



ICAR-CIFE Newsletter
Jan-June 2016

मत्स्य दर्पण 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

[Read more on page 2](#)



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.

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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. 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

judged on research performance alone. 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.

- | | |
|--|--|
| 1 Best Scientist | Dr. Rupam Sharma |
| 2 Best Young Faculty | Dr. Babita Rani A. M. |
| 3 Best Teacher | Dr. Arpita Sharma |
| 4 Best Extension Scientist/
Worker | Dr. B. K. Mahapatra |
| 5 Best Division / Centre | Fisheries Resources Harvest
& Post-Harvest Division |
| 6 Best Technical Staff | Mr. Prakash Kr. Behara |
| 7 Best Administrative Staff | Mr. Kunal Mann and
Mr. Pradeep Angane |
| 8 Best Supporting Staff | Mr. G. V. V. Satyanarayana |
| 9 Award for Institutional Building | Mr. Dasari Bhoomaiah |
| 10 Award for Best Publication
of the year (Highest impact Factor) | Dr Md. Aklakur |
| 11. Award for overall
Best M.F.Sc. Dissertation (2014-2015) | Ms. Martina Laishram |
| 12 Best Young scientist
(Field oriented work) | Dr A. K Balange |
| 13 School Children - Highest
Scorer in Class X | Master Abhinav Rathore
S/o Dr Gaurav Rathore |
| 14 School Children -Highest
scorer in Class XII | 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 programmes (Jan-Jun 2016)

Name of training programme	Sponsored by	Duration	Number of participants
CIFE, Mumbai			
Aquaculture in new and underutilized water bodies	ICAR- CIFE, Mumbai	20 Jan-04 Feb, 2016	22
Model training course (MTC) on aquaculture in new & underutilized water bodies.	Directorate of Extension New Delhi	28 Jan-04 Feb, 2016	22
Ornamental fish culture cages and live feed culture (TSP)	ICAR-New Delhi	08-10 Mar, 2016	31
Aquaculture project planning, formulation, monitoring and evaluation	CIFE, Mumbai	08-10 Jun, 2016	19
Water and soil testing for fisheries and aquaculture (TSP)	ICAR-New Delhi	08-10 Mar, 2016	30
Kakinada			
Fish culture and management practices” for Telangana fish farmers (Batch 7)	Government of Telangana	27-30 Jan, 2016	25
Batch 8	-do-	02-05, Feb, 2016	24
Batch 9	-do-	09-12, Feb, 2016	25
Batch 10	-do-	16-19, Feb, 2016	17
Batch 11	-do-	23-26, Feb, 2016	33
Batch 12	-do-	01-04, Mar, 2016	32
Exposure cum short-term training programme for Haryana	Government of Haryana	15-19, Feb, 2016	06
Powarkheda			
Fish and prawn culture	Dept. of Fisheries, Bihar	17-26 Feb, 2016	16
Fish and prawn culture	Dept. of Fisheries Bihar, Shivhar	05-14 Apr, 2016	20
Fish and prawn culture	Dept. of Fisheries Bihar, Samastipure	17-26 Apr, 2016	20



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, 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.

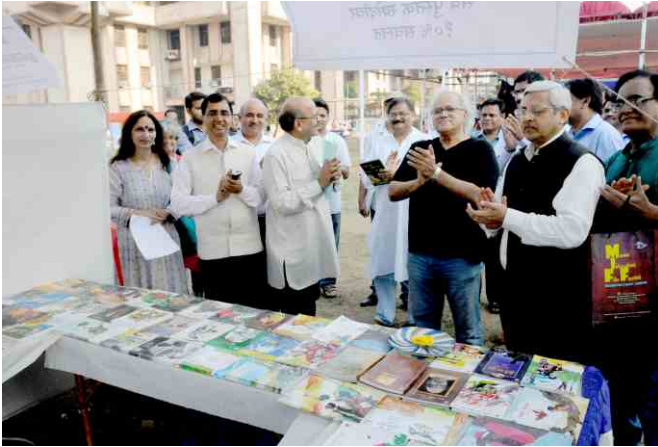
Dr. Cherdsak Virapat, DG, NACA, Dr. Vishnu Swaminathan of

Ashoka Innovators for the Public, Dr. 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 Telangana April 2016

The workshop was attended by 34 participants representing NGOs like Dhan Foundation, Society for Rural Development (SORDEC), Indian Red Cross Society, Cheelbanda Beel Unyan Samiti, Kalanpur Yuva Sangh, Progressive fish farmers from Dakshin Beelgaon Sanghtan, College of Fisheries, Raha, ICAR-CICFRI, KVK, Department of Fisheries, Assam and Department of Fisheries Shillong.

Workshop on Fisheries and Aquaculture Response in Emergencies for NEH region
 Fisheries Research Centre, Assam Agriculture University (AAU), Jorhat on 10th March, 2016.



