

Matsya Darpan

Newsletter of ICAR-CIFE, Mumbai

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January - March 2025

DIRECTOR'S DESK

The Indian fisheries sector plays a crucial role in the nation's economy by contributing to food security, employment, and exports. Government initiatives of various schemes like PMMSY have fostered the sustainable fisheries and aquaculture growth and supported socio-economic welfare and boosting inland and marine fisheries. The ICAR-Central Institute of Fisheries Education (CIFE) has marked several innovations in technologies, academic excellence and organised demand driven programmes to cater the success of sector. CIFE conducted diverse capacity-building programs in frontier areas across subject such as aquatic animal disease management, seafood safety, and training in integrated aquaculture, fish farming, fish health, and livelihood improvement for tribal communities.



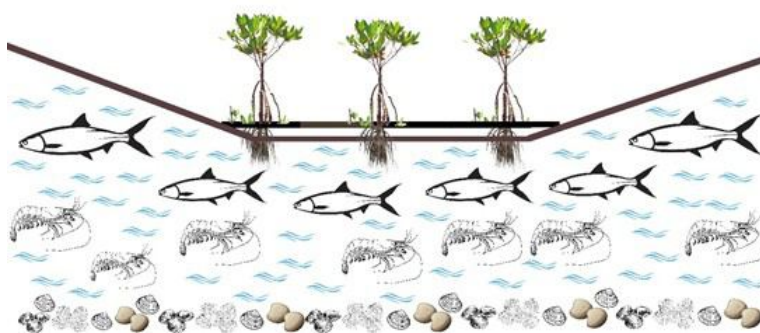
ICAR-CIFE also organized national and international events, awareness programs, and signed MoUs with stakeholders like M/s M.M. Fish Seed Cultivation Pvt. Ltd. Apart from these; the institute organized National Science Day & Fish Swad 2025, an event to celebrate the diversity of fish-based cuisines from all over India for encouraging young talent and XVIIIth Convocation Ceremony of the institute in a grand manner. During the first quarter of 2025, CIFE published 19 peer-reviewed research papers in high-impact factor journals. The accomplishments of CIFE were appreciated by the Research Advisory Council. It's newsletter, Matsya Darpan, highlights these contributions and aims to inform readers about the institute's impactful activities. I thank all members for bringing this edition of *Matsya Darpan*.

Research

Technology Developed

ICAR-CIFE has developed an **"Eco-Aqua Mangrove IMTA system (Halophyte Integrated Multi-Trophic Aquaculture for Sustainable Brackish Water Aquaculture)"** for the benefit of multiple stake holders in brackish water aquaculture.

Intensive aquaculture systems, particularly shrimp farming, contribute significantly to nutrient pollution and environmental degradation due to inefficient nutrient utilization and untreated wastewater discharge. These issues lead to eutrophication, reduced biodiversity, and water quality deterioration, threatening the sustainability of aquaculture practices. The Eco-Aqua Mangrove IMTA System leverages the natural filtration capacity of halophytes and bivalves to extract organic and inorganic nutrients from aquaculture wastewater, reducing harmful nitrogen and phosphorus levels.



This system improves water quality, enhances the health of cultured species, and mitigates environmental impacts. Halophytes as Biofilters: *Avicennia officinalis* and *Bruguiera gymnorhiza* remove eutrophic pollutants while promoting nitrification and denitrification processes. Improved Productivity: Higher survival rates, specific growth rates (SGR), and feed conversion efficiency in shrimp and fish. Environmentally Friendly: Significant reduction in ammonia, nitrite, nitrate, and phosphorus levels in the culture. Integrated System: Combines diverse species with complementary roles in nutrient recycling and resource optimization.

ICAR-CIFE Celebrated its XVIII Convocation to Confer Degrees



On 8th March 2025, Director and Vice Chancellor of ICAR-CIFE, Dr. Ravishankar C.N., conferred degrees to 91 Master's and 51 Ph.D. students in this convocation. Hon'ble Mr. George Kurian, Minister of State for Fisheries, Animal Husbandry, Dairying and Minority Affairs was the Chief Guest of the function and Guests of Honour, Dr. Joykrushna Jena, Deputy Director General (Fisheries Science), ICAR, and Dr. Prof Nazir Ahmad Ganai, Vice Chancellor, Sher-e-Kashmir University of Agricultural Science and Technology (SKUAST), Srinagar also graced the occasion. The Chief Guest lauded the role of professional fisheries education in supporting a thriving and rapidly growing sector that employs up to 28 million people across India. Further, CIFE, other ICAR Fisheries Institutes and Agricultural Universities have to develop advanced technologies that can lead to enterprises. He appreciated CIFE's efforts to promote student entrepreneurship that will contribute to the transformation of India from a service economy to a knowledge-based economy and fulfill the dream of becoming 'Viksit Bharat' by 2047. He congratulated the students who excelled and won medals, and urged CIFE to continue to augment its stature in the field of higher education.

