

ICAR-CIFE Newsletter Jan-June 2016

महरूच दर्जन Matsyadarpan

Dr. Trilochan Mohapatra, Secretary (DARE) & DG (ICAR) inaugurates the Interactive Meet of Directors & Finance Officers of ICAR Institutes (West Zone) at ICAR-CIFE, Mumbai

Dr. Trilochan Mohapatra inaugurated and chaired the Review cum Interactive Meeting of Directors & Finance Heads of ICAR Institutes of West Zone on 6th May 2016 at ICAR-CIFE. Shri S. K. Singh (IAS), Additional Secretary & Finance Advisor, DARE co-chaired the Meeting. Dr. Gopal Krishna, Director, ICAR-CIFE, Mumbai, Directors and Finance Heads from ICAR Institutes in the West Zone States participated.





PAF 3rd Congress on Social Entrepreneurship in Aquaculture

Central Institute of Fisheries Education, Mumbai organized the Congress on 'Social Entrepreneurship in Aquaculture' in collaboration with Pillay Aquaculture Foundation and Indian Fisheries Association, Mumbai from 27th to 29th April, 2016. Many government Agencies, ICAR institutes and other stakeholders participated in the Congress.

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55th Annual Day Celebration

Central Institute of Fisheries Education, Mumbai, the only national Deemed University on fisheries education, celebrated its 55th Foundation Day on 6th June, 2016. Dr. M. V. Gupta, World Food Prize Laureate (2005) graced this occasion as Chief Guest

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Matsya Kala Workshop -

An innovative workshop was organized at ICAR-CIFE, Mumbai during 11-13 May, 2016 with the objective to encourage an artistic rendition of the various facets of the life of fishing community as well as fish as a product. The talented artists from the J.J. School of Arts, Mumbai and participants from the institute were introduced to the activities and way of life in the Versova fishing village. The artist expressed their impressions in myriad ways and donated this artistic wealth to the institute which is sure to inspire students and visitors alike.



55th Annual Day Celebration at ICAR-CIFE inaugurated by World Food Prize Laureate (2005), Dr. M. V. Gupta

6th June, 2016

Central Institute of Fisheries Education, Mumbai, the only national Deemed University on fisheries education, celebrated its 55th Foundation Day on 6th June, 2016. Dr. M. V. Gupta, World Food Prize Laureate (2005) graced this occasion as Chief Guest and distributed the annual institution awards in 14 categories like Best Scientist, Best Teacher, Best Extension Scientist, etc. Guests of honour included Prof. Madhusoodana Kurup, former Vice Chancellor of Kerala University of Fisheries and Ocean Studies (KUFOS), Prof. George John, Vice Chancellor of Birsa Agricultural University, Jharkhand and Dr. A. K. Chaube, Scientist-in-charge, Mumbai Centre of National Institute of Oceanography.

Speaking in a lecture series on the theme "Higher Fisheries Education: Present Status and Future Directions", Dr. M. V. Gupta, recounted the days when he had arranged for batches of SE Asian entrepreneurs to be trained at CIFE. He stressed upon the need for India to lengthen its stride so as to maintain its 2nd position in global aquaculture production. Prof. Madhusoodana Kurup, highlighted the need for greater government emphasis and expenditure in the fisheries sector. He also put forth the view that entrepreneurship should be encouraged through skill development programs and diploma courses so that the dream of blue revolution envisaged by the

Prime Minister is realized. Prof. judged on research performance alone. George John, Vice Chancellor of Birsa Agricultural University, Jharkhand, suggested that CIFE should quantify its impact by tracking the achievements of its alumni in the fisheries sector since its inception. He was of the opinion that the sector lacks human resource of entrepreneurial capabilities and advised action in this direction. Dr. P. K. Pandey, Dean, College of Fisheries, CAU, Tripura, commented on the need to make teaching a more rewarding engagement for scientists who are often

Dr. Gopal Krishna, Director, CIFE summed up the institute's achievements in HRD and technologies such as aquaculture in inland saline areas, enhanced larval survival of indigenous magur, vaccine for white spot shrimp virus, etc. and thanked experts for their valuable suggestions for future developments in fisheries education.

The celebrations ended with a cultural program in which the staff, students and family members of CIFE participated enthusiastically.

