Rajesh Kumar and **Ferosekhan, S.**, 2016. Training manual on “Seed Production of Anabas, Magur & Murrel” (26-30 August 2016). ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp: 1-101.
  9. Jayasankar, P., Pillai, B.R., Sundaray, J.K., Mohapatra, B.C., **Ferosekhan, S.**, Anantharaja, K. and Kamble, S.P. 2016. Training manual on Freshwater aquaculture as a livelihood option. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp: 1-137.
  10. Jayasankar, P., Pillai, B.R., Sahoo, S.K., **Ferosekhan, S.**, Sivaraman, I., Kamble, S.P., and Bairwa, M.K. 2016. Training manual on “Breeding, Seed Production and Culture of Asian catfish (*Clarias magur*)” (02-06 August 2016). ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp: 1-128.
  11. Das, P.C., Sahoo, S.K., Kumar, R. and **Ferosekhan, S.** 2015. Training manual on “Aquaculture Diversification towards Boosting Pond Productivity and Farm Income”, 08-28 July 2015, ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, India. pp. 1-163.
  12. Sahoo, S.K., Saha, G.S., Verma, D.K., **Ferosekhan, S.**, Mishra, B., and Mohanty, U.L. 2015. Training manual on “Recent Advances in Freshwater Aquaculture” 30 June-04 July 2015. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, India. pp 1-112.
  13. Jayasankar, P., S. K. Swain, G. S. Saha, **S. Ferosekhan**, P. L. Lalrinsanga, D. K. Verma and B. Mishra. 2014. Recent Advances in Freshwater Aquaculture. Central Institute of Freshwater Aquaculture, Bhubaneswar. pp. 1-116.
  14. Swain, S.K. and **Ferosekhan, S.** 2022. Present Status and Future Scope of Freshwater Aquaculture Sector in India. In Souvenir of Eds. Das, B. K. et al (2022). Indian Fisheries Outlook, ICAR-CIFRI, Kolkata, pp 84-99.
  15. Das, P.C. and **Ferosekhan, S.** 2022. Recent Advances in Carp Culture in India. In Souvenir of Eds. Das, B. K. et al (2022). Indian Fisheries Outlook, ICAR-CIFRI, Kolkata, pp 73-83.
  16. Swain, S.K., **Ferosekhan, S.**, Sivaraman, I. 2021. Freshwater Aquaculture Development in India. In Eds, Das, K.C., Swain, P., Routray, P. Swain, S.K., 2021. Nutrition, Health and Feeding of Carps. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp 1-14.
  17. Swain, S.K., Ail, S.K., Jena, S., **Ferosekhan, S.**, and Sivaraman, I., 2021. Customized Recirculatory System for Ornamental Fish Breeding and Culture. Book edited by Pillai, B.R., Ferosekhan, S., Mohapatra, B.C., Swain, S.K. 2021 on Advanced Aquaculture Technologies: “System Diversification in Aquaculture”. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. pp. 60-65.
  18. Das, P.C. and **S. Ferosekhan**. 2021. Principles and practices of biofloc technology in freshwater aquaculture. In Eds, Pillai, B.R., Ferosekhan,

- S., Mohapatra, B.C., Swain, S.K., 2021 on Advanced Aquaculture Technologies: “System Diversification in Aquaculture”. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, Odisha, India. 9-20 pp.
19. Sahoo, S. K., and **Ferosekhan, S.** 2018. Package and practices for breeding and culture of commercially important freshwater fish species 2018. Breeding and Grow-out Culture of Magur, *Clarias batrachus* by National Fisheries Development Board, Hyderabad. pp 7-16.
  20. Sahoo, S. K., and **Ferosekhan, S.** 2018. Package and practices for breeding and culture of commercially important freshwater fish species 2018. Breeding and Seed Production of Singhi, *Heteropneustes fossilis* published by National Fisheries Development Board, Hyderabad. pp 17-19.
  21. Jayasankar, P., Mohanta, K.N. and **Ferosekhan, S.** 2018. Freshwater Aquaculture in India. In Aquaculture in India, Eds Tripathy, S.D., Lakra, W.S., Chadha, N.K., Narendra Publishing House, New Delhi, pp. 23-50.
  22. Sahoo, S. K. and **Ferosekhan, S.** 2018. Seed Production and Culture of *Clarias magur*. In SAARC regional training programme on “Mass breeding and culture technique of catfishes” published by ICAR-CIFA, Bhubaneswar, India and SAARC Agricultural Centre, Dhaka Bangladesh. pp 36-41.
  23. Sahoo, S. K. and **Ferosekhan, S.** 2018. Induced Breeding and Culture of Yellow Catfish, *Horabagrus brachysoma*. In SAARC regional training programme on “Mass breeding and culture technique of catfishes” published by ICAR-CIFA, Bhubaneswar, India and SAARC Agricultural Centre, Dhaka Bangladesh. pp 42-46.
  24. Sahoo, S. K., and **Ferosekhan, S.** 2018. Captive Breeding and Culture of *Pangasius pangasius*. In SAARC regional training programme on “Mass breeding and culture technique of catfishes” published by ICAR-CIFA, Bhubaneswar, India and SAARC Agricultural Centre, Dhaka Bangladesh. pp 47-50.
  25. **Ferosekhan, S.** 2016. Application of Nanotechnology in Nutraceutical Research. Training manual: “Application of Nanotechnology & Molecular Diagnostics in Fisheries and Aquaculture”, 20 July - 09 August 2016. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, India.
  26. Jayasankar, P. and **Ferosekhan, S.**, 2015. Candidate species for culture production of Inland fin fishes and scope for export. Aqua Aquaria-2015, Souvenir. pp 97-105.
  27. Sahoo, S.K., **Ferosekhan, S.**, and Giri, S.S. 2015. Possibilities of Captive breeding and seed production of native catfishes in India. In Brainstorming Workshop on recent Advancements in Breeding and Seed Production of Native Freshwater Fishes of India, Kerala University of Fisheries and Ocean Studies, Panangad, Kochi, Kerala, India. pp 18-27.
  28. **Ferosekhan, S.**, 2015. Nanotechnology in Fish Nutrition. Training manual: “Application of Nanotechnology in Aquaculture & Fisheries”, 24-28 August 2015. ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar, India. pp. 36-41.