Fish Swad 3.0 (2025): A Celebration of India's Rich Fish Cuisine



On January 26, 2025, the Fish Swad 2025 event, held at the Lawns of CIFE, Mumbai, drew approximately 1,500 attendees, creating a vibrant atmosphere of culinary exploration. The event was designed to celebrate the diversity of fish-based cuisines from all over India. Several esteemed sponsors and partners were PMMSY (Pradhan Mantri Matsya Sampada Yojana), ICAR (Indian Council of Agricultural Research), SBI (State Bank of India), NFDB (National Fisheries Development Board), MPEDA (Marine Products Export Development Authority), and the Indian Fisheries Association. These organizations played a pivotal role in supporting the event, ensuring its smooth execution, and promoting the sustainable growth of the fisheries sector in India. The event was inaugurated by Dr. Raghavendra Bhatt, the Deputy Director General (Animal Science), Indian Council of Agricultural Research New Delhi in the presence of Dr. J.K. Jena, the Deputy Director General of Fisheries Science (ICAR, New Delhi), and Dr. B.K. Behera, the Chief Executive of the National Fisheries Development Board (NFDB), Hyderabad who attended as Guest of Honour.

Centre for Advanced Faculty Training (CAFT) in Fisheries Science on “Current Approaches and New Strategies in Aquatic Animal Disease Diagnostics and Vaccination”



ICAR Sponsored 21 day's Centre for Advanced Faculty Training (CAFT) in Fisheries Science on 'Current Approaches and New Strategies in Aquatic Animal Disease Diagnostics and Vaccination' was organized by the Aquatic Environment and Health Management Division of ICAR-CIFE, Mumbai during 8-28 January. This CAFT program was

designed to accustom the participants with the current approaches and techniques in fish and shellfish disease diagnosis and advances in vaccination. Along with the faculty of AEHM and CIFE other guest lectures in the programme was delivered by Prof. Dr. Iddya Karunasagar, Prof. Dr. Indrani Karunasagar, Director Projects and DST TEC, Nitte University Mangalore, Prof. Dr. K.V. Rajendran, former Head and Principal Scientist AEHM Division, ICAR-CIFE, Mumbai, Prof. Dr. Jyoti Iravane, Head, Department of Microbiology, Government Medical college, Aurangabad, Dr. M. Sashi Sekhar, Principal Scientist and Head, Aquatic Animal Health and Environment Division, ICAR-CIBA Chennai, Dr. Priyabrat Swain, Principal Scientist, Fish Health Management Division, ICAR-CIFA, Bhubaneswar, Dr. Gaurav Rathore, Principal Scientist, Fish Health Management & Exotics Division, ICAR-NBFGR, Lucknow, and Dr. Santhosh M., Deputy Commissioner, Animal Quarantine and Certification Services Gol, Navi Mumbai.

Winter School on “Analytical Tools in Seafood Quality Management and Risk Assessment”



The Fish Processing Technology of ICAR-CIFE, Mumbai conducted the ICAR-sponsored 21 days' Winter School training programme on “Analytical Tools in Seafood Quality Management and Risk Assessment” during 08 to 28 January, 2025. This winter school program was designed to acquaint the participants with the advanced techniques used in microbiological and biochemical seafood quality analyses. In total, 13 trainees participated in this hands-on training programme, comprising of assistant professors and scientists from various state agricultural universities and research institutes in Jammu and Kashmir, Assam, Tamil Nadu, and Maharashtra. The invited speakers included Prof.

Iddya Karunasagar, Senior International Food Safety Consultant (FAO); Prof. Indrani Karunasagar, Director (Projects & DST-TEC), Nitte University, Mangalore; Dr. L. Narasimha Murthy, Principal Scientist, ICARCIFT, Mumbai; Dr. Rabi Narayan Sahoo, Principal Scientist, ICAR-IARI, New Delhi, Dr. A. K. Balange, Principal Scientist & Head, ICAR-IARI, Assam, Dr. K.V. Rajendran, Former Principal Scientist & HoD, ICAR-CIFE, Mumbai and Dr. Parvathi A, Professor & Head, Department of Marine Biology, CUSAT, Kochi.