Institutional Awards

In order to recognize the significant contributions by the Faculty, Staff Members and Students of the Institute / University, the following awards are announced for the year 2015-2016.

Best Scientist

Best Young Faculty

Best Teacher

Best Extension Scientist/

Best Division / Centre

Best Technical Staff

Best Administrative Staff

Best Supporting Staff

Award for Institutional Building

10 Award for Best Publication of the year (Highest impact Factor)

11. Award for overall Best M.F.Sc. Dissertation (2014-2015)

12 Best Young scientist (Field oriented work)

13 School Children - Highest Scorer in Class X

14 School Children -Highest scorer in Class XII

Dr. Rupam Sharma

Dr. Babita Rani A. M.

Dr. Arpita Sharma

Dr. B. K. Mahapatra

Fisheries Resources Harvest

& Post-Harvest Division

Mr. Prakash Kr. Behara

Mr. Kunal Mann and

Mr. Pradeep Angane

Mr. G. V. V. Satyanarayana

Mr. Dasari Bhoomaiah

Dr Md. Aklakur

Ms. Martina Laishram

Dr A. K Balange Master Abhinav Rathore S/o Dr Gaurav Rathore Master Ayush Grover S/o Mrs. Anu Grover



Dr. Gopal Krishna, Director, ICAR-Central Institute of Fisheries Education was awarded as one of the 100 Most Influential Directors of India (Education) by World Education Congress

Training progr	ammes	(Jan-Jun 2016)		



PAF 3rd Congress on Social Entrepreneurship in Aquaculture

27 to 29 April, 2016

Central Institute of Fisheries Education, Mumbai organized the Congress on 'Social Entrepreneurship in Aquaculture' in collaboration with Pillay Aquaculture Foundation and Indian Fisheries Association, Mumbai from 27th to 29th April, 2016. Many government Agencies, ICAR institutes and other stakeholders participated in the Congress.

The Congress was inaugurated by Dr. Mangala Rai, former Secretary, DARE & Director General, ICAR, New Delhi and presently Vice Chancellor, GBPUA&T, Pantnagar. He highlighted the importance of water, need to understand its cost and budgeting, and role of social entrepreneurs in fisheries and aquaculture. Dr. J.K. Jena, Deputy Director General (Fisheries Science), ICAR, New Delhi presided over the function. He outlined the challenges in enhancing fish production to reach the targeted production. Dr. Gopal Krishna, Director/Vice Chancellor, Ashoka Innovators for the Public, Dr. ICAR-CIFE welcomed the dignitaries. In his address, he emphasized on the importance of social entrepreneurship in aquaculture. He also highlighted the role of Social Entrepreneurs having innovative ideas, passion to do good to the society and compassion for environment and equity to improve the production, processing and marketing of fish and fish products through empowering women and the poor farmers and fishermen. The objective of the Congress was to attract the attention of the policy makers and stakeholders to help in the emergence of a cadre of social entrepreneurs in aquaculture through policy support, trainings and leadership development. Theme of the Congress was presented by the Secretary PAF Dr. P. Keshavanath on behalf of the President of the PAF, Dr. V.R.P. Sinha.

Dr. Cherdsak Virapat, DG, NACA, Dr. Vishnu Swaminathan of S.D. Tripathi, and Dr. W.S. Lakra former Directors/Vice Chancellors CIFE were Guests of Honour, while Dr. Satyajit Mazumdar of Tata Institute of Social Sciences, Mumbai was a Special Guest. Over 250 delegates from different parts of the country as well as from abroad consisting of academia, management experts, aquaculture practitioners, policy makers and planners, administrators, NGOs and students attended the Congress. Mr. Pongpat Boonchuwong, NACA Mentor in Fisheries and Aquaculture Economics, Dr. A.S. Ninawe, former Vice Chancellor, MAFSU and Advisor DBT, Dr. S.C. Pathak, former Chief General Manager, NABARD, Dr. A.K. Singh, Director, DCFR, Bhimtal, Dr. Jitendra Sinha of SAI, Professor P.N Panday, President, ZSI, Professors B.N. Pandey, G.K. Kulkarni and Y.K. Khillare were among the notable participants.