		<p>29. Sivaramakrishnan, T., <b>Ferosekhan, S.</b>, Sahu, N.P., Muralidhar A.P. and Jain. K.K., 2014. Solid State Fermentation (SSF): A New Horizon for Aquafeed Industry. <i>Frontiers in Aquaculture</i>, Narendra Publishing House, New Delhi, pp. 355-366.</p> <p>30. Sahoo, S. K. and <b>Ferosekhan, S.</b> 2013. Management in seed production of <i>Clarias batrachus</i>. In Souvenir of National workshop on “Quality fish seed: Principle Vs. Practices” at CIFA during 24-25 September 2013. pp 27-31.</p> <p>31. Sahoo, S. K., <b>Ferosekhan, S.</b> and Sahu, A. K. 2013. Recent trend of seed production of <i>Clarias batrachus</i> in hatchery. In Training manual on “Recent advances in freshwater aquaculture” held during 19-26 August 2013. pp. 49-54.</p>
<p><b>3.</b></p>	<p><b>Popular Article</b></p>	<p>1. Sahoo, S.K., <b>Ferosekhan, S.</b>, Sahoo, S.N. Das, P.C. and Giri, S.S. 2022. Recent trends in seed production of stinging catfish, <i>Heteropneustes fossilis</i>, in India. <i>Aquaculture Asia</i>, 26 (3): 29-32.</p> <p>2. Sahoo, S.K., <b>Ferosekhan, S.</b>, Sahoo, S.N. and Giri, S.S. 2021. Some facts on cannibalism in <i>Wallago attu</i> and its management during captive seed production. <i>Aquaculture Asia</i>, 25 (3): 15-18.</p> <p>3. <b>Ferosekhan, S.</b>, Sahoo, S.K., Giri, S.S. and Sahoo, S.N. 2021. Scenario of captive production of <i>Clarias magur</i> in India. <i>Aquaculture Asia</i> 25, 10-13.</p> <p>4. Sahoo, S.K., <b>Ferosekhan, S.</b> and Giri, S.S., 2019. Some facts for the grow-out culture of an endangered catfish, <i>Clarias magur</i>. <i>Aquaculture Asia</i> 23, 13-15.</p> <p>5. Radhakrishnan, K., <b>Ferosekhan, S.</b>, Aanand, S., Karthy, A. and Priyadarshani.A. 2018. Advances in <i>Cobia</i> Seed Production and Hatchery Management in India. <i>World Aquaculture</i>, 64-66.</p> <p>6. SK Sahoo, <b>S. Ferosekhan</b>, SS Giri., 2018. Current know how and possibility for growout culture of an endangered catfish, <i>Horabagrus brachysoma</i>. <i>Aquaculture Asia</i> 22 (2), 11-14.</p> <p>7. Sundaray, J.K., <b>Ferosekhan, S.</b>, Mohanta, K.M., 2017. Present status and future strategy of freshwater aquaculture in India – An Institutional View. <i>Fishing Chimes</i>, 37(1), 25-32.</p> <p>8. Sahoo, S.K., <b>Ferosekhan, S.</b>, Giri, S.S. and Swain, S.K. 2016. Recent Trends in Breeding and Seed Production of Magur in India. <i>World Aquaculture</i>, 47(2): pp 59-62.</p> <p>9. Sahoo, S.K., <b>Ferosekhan, S.</b>, Paramanik, M., Swain, S.K. 2014. Hatchery Production of the Yellow Catfish <i>Horabagrus brachysoma</i> in India. <i>World Aquaculture</i>, December-2014, 52-54.</p> <p>10. <b>Ferosekhan, S.</b> and Antony Jesu Prabhu, P. 2012. Microbial Biofilm: A Biological Tool to Improve Water Quality. <i>Aqua International</i>, January: 28-29.</p> <p>11. <b>Ferosekhan, S.</b>, Linga Prabu, D. and Antony Jesu Prabhu, P. 2012. Near Infrared Reflectance Spectroscopy (NIRS) – The Future for Indian Aquafeed Industry. <i>World Aquaculture Society</i>, December: 21-22.</p> <p>12. <b>Ferosekhan, S.</b>, Linga Prabu, D. and Antony Jesu Prabhu, P. 2012. Microbial Phytase: An Ideal Nutrizyme for Sustainable Aquaculture. <i>Aqua Tech</i>, June: 76-77.</p> <p>13. Peter Amala Sujith, A. and <b>Ferosekhan, S.</b> 2007. Microgravity – A</p>