Research Advisory Committee (RAC-2025)

The Meeting of the Research Advisory Committee (RAC) of the ICAR-Central Institute of Fisheries Education (CIFE), Mumbai, was held during 11-12 March, 2025 in hybrid mode. Dr. S. Ayyappan Former Director General, ICAR chairperson of RAC, Dr. J. K. Jena, Deputy Director General (Fishery Science), ICAR; Dr. C. N. Ravishankar, Director, CIFE; Dr. P. K. Mukhopadhyay, Dr. (Ms.) Krishna Srinath, Dr. P. Jayasankar, Dr. Sudhir Raizada, Dr. Pravin Puthra, Dr. (Ms.) V. Kripa, Dr. N. P. Sahu, Joint Director, CIFE; and Dr. S. P. Shukla, Member Secretary (RAC), the Heads of Divisions and Scientists at the Headquarters, Mumbai, as well as Regional centres. viz., Kolkata, Rohtak, Powarkheda, Motipur and Kakinada participated in the meeting, in person or in a virtual mode. The presentations by the Heads of the Divisions at the Headquarters and the Scientist In charges (SICs) of the Regional Centres highlighted the ongoing research activities, collaborations, along with the teaching & training activities and related aspects. The RAC provided valuable inputs on the new concept notes for consideration in the forthcoming IRC of the Institute.



International Conference on Fisheries Biotechnology



ICAR-CIFE, Mumbai, in collaboration with the Indian Fisheries Association (IFA), Mumbai organized the International Conference on Fisheries Biotechnology “Biotechnology for Alternative Protein, Cultivated Seafood & Blue Revolution” from 17 to 18 March 2025. In inauguration, Dr. Raghavendra Bhatta, Deputy Director General (Animal Science) emphasized the significance of the conference in providing a platform for fruitful scientific deliberation and interaction among the scientific community and other stakeholders in the area. Dr. W. S. Lakra, Secretary of the National Academy of Agricultural Sciences and Guest of Honour stressed the importance of fish biotechnology research in the development of fisheries and aquaculture sector of the country. Over 300 participants including eminent scientists from abroad including countries such as Canada, Japan, Netherlands, Singapore, and USA and from India from IIT Bombay, IIT Madras, IIT Guwahati, CCMB Hyderabad, IISc Bengaluru, NIO Goa, CMLRI Kochi, Dr. Babasaheb Ambedkar Marathwada University Chhatrapati Sambhajinagar, Gujarat Biotechnology University Gandhinagar, Banaras Hindu University Varanasi, and student researchers from the ICAR and other renowned Indian research institutes and universities, representatives from the National Fisheries Development Board, the Department of Biotechnology, and industries such as M/s. Himedia Labs Pvt. Ltd., Mumbai, M/s. MyoWorks Pvt. Ltd., Mumbai and M/s. Neat Meatt, Pvt. Ltd., Hyderabad participated in the conference.

“IS 15000 (HACCP) & IS 2491: A Comprehensive Approach to Food Safety & Hygiene



The Bureau of Indian Standards, New Delhi in association with ICAR-CIFE, Mumbai organized a seminar on “IS 15000 (HACCP) & IS 2491: A Comprehensive Approach to Food Safety & Hygiene” at ICAR-CIFE, Mumbai on 24 February 2025. Dr. Ravishankar C. N., Director & Vice-Chancellor, ICAR-CIFE and Chairperson, FAD 15 sectional committee of BIS emphasized the importance of framing and implementation of food safety standards. The inaugural address was delivered by Ms. Lavika Singh, Scientist-C/Deputy Director BIS who gave a brief overview of the BIS initiatives. Dr. B. B. Nayak, Head, FRPHM Division and panel member of FAD 12 sectional committee of BIS talked on standards specific to fish and fishery products. This was followed by sessions on “IS 15000 (HACCP): Principles, Implementation & Best Practices” by Ms. Chinmayee Deulgaonkar, Managing Director, Food Chain ID, and “Understanding General Principle for Food Hygiene: IS 2491” by Dr. Prabodh Halde, Head, Regulatory Marico Ltd. The seminar concluded with a panel discussion on “Strengthening Food Safety Frameworks Through Standardization” in which eminent panellists including Dr. R. Visvanathan, Retired Professor, Tamil Nadu Agricultural University representing the academia, Dr. Nitin Wagh, from seafood industry and Mr. Harbans Wadhwa, from Consumer Voice, New Delhi, representing the consumer organization participated in fruitful deliberations on standardization of food safety regulations for the benefit of consumers.

