



S. Ferosekhan

Scientist

Mob - +91- 8763761899

E-mail - feroseaqua@gmail.com

ferosekhan.s@icar.gov.in

Department	Catfish breeding unit, Aquaculture Production and Environment Division
Institute/ University	Central Institute of Freshwater Aquaculture (<i>Indian Council of Agricultural Research</i>)
Office Address	Room No. 333, Aquaculture Production and Environment Division, CIFA Campus, Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar, Odisha. Pin: 751002.
Permanent Address	Rajalakhsmi illam, Jeevaratinam Street, Udaiyagudi, Kattumannar koil, Cuddalore-Dist, Tamil Nadu, Pin: 608301.
Date of Birth	01-01-1987
Sex	Male
Tel	0674-2465446; Extn-333.
Mobile	+91-8763761899
Language known	English, Urdu, Tamil, Hindi
Computer literacy	Yes

Educational Qualifications

Degree/ Course	Name of the University/ Institute	Year	Major subject	Marks/ Class/ Rank
M.F.Sc.,	Central Institute of Fisheries Education, Mumbai, Maharashtra	2008-10	Fish Nutrition & Biochemistry	8.08/10.00
B.F.Sc.,	Fisheries College & Research Institute, Tuticorin, Tamil Nadu	2004-08	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. 15600 to 39100 + RGP 6000.
National Academy of Agricultural Research Management, Hyderabad	Scientist	01.01.2013 to 01.04.2013	Rs. 15600 to 39100 + RGP 6000
Dept. of Fisheries, Govt. of Tamil Nadu	Research Assistant	21.12.2009 to 30.11.2012	Rs. 15600 to 39100 + GP 5400.

Areas of current research

- 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***
- Development of **captive breeding and seed rearing technique of *Mystus cavasius***
- Captive **broodstock development of *Channa marulius***
- Development of alternative gel based food as substitute for high value fish food – Catfish component
- Development of **larval feed weaning protocol for *Pangasius pangasius***

Memberships/ Positions/ Referee	<ul style="list-style-type: none"> ➤ Life member of Professional Fisheries Graduates Forum (PFGF). (A prelude to fisheries council of India), Mumbai, India. ➤ Life member of Association of Fisheries College Alumni (AFCA) of Fisheries College and Research Institute, Tuticorin, Tamil Nadu. ➤ Life member of Association of Aquaculturist, CIFA, Bhubaneswar, Odisha
Masters Dissertation Work (M.F.Sc.,)	Development of chitosan nanoparticle based delivery system of yeast RNA for <i>Labeo rohita</i> fingerlings

AWARDS/PRIZES/ SCHOLARSHIPS RECEIVED

- Conferred with **Best Publication of the Year Award** for the year 2012-13 by the Central Institute of Fisheries Education, Mumbai, India for the publication in PLoS ONE, February, 2013, Vol: 8, Issue: 2.
- Awarded **Alltech Young Scientist Award (US\$ 1000) for ranking Third position in Asia-Pacific Region** through global graduate competition by Alltech during the year 2011.
- Awarded **Alltech Young Scientist Award Gold Medal for ranking First place in India** conducted by Alltech during the year 2011.
- Awarded **Institutional Fellowship by ICAR for pursuing Post-graduation** (Fish Nutrition, Biochemistry and Physiology) in CIFE, Mumbai through All India Competitive Exam-ICAR for the academic year 2008-10.
- Secured **School First Place in Higher Secondary School Exam** during the academic year 2003-2004.

Seminars/Symposia/Forums Participated

- Participated ICAR Sponsored Winter School on “Advanced concepts and techniques to augment reproduction in livestock” at National Institute of Animal Nutrition and Physiology (NIANP), Bengaluru from 12th November to 2nd December, 2014.
- Participated National Workshop on “Freshwater Fish Taxonomy” at Imphal, Manipur jointly organized by Manipur University and NBFGR, Lucknow from 22nd to 26th September, 2014.
- Participated in Consultation workshop on “Self-Sufficient and Sustainable Aquaculture in North-Eastern Region” on 5th February, 2014 at Agartala, Tripura, India.
- Participated ICAR Sponsored Winter School on “Advances in Experimental Designs for Development of Technologies in Agriculture” organized by IASRI, New Delhi from 23rd October to 12th November, 2013.
- Participated and presented in the workshop of “Quality Fish Seed: Principle vs Practice” jointly organised by CIFA and NFDB on 23-24 September, 2013 at Bhubaneswar.

- Participated in Market – Led Extension training programme conducted by Extension Education Institute, Hyderabad held during 05th to 08th March, 2012.
- Under gone National Training Programme on Technologies for “Fish preservation and Development of Value Added Fish Products from Low Priced Fish” organized by the Dept. of Fish Processing Technology, College of Fishery Science, SVVU, Muthukur, Andhra Pradesh from 24.02.2011 to 02.03.2011.
- Participated in the workshop on Fluorescence Steady State and Lifetime Analysis and Rheology for Nanotechnology organized by the National Centre for Nanomaterials and Nanotechnology, University of Mumbai on 7th and 9th December, 2010.
- Participated in National Symposium on Climate Change and Marine Biodiversity held at Faculty of Marine Science, Annamalai University, Parangipettai, Tamil Nadu, on 26th February, 2010.

