



# CIFE NEWS

## मत्स्य दर्पण Matsya Darpan

Vol. 18 No. 56

1 October 2014 - 31 March 2015



## Celebrated XII Convocation

XII Convocation of ICAR- Central Institute of Fisheries Education, Mumbai was held on 7<sup>th</sup> November, 2014. Shri Radha Mohan Singh, Hon'ble Union Minister of Agriculture, Govt. of India was the chief guest of the function. Hon'ble Minister awarded gold medals to 28 students for their academic excellence. In his convocation address he congratulated the students for getting their degree from the prestigious institute and highlighted the importance of fisheries education for the development of the country. He urged the students to develop entrepreneurial skills and to become job providers rather than job seekers. He also highlighted the role of fish in human nutrition and reiterated the resolve to facilitate a 'Blue Revolution' emphasized by the Hon'ble Prime Minister to increase the fish production to meet the challenges of providing quality protein to the growing population and to fight malnutrition. Hon'ble Minister also inaugurated the Indoor Sports and Gymnasium Complex at CIFE.

Dr. S. Ayyappan, Secretary, DARE & Director General, ICAR, presided over the function. In his address he congratulated all the awardees and thanked the parents of the students for sending their wards for fisheries education. He lauded the efforts of Hon'ble Minister for his involvement at grass-root level for the development of all the sectors of agriculture.

Dr. Bharati Lavekar, Hon'ble MLA, Govt. of Maharashtra was the Guest of Honour.

Dr. W.S. Lakra, Vice-Chancellor, CIFE welcomed the dignitaries and presented the University report. He conferred 139 students with M.F.Sc degree and 19 students with Ph.D. degree in various disciplines of