Graduate Students Urged to Research on Fisheries Geopolitics

A panel discussion conducted during the launch event of Converse & Conquer, a stimulating conversation series on fisheries, at ICAR-CIFE on 10 March 2025, Mumbai. The series conceived by the Indian Fisheries Association (IFA) and the Postgraduate School Students Union (PGSSU-CIFE), aims at engaging the movers and shakers of Indian and global fisheries to enlighten, and inspire the next generation of fisheries professionals and scholars. An alumnus of CIFE, Dr. P. Krishnan, Director, BOBP-IGO & CIFE alumnus, delivered a



thought-provoking session on Breaking Myths & Building Perspectives in Fisheries Management. Amb. CSR Ram, Joint Secretary (BIMSTEC & SAARC), Ministry of External Affairs, GoI, emphasized the importance of regional collaboration in the Indian Ocean Region. He highlighted the role of BIMReN (BIMSTEC-India Marine Research Network) in bringing together diverse stakeholders, regionally, to explore new avenues for fisheries development and cooperation. He underlined the potential for knowledge exchange that would have a lasting impact on fisheries science and management worldwide by creating opportunities for foreign students to engage in fisheries studies in India.

76th Republic Day Celebration



ICAR-CIFE, Mumbai and five different centres celebrated the 76th Republic Day of India with great enthusiasm. On this occasion, the Director and Vice Chancellor of the Institute, Dr. Ravishankar C.N. hoisted the National Flag and recalled the sacrifices made by our ancestors to make India a sovereign republic and also highlighted the latest progress of India in the concept of developed India. After this, cultural programs were also presented by the students and employees. On this occasion ICAR, DDG Animal Science Dr. Raghavendra Bhatta, Joint Director Dr. N.P. Sahu, Heads of various Divisions, scientists, other officers and staff along with students and trainees also attended the function.

Training on 'Molecular Taxonomy and DNA Barcodes'

A short-term training program on 'Molecular Taxonomy and DNA Barcodes' was organized by the Fisheries Resource Management Department, ICAR-CIFE, from 20 to 27 January 2025 in Mumbai. The training aims to provide overviews and the significance of molecular taxonomy in species authentication, preventing seafood mislabeling, and combating illegal, unreported, and unregulated (IUU) fishing. A total 20 participants (13 women and 9 men) from various prestigious institutions, including ICAR-Indian Sugarcane Research Institute, Haryana Agricultural University (Hisar), Kerala University of Fisheries and Ocean Sciences (KUFOS), Mithibai College (Mumbai), and ICAR-National Bureau of Fish Genetic Resources (Lucknow) were attended this training.

Swachhta Programme in Fish Market

ICAR-CIFE, Mumbai successfully organized the "Swachhta Programme" at two major fish markets in New Delhi and three fish markets in Kanpur during February 15 to 19, 2025. This initiative was part of the project titled "Swachhta Action Plan and Commercial Utilization of Fish Waste in Urban Fish Markets," funded by ICAR, New Delhi. This programme successfully fostered collaboration between ICAR-CIFE and local fish market stakeholders, reinforcing the importance of cleanliness and sustainable waste management in urban fish markets.

Inauguration of Dr. S.N. Dwivedi Aquaculture Complex



The Dr. S.N. Dwivedi Aquaculture Complex, Division of Aquaculture, ICAR-Central Institute of Fisheries Education (CIFE), Mumbai, was formally inaugurated on March 8, 2025 by Shri George Kurian, Hon'ble Union Minister of Fisheries, Animal Husbandry & Dairying, and Minority Affairs, Government of India. This complex consists of 39 aquariums, state-of-the-art complex features a cutting-edge experimental wetlab, a dedicated Ornamental Fish Breeding Unit, Recirculatory Aquaculture Systems, two aquaponics units, a biofloc system, two outdoor rearing facilities, and a recreational angling zone, making it a multifaceted hub for education, research, and public engagement.

Hindi Workshop

An online workshop on "Standard Spelling and Terminology" was organized for the staff members of the Headquarters and Sub-Centres at ICAR-CIFE, Mumbai on 25th March 2025. A total of 24 participants from the Institute and Sub-Centres participated in this workshop, in which 16 officers and 08 other officials were present. Shri Sanjay Bokolia, Joint Director (Administration) and Senior Registrar highlighted that as per the Official Language Guidelines, our institution comes under "B" region, therefore we have to do 90% of our work in Hindi and if all the staff members work diligently in accordance with it, then the dissemination of Hindi can be done. The guest speaker, Smt. Gargi Gadgil, Assistant Director and Head of Office, Hindi Teaching Scheme discussed about standard spelling, consonants, vowels, case signs, usage of local words and foreign words in Hindi etc. She urged all the participants to use Hindi as much as possible in their official work so that the target set by the Department of Official Language can be achieved.