List of Research Publications

1.	National and International Research Journals	<p>Sangram Ketan Sahoo, Shiba Shankar Giri, Manoranjan Paramanik and Shajahan Ferosekhan. 2015. Hatchery rearing of an endangered catfish, <i>Horabagrus brachysoma</i>: effect of larval age at stocking on growth and survival during fingerling production. <i>Journal of Applied Aquaculture</i> (Accepted).</p> <p>S.K. Sahoo, S. Ferosekhan, S.S. Giri, A. Saha and M. Paramanik. 2015. Embryonic and larval development of yellow tail catfish, <i>Pangasius pangasius</i>. <i>Journal of Aquaculture Research & Development</i> (Accepted).</p> <p>Binod Bihari Sahu, Manoj Kumar Pati, Shajahan Ferosekhan, Nirmal Kumar Biswal, Bijay Kumar Mohanty, Dipak Kumar Senapati and Pallipuram Jayasankar. 2014. Carcass characteristics of marketable size Hilsa, <i>Tenualosa ilisha</i> (Hamilton, 1822). <i>International Journal of Fisheries and Aquatic Studies</i>; 2(2): 137-141.</p> <p>Manoranjan Paramanik, Shajahan Ferosekhan and Sangram K. Sahoo. 2014. Does the dark 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>Paramanik M, Ferosekhan S, Sahoo S.K. 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>B.B. Sahu, M.K. Pati, N.K. Barik, P. Routray, S. Ferosekhan, D.K. Senapati and P. Jayasankar. 2014. Record of Skeletal</p>
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		<p>System and Pin Bones in Table Size Hilsa <i>Tenualosa ilisha</i> (Hamilton, 1822). <i>World Journal of Fish and Marine Sciences</i> 6 (3): 241-244.</p> <p>S. K. Sahoo, S. S. Giri, M. Paramanik and S. Ferosekhan. 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> <p>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. <i>Current Nanoscience</i>, 10(3): 453-464.</p> <p>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. <i>PLoS ONE.</i>, 8(9): e74743.</p> <p>M. A., Sharma, R., Gupta, S., Ferosekhan, S., Ramya, V. L., et al. 2013. Chitosan-Nanoconjugated Hormone Nanoparticles for Sustained Surge of Gonadotropins and Enhanced Reproductive Output in Female Fish. <i>PLoS ONE.</i>, 8(2): e57094.</p>
2.	Popular Article	<p>S.K. Sahoo, S. Ferosekhan, M. Paramanik, S.K. Swain. 2014. Hatchery Production of the Yellow Catfish <i>Horabagrus brachysoma</i> in India. <i>World Aquaculture</i>, December-2014, 52-54.</p> <p>Ferosekhan, S., 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>Ferosekhan, S., 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>Ferosekhan, S. and Antony Jesu Prabhu, P. 2012. Microbial Biofilm: A Biological Tool to Improve Water Quality. <i>Aqua International</i>, January: 28-29.</p> <p>Linga Prabu, D., Arun Sudhagar, S. and Ferosekhan, S. 2010. Fresh Water Pearl Production Integrated with Ornamental Fishes: For Profit Motive. <i>Aquafind</i>. URL: aquafind.com/articles/Freshwater-Pearls.php</p>

		<p>Peter Amala Sujith, A. and Ferosekhan, S. 2007. Microgravity – A Vantage Point for Food Processing. <i>Beverage and Food World</i>, October: 64-67.</p> <p>Peter Amala Sujith, A. and Ferosekhan, S. 2006. Nanotechnology: A miniscule miracle in Seafood Industry and Aquaculture. <i>Aqua International</i>, December: 21-26.</p> <p>Jeyakumar, N., Peter Amala Sujith, A. and Ferosekhan, S. 2006. Glucosamine & Chondroitin Sulphate. A Magical Wand in the Medical Hand. <i>Pashudhan</i>, November: 7.</p> <p>Peter Amala Sujith, A. and Ferosekhan, S. 2006. Role of Nanotechnology in Effective Food Design and Packaging. <i>Seafood Export Journal</i>, September: 17-21.</p> <p>Peter Amala Sujith, A. and Ferosekhan, S. 2006. Pulsed Light Technology – A Boon For Seafood Processing. <i>Seafood Export Journal</i>, July: 5-7 and 13.</p>
<p>3.</p>	<p>Books chapter</p>	<p>Sivaramakrishnan, T., Ferosekhan, S., 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>Sahoo, S. K. and Ferosekhan, S. 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 24-25th Sept., 2013. Pp. 27-31.</p> <p>Sahoo, S. K., Ferosekhan, S. 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>