International Day of Yoga was celebrated at ICAR-CIFE, Mumbai



International Day of Yoga, 21st June 2016 was celebrated with great enthusiasm at ICAR-CIFE, Mumbai. ICAR-CIFE organized a 'Yoga by the Mangroves Workshop' in which two Yoga instructors taught Yoga to keen audience comprising of ICAR-CIFE staff and their families, students and also the staff of Mumbai Research Centre of ICAR-CMFRI.



Hindi Book Fair January 2016



XXI Extension Council Meeting 30 January, 2016



Research Advisory Council Meeting 26-27 February, 2016



Academic Council Meeting 15 March, 2016



Ms. Chitra-Anagha U.Joshi, Assistant, ICAR-CIFE, Mumbai received "Cash Award Scheme for Administrative Category Employees of ICAR"

16 July, 2016



Training programme on Aquaculture Project Formulation & Management Government of TelanganaApril 2016





ICAR-CIFE Industry Day held at CIFE Kolkata Centre to improve collaboration between academic institutions and industries 1st March. 2016

ICAR-Central Institute of Fisheries Education, Mumbai organized Industry Day at its Kolkata Centre on 1st March, 2016. Representatives from processing industries along with entrepreneurs and exporters of ornamental fishes and product exporters were present. The programme was inaugurated by the Chief Guest, Shri. Sumanta Chaudhury, IAS, Additional Chief Secretary, Department of Fisheries, Govt. of West Bengal. The other dignitaries were Mrs. Malabika Jha, Director, Directorate of Fisheries, Govt. of W.B. and Dr. A. K. Sanyal, Chairman, State Biodiversity Board, West Bengal. Industry people were invited with contract research mode for preparation of demand driven

quality products in respect of fish feed and fish health and to give a thought on conservation of indigenous fish species for livelihood of resource poor fishermen. On this occasion CIFE released some products like prawn pickle, feed for enhancing the colour of ornamental fish, slow sinking feed compatible for polyculture system for carps and prawn and a low cost

simple water testing kit for farmers for on spot testing of dissolved oxygen of pond, which were developed by the scientists of CIFE Kolkata Centre. On this occasion, few leaflets and posters on Breeding of Corycat, Breeding of



Angel, Slow sinking extruded pellets for carp and prawn based polyculture system, prawn pickle, marine ornamental fishes of West Bengal, Commercial important shellfishes of West Bengal and ornamental fishes of North-East India were released.

CAFT Training Programme on Ornamental Fish Breeding and Culture -



The Centre of Advanced Faculty Training (CAFT) course on "Ornamental Fish Breeding and Culture" sponsored by Agricultural Education Division, ICAR (CBP) was organized by ICAR-CIFE, Kolkata Centre during 2–22 March, 2016. Thirteen participants from West Bengal, Bihar, Tamil Nadu, Gujarat, Telengana and Jammu & Kashmir and ICAR institutions attended the training programme. The participants were exposed to breeding and culture practices of freshwater and marine water indigenous and exotic ornamental fishes. Local field trips were arranged to expose the participants in different aspects of the trade.

STP on "Application of Molecular Markers in Fisheries and Aquaculture"

Thirteen research scholars from Kerala University of Fisheries and Ocean sciences, Kerala; Acharya Nagarjuna University, Andhra Pradesh and Mumbai University, Maharashtra underwent training in "Application of Molecular Markers in Fisheries and Aquaculture" organized by Fish Genetics and Biotechnology division, ICAR-CIFE from 30th May to 4th June 2016. The training was directed by Dr. Aparna Chaudhari and coordinated by Dr. A. Pavan Kumar and Dr. Gireesh Babu P. Theoretical aspects on selection of molecular markers for phylogeny and population studies, RAPD, PCR-RFLP, microsatellites and DNA barcoding were covered



along with hands-on training on related techniques and software. A training manual was also provided to the trainees. During the valedictory function, Dr. Gopal Krishna, Director, ICAR-CIFE advised participants to use the techniques learnt from this training innovatively to address research problems in their respective field of study.