Awareness programs

Following awareness programs conducted during January-March 2025:

S.No.	Name of the program	Date	Beneficiaries
1.	Importance of Fish Health Management in Aquaculture under the program on "महीने का अंतिम वृहस्पतिवार: मन की बात मत्स्य किसानों के साथ "	30th January 2025	Farmers from different states
2.	Awareness programme under Agri-Business Incubation Centre in RRTC, Motipur	21st February 2025	Farmers and other stakeholders.
3.	IP Sensitization Programme during "National Science Day 2025" celebration	28th February 2025	Students and faculty of ICAR-CIFE
4.	Samudra Swad 2025	02nd March 2025	SHG members and other stakeholders.

Participation in Exhibition and Seafood festivals

The institute participated in following exhibition and seafood festivals during January to March, 2025:

S.No.	Name of the program	Period
1.	Vesava Koli Seafood Festival, Versova, Mumbai	10-12 January 2025
2.	Juhu Koliwada Seafood Festival, Santacruz, Mumbai	08-09 February 2025
3.	Advantage Vidarbha- Khasadar Audyogik Mahotsav-Vidarbha Advantage Mega Industrial Expo Business and Investment Conclave at Nagpur	07-09 February 2025
4.	14th Asian Fisheries and Aquaculture Forum (Greening the Blue Growth in Asia-Pacific) at New Delhi	12-15 February 2025

SCSP/TSP/NEH Training Programmes

S. No.	Title of the Program	SCSP/TSP/NEH	Period	Venue	No. of Participants
1.	Integrated Multi-Trophic Aquaculture (IMTA) Model	TSP	23-25 January, 2025	Dorwa Kundwa Gaow, Hazaribagh District, Jharkhand	80
2.	Scientific Methods of Integrated Fish Farming	SCSP	03 February, 2025	Puthimari Village, Moirambhitha Shuba, Bajali, Assam	300
3.	Preparation of Prawn/Fish Pickles	TSP	04-06 February, 2025	Koloriang	25
4.	Fish Health Management	SCSP	27 February - 01 March, 2025	Farhada, Mungeli District, Chhattisgarh	30
5.	Culture of Magur for improving livelihood in small water bodies in Gomati district	NEH	24 March, 2025	Krishi Vigyan Kendra, Gomati, Tripura	50
6.	Empowering Tribal Communities through Skill Development in Sustainable Fishing Technology	TSP	19 March, 2025	Dharavli Tribal Village Society, Madh, Mumbai	51
7.	Fish Health Management under Best Management Practices in Aquaculture	SCSP	20-21 March, 2025	Gaya District, Bihar	35
8.	Culture of Genetically Improved Fish Species	TSP	24-25 March, 2025	Navapur, Nandurbar	98



Recreational fishing (Angling) open for the public



Shri George Kurian, Hon'ble Union MoFAHD&MA, Government of India visited Fish museum

Best publications of the quarter (Jan-March 2025)



Thapa, Abhilash, Neha W. Qureshi, P. S. Ananthan, Dibakar Bhakta, and Piyashi Debroy. Non-consumptive value of hilsa fishery restoration in West Bengal, India: An application of contingent valuation method. *Journal of Environmental Management* Jan, 373 (2025): 124016. **(Impact Factor 8.4)**



Dash RK, Kumar K, Shukla SP, Kumar S, Karmakar S, Paul T. Effect of triclosan on phosphate solubilising bacteria in mangrove ecosystem: In-vitro and In-vivo. *Journal of Hazardous Materials Letters*, 2025 Jan, 6, p.100136. **(Impact Factor 8.1)**

ICAR-CIFE, Mumbai has developed grow-out feed for freshwater catfish and technology transferred to M.M. Fish Seed Cultivation Pvt. Ltd.

A Memorandum of Agreement (MoA) was signed between the ICAR- CIFE, Mumbai, and M.M. Fish Seed Cultivation Pvt. Ltd., Bilaspur, Chhattisgarh for a period of five years in a non-exclusive basis on 06 February 2025 for the commercialization of "CIFE-PangasShakti", a specially developed grow-out feed for freshwater catfish, *Pangasianodon hypophthalmus*.