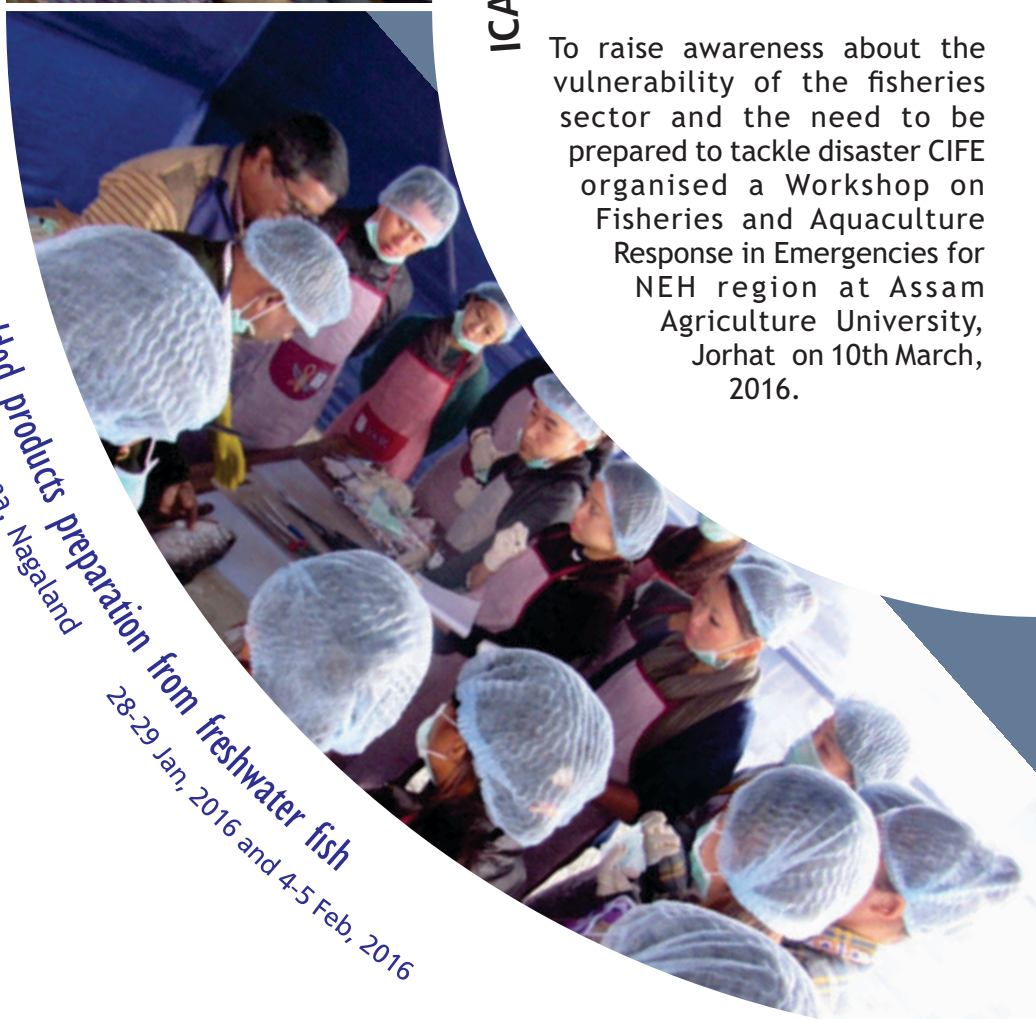
ICAR-CIFE conducted awareness programmes in

In line with the continous efforts for the upliftment of tribal farmers CIFE undertook awareness programmes in the NEH Region of Mamit and Kolasib district in Mizoram; Imphal (Manipur); Raha Nagoan (Assam) and Kohima (Nagaland).

To raise awareness about the vulnerability of the fisheries sector and the need to be prepared to tackle disaster CIFE organised a Workshop on Fisheries and Aquaculture Response in Emergencies for NEH region at Assam Agriculture University, Jorhat on 10th March, 2016.

A total of 39 (21+18) participants were registered for both the training programmes. The trainees prepared different value added products like fish cutlet, fish pickle, prawn pickle, fish chukli, fish shevu and fish wada under the supervision of Dr. A.K. Balange, Sr.Scientist and other resources persons. They were also trained in packaging and labeling of the fish products

Value added products preparation from freshwater fish
 Raha, Nagoan, Assam and Kohima, Nagaland



28-29 Jan, 2016 and 4-5 Feb, 2016



Awareness Programme under TSP on Integrated Fish Farming
 Mamit District of Mizoram and Kolasib District of Mizoram
 16-17 March, 2016

Pig-cum fish culture is very prominent in Mizoram state, however, the tribal farmers need to be supported for upliftment for their better livelihood. In this context the financial support from ICAR-CIFE, as Pigstys and Piglets, to the six tribal farmers of the Kolasib District of Mizoram was highly appreciated by Joint Director Manipur Fisheries

5 districts and One workshop under its NEH programme

Value added products preparation from freshwater fish

Namsai, Arunachal Pradesh
 A training programme was conducted at the Fisheries Department during 1-2 Feb, 2016. Total 19 participants were registered for the said training programme. The programme was inaugurated by Shri R K Sharma, Deputy Commissioner, Namsai district. A training manual of "Value added products preparation from freshwater fish" was distributed to all the trainees. The valedictory function was headed by Shri M. K. Deori, Additional Deputy Commissioner, Namsai district.



Awareness Programme on Farm made feed for aquaculture
 Imphal, Manipur
 14-15 Mar, 2016

The aim of this hands-on-training was raise awareness to their diverse stakeholder about the importance of feed based aquaculture in fisheries sector.

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, Telangana 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, Kolkata 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.





Swachhta Pakhwara

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

Mr. V.K.Sinha
31.03.2016



Mrs. Madhavi Pikle
1.04.2016

New Initiative



ICAR-CIFE, Kakinada Centre



ICAR-CIFE, Rohtak Centre

ONE YEAR SKILLED DEVELOPMENT CERTIFICATE COURSE

The absence of qualified technical staff in the aqua-hatcheries 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.

Compiled and Edited by:

N.P. Sahu, Nalini Poojary and Dasari Bhoomaiah

Photographs:

S.K. Sharma and D. Bhoomaiah

Published by:

Dr. Gopalkrishna, Director, CIFE, Mumbai

ICAR-Central Institute of Fisheries Education

(University under Sec.3 of UGC Act, 1956)

Indian Council of Agricultural Research

Panch Marg, Off Yari Road, Mumbai 400061.

Phone: 022-26361446/7/8

email: contact@cife.edu.in, website: www.cife.edu.in