Dr. T. Mohapatra, Secretary, DARE & Director General, ICAR with Dr. J. K. Jena, Deputy Director General (Fisheries) of ICAR, New Delhi visits ICAR-CIFE, Kolkata Centre

Dr. Trilochan Mohapatra, Secretary DARE & Director General, ICAR with Dr. J. K. Jena, Deputy Director General (Fisheries) at ICAR, New Delhi visited the ICAR-CIFE Kolkata centre on 15 June, 2016. The Director General expressed his happiness at the progress made by the centre in all spheres of research, teaching & training and extension. The Director General also emphasised the need for ensuring value chain in the process of training and stressed on delivery of training to stakeholders at nearby centres for the convenience of the participants. The DG stressed on the

role of the ICAR-CIFE as a nodal institute for delivery of technology through training programs which are of immense importance in the effort at skilling the stakeholders. He expressed his happiness over the well kept premises and cleanliness that was evident in the campus.

The DG launched the online training programme on "Culture of Pacific white shrimp *Litopenaues vannamei*". The DG earlier inaugurated the new Fish Quality Control laboratory and released the CIFE-DO (Dissolved Oxygen Test Kit) developed by the Centre.

Dr. J.K. Jena, Deputy Director General (Fisheries) addressed the institute and appreciated the all round development of the centre. Dr. Gopal Krishna, Director and Vice Chancellor, ICAR-CIFE, Mumbai welcomed the dignitaries and felicitated them on the occasion. Dr. B.K. Mahapatra, Principal Scientist & OIC, ICAR-CIFE, Kolkatta made a brief presentation of the activities of the centre and Dr. M. Krishnan, Head, Social Sciences Division, ICAR-CIFE, Mumbai anchored the programme and delivered the vote of thanks.

ICAR-CIFE Commercialised Eco-Hatchery for Carp Seed Production

On 16th April 2016, ICAR-CIFE signed MoU with Hyderabad based TEEWAVE technologies for transfer of its innovative Eco-hatchery technology for carp seed production. Dr. Gopalkrishna, Director, CIFE and Mr. Narasimham, Chairman, TEEWAVE technologies signed the MoU on behalf of CIFE and TEEWAVE. Dr. Dilip Kumar, Former Director, CIFE graced the occasion as Guest of Honour and lauded the research efforts having fructified and being taken to entrepreneurs and farmers. The inventing scientists Dr. A.K. Verma and Dr. V.K. Tiwari briefed about the advantages of Eco-hatchery

as compared to the existing carp hatchery technologies. The Heads of Divisions, Registrar, CFAO, members of Institute Technology Management Unit were present.

As per MoU, TEEWAVE Technologies would manufacture the 'ICAR-CIFE Eco-



Hatchery' with technical support from CIFE and market it across India. TEEWAVE would pay onetime technology transfer fee as well as royalty on number of units being sold. The agreement is valid for seven years. It may be noted that a patent application (Application Number: 3042MUM/ 2013; Date of filing: 23.09.2013) has already been filed.



Central Institute of Fisheries Education (ICAR-CIFE) celebrated the Swachhta Pakhwara with great enthusiasm and interest. Students and staff of the institute took the oath to support and spread cleanliness on 16th May 2016 at CIFE headquarters and all its centres. Faculty members organized clean up of CIFE campus, hostels, wet lab, and coordinated students' march to Versova beach and Versova landing centre where bags, bottles and other wastes were collected and handed over to BMC. The posters carried by the students carried messages about the importance of reducing use of plastic and recommending the 'Reduce - Reuse - Recycle' and 'Repair and Reuse' way of life.

At Versova landing centre they were joined by the Versova Fishermen Cooperative Society who welcomed the initiative and thanked CIFE for organizing this event and spreading awareness about the need for cleanliness.

The closing ceremony of the Pakhwara, held on 30.05.2016, was graced by Dr. (Mrs) Bharati Lavekar, Member of Legislative Assembly (Versova, Mumbai), Maharashtra, as Chief Guest. Dr. Lavekar viewed a presentation made by the Director, CIFE, Dr. Gopal Krishna of the activities of CIFE staff and students during the Pakhwara and addressed the

gathering. She emphasized that in addition to Swachhta, the institute should also make efforts towards the 'Beti Bachao, Beti Padhao' program of the government. She toured the CIFE campus and facilities and suggested future activities for the betterment of the neighbourhood and society.



Shri Giriraj Singh, Union Minister of MSME, Govt. of India visits ICAR-CIFE

Shri Giriraj Singh, Minister of State, Ministry of Micro, Small and Medium Enterprises (MSME), Member of Parliament from the Nawada constituency in the 16th Lok Sabha visits ICAR-CIFE on 4th April 2016. Hon'ble Minister Shri Giriraj Singh has served the Cabinet of Bihar as Co-operative minister from 2005-2010 & Animal Husbandry Minister from 2010 to



2013. He stressed that the research to be taken in such a manner that it should reaches the farmers for their betterment. He showed immense interest in the field of fisheries and narrated the challenges which fishers face in India with specific examples from Bihar. Showing deep respect to the India farmers, he spoke eloquently about pertinent issues related to agriculture, livestock and fisheries. He stressed that the research be taken in such a manner that it reaches the farmers and lead to their betterment and ultimately a developed nation. Scientific community of CIFE benefitted from his address.

CIFE participates in International Day for Biological Diversity 2016 -



The Chief Guest Shri Chennamaneni Vidyasagar Rao, Hon'ble Governor of Maharashtra and Shri Prakash Javadekar, Hon'ble Minister of Environment, Forest and Climate Change, Maharashtra and visited the CIFE stall set



up during the International Day for Biological Diversity 2016 organised by National Biodiversity Authority, Ministry of Environment and Climate Change held in Mantralaya, Mumbai on 22 May, 2016

Aquabiz 2016 - An International Conference & Exhibition on Sustainable Development, Technologies and Business Opportunities in Fisheries -

On the occasion of the "AQUABIZ India 2016"- an International Conference & Exhibition on Sustainable Aquaculture held at Kakinada during 12-14 March, 2016, an exhibition stall was put up at the exhibition grounds of district sports stadium, Kakinada for the above three days. In this stall, 13 standees, explaining salient research, academic achievements and some of the major activities of the ICAR-CIFE, Mumbai as well as ICAR-CIFE, Kakinada centre were displayed. In addition to this, brackishwater & freshwater live animals like shellfishes; L. vannamei. P. monodon, Mud crabs; Scylla serrata, Scylla tranquebarica, Finfishes; Osteobrama belangeri, Clarias batrachus, Heteropneustes fossilis, respectively were displayed.

About 1000 nos. of entrepreneurs, progressive farmers, Ph.D scholars, Post graduates, Under graduates and school children have visited the stall and appreciated the ICAR-CIFE



activities especially the live animals have attracted the visitors. Majority of the visitors, who are actually in the field of aquaculture, got clarified their doubts about the culture potential of Pengba, Magur, Mud crabs and encountering the current problems in *L. vannamei* culture.

Dr. Muralidhar P. Ande, Scientist & Officer In-Charge of the ICAR-CIFE, Kakinada centre has delivered a talk on 'Recent developments in production strategies' and Extension Innovations for the blue revolution'.

Superannuation -



Mr. N.V. Ramana 29.02.2016



Mrs. S.S. Gajbhiye 29.02.2016



Mrs. V.J. Tambe 29.02.2016



Dr. A.K. Reddy 30.06.2016



Dr. C.S. Chaturvedi 30.06.2016



Dr. Suryakant Patil 1.03.2016



Dr. Somdutt 31.03.2016



Mrs. Madhavi Pikle 1.04.2016

New Initiative





ONE YEAR SKILLED DEVELOPMENT CERTIFICATE COURSE

The absence of qualified technical staff in the aquahatcheries and aquaculture farms is having its cascading effect on the aquaculture in the entire country, as the hatcheries has to supply the quality fish/shrimp seed to aqua farmers and in turn aquaculture has to produce the fish as per the requirement of the growing populations. In view of these a one year certificate course in 'Fish farming and hatchery operation' is being introduced for the first of its kind by the ICAR-Central Institute of Fisheries Education (CIFE), Kakinada centre the certificate course is expected to provide qualified manpower to the aquaculture industry in the years to come. Fourteen students have already been admitted in June 2016.

SIX MONTHS CERTIFICATE COURSE ON SKILL DEVELOPMENT IN AQUACULTURE

A six month skill development program in **Aquaculture** has been initiated and inaugurated on 1st June 2016 (1st June to 30th November, 2016) at ICAR- CIFE Rohtak with an objective to train and develop skills in the rural youth in the management of an aqua farm and make them self equipped with required knowledge to develop as aqua farming entrepreneurs. The training module has been simplified in a way to focus more on practical aspects than the theoretical sessions. A total of 10 candidates registered for the course and the trainees are being exposed and trained on various aspects of freshwater and inland saline water aquaculture.

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