Awards/Recognition

- Dr. Debjit Sarma, Principal Scientist & Head, Division of Aquaculture acted as member in Annual Review Meeting BIMSTEC-India Marine Research Network (BIMReN) 10-11 March, 2025 & TEC, DBT, Govt. of India, New Delhi.
- Dr. Debjit Sarma, Principal Scientist & Head, Division of Aquaculture acted as Lead Editor for the Special Issue on "Advances in Aquaculture and Species Diversification", *Journal of Applied Ichthyology*; Editorial Board Member for the the Journal Scientific Reports, *Journal of Indian Ecological Society* and Consulting Editor for the *Journal of Environment Biology*.

Invited as Speakers:

- Dr. N.P. Sahu, Joint Director delivered a Lead Lecture on "Fish Nutrition Innovation: Pathway to Climate-Resilient Aquaculture for Livelihood, Food and Nutritional Scecurity" at WANACON-2025, World Animal Nutrition Conference at Nagpur Veterinary College, Nagpur during 20-22 January 2025.
- Dr. Debjit Sarma, Principal Scientist & Head, Division of Aquaculture delivered key note lecture in 77th Bajali Adhibeshan of Assam Sahitya Sabha, Assam held during 28 Jan-4Feb., 2025.
- Dr. Neha W. Qureshi, Senior Sceintist delivered a lecture on "Underdogs of Statistics: Understanding Parametric and Non-Parametric Tests" at Faculty of Fisheries, SKUAST-K in a training program during 17-18 March 2025
- Dr. Neha W. Qureshi, Senior Sceintist invited as a resource person to deliver a lecture in a training program" Fisheries Social Science Research Methods" organized by Asian Fisheries Social Science Network (AFSSRN) during Feb 11-15, 2025 at New Delhi, India.
- Dr. Manjusha L. & Dr. Saurav Kumar Senior Scientist invited as a chief guest and delivered a lecture in a National Seminar on "Towards Circular Bioeconomy-Extraction of Waste from Value" held on 25 March 2025 at ICAR-CIFT, CBD Belapur, Navi Mumbai.

Administration

Transfer & Joining

S.No.	Name of the Officer,	Present Post	Transfer From	Transfer To	w.e.f.
1.	Shri Sanjay Bokolia	JD (Admn.) & SR	ICAR-IASRI, New Delhi	ICAR-CIFE, Mumbai	20 Feb 2025
2.	Shri K.L. Meena	CAO (SG)	ICAR-CIFE, Mumbai	ICAR HQs, New Delhi	17 Feb 2025
3.	Shri Naveen Kumar	SAO	ICAR-CIRCOT, Mumbai	ICAR-CIFE, Mumbai	06 Jan 2025
4.	Dr. Vimal K. Yadav	Senior Scientist	ICAR-CIFE, Mumbai	ICAR-DRMR, Bharatpur	17 Feb 2025
5.	Dr. Pankaj Kumar	Scientist	ICAR-CIFE Rohtak Centre	ICAR-DCFR, Bhimtal	10 Jan 2025

Promotion

S.No.	Name & Designation	Promoted Post	Date of Promotion
1.	Smt. Poonam Behel, AOSenior	Administrative Officer	01 Jan 2025
2.	Shri Shailesh V. Kasabe, FAO	Senior Finance & Accounts Officer	01 Jan 2025
3.	Shri Bharat P. Chauhan, Assistant	Assistant Administrative Officer	01 Jan 2025
4.	Shri Nandu L. Ghane, Assistant	Assistant Administrative Officer	01 Jan 2025
5.	Smt. Chaitali Raut, UDC	Assistant	01 Jan 2025
6.	Smt. M. Ramamani, UDC	Assistant	01 Jan 2025
7.	Smt. Rekha Nair, ACTO	Chief Technical Officer	28 June 2024
8.	Shri. Sanjeevan Kumar, STO	Asst. Chief Technical Officer	26 May 2021
9.	Shri Sahadev Maity, STO	Asst. Chief Technical Officer	22 March 2024

Superannuation

Shri Tapas Kumar Ghosh, Technical Officer, ICAR-CIFE Kolkata Centre was superannuated on 22.02.2025



Quiz

Name of fish that made famous by the character “Dory” in animated movie Finding Nemo
(Send you answer to

mdarpan@cife.edu.in; The name of the person who sends the correct answer first will be featured in the next issue of Matsya Darpan)

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