		<p>Vantage Point for Food Processing. Beverage and Food World, October: 64-67</p> <p>14. Jeyakumar, N., Peter Amala Sujith, A. and <b>Ferosekhan, S.</b> 2006. Glucosamine &amp; Chondroitin Sulphate. A Magical Wand in the Medical Hand. Pashudhan, November: 7.</p> <p>15. Peter Amala Sujith, A. and <b>Ferosekhan, S.</b> 2006. Nanotechnology: A miniscule miracle in Seafood Industry and Aquaculture. Aqua International, December: 21-26.</p> <p>16. Peter Amala Sujith, A. and <b>Ferosekhan, S.</b> 2006. Pulsed Light Technology – A Boon for Seafood Processing. Seafood Export Journal, July: 5-7 and 13.</p> <p>17. Peter Amala Sujith, A. and <b>Ferosekhan, S.</b> 2006. Role of Nanotechnology in Effective Food Design and Packaging. Seafood Export Journal, September: 17-21.</p>
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Sl. No	Training courses/programme organised	Duration
1.	Biofloc technology for freshwater fish farming’ sponsored by State Fisheries Department, Odisha	05-07 September 2022
2.	National training programme on “Breeding, seed production and culture of catfishes”	02-04 August 2022
3.	Biofloc technology for freshwater fish farming’ sponsored by State Fisheries Department, Odisha	27-29 July 2022
4.	Biofloc technology for freshwater fish farming’ sponsored by State Fisheries Department, Odisha	16-18 June 2022
5.	Recent Developments in Freshwater Aquaculture	24-25 January 2022
6.	In-Plant Attachment Training for B.F.Sc students of College of Fisheries, Odisha	22 March – 24 May 2021
7.	National Online training programme on “Magur Farming”	25 February 2021
8.	In-Plant Attachment Training for B.F.Sc students of College of Fisheries, Jabalpur, Madhya Pradesh	26 July -03 August 2021
9.	Seed production and hatchery management of air-breathing fishes	15-17 June 2021
10.	National Virtual Stakeholder consultation on “Indian Ornamental Fisheries 2.0-The way Forward	22-24 April 2021
11.	Seed Production & Hatchery Management of Air-breathing Fishes	26-28 November 2020
12.	National Seminar on “Aquaculture Diversification: the way forward for Blue Revolution	01-03, December 2016
13.	Seed Production of Anabas, Magur & Murrel” was organized for officials of Department of Fisheries, Govt. of Kerala, India	26-30 August 2016
14.	Breeding, Seed Production and Culture of Asian catfish (Magur)” was organized for officials of Department of Fisheries, Govt. of Tamil Nadu, India	02-06 August 2016
15.	NFDB and Government of Meghalaya sponsored training programme on “Freshwater aquaculture as a livelihood option”	20-25 July 2016
16.	Recent Advances in Freshwater Aquaculture	30 June - 04 July 2015
17.	ICAR sponsored 21 days Summer School on “Aquaculture Diversification towards Boosting Pond Productivity and Farm Income	08-28 July 2015
18.	Recent Advances in Freshwater Aquaculture” organised for 30	30 June - 04 July 2015

	fish farmers of Aurangabad district, Bihar, India	
19.	In-plant training on Aqua-farming for the Final Year B.F.Sc., Students, College of Fisheries, Rangailunda, Odisha, India	28 January 2015 to 25 May 2015

### Memberships in Professional Societies

- Professional Fisheries Graduates Forum (PFGF). (A prelude to fisheries council of India), Mumbai, India.
- Association of Fisheries College Alumni (AFCA) of Fisheries College and Research Institute, Tuticorin, Tamil Nadu.
- Agricultural Research Service Scientists' Forum (ARSSF), New Delhi, India
- Association of Aquaculturist, CIFA, Bhubaneswar, Odisha
- Society of Fisheries Science, Mangalore, India
- European Aquaculture Society
- World Aquaculture Society and Asian-Pacific Chapter
- Indian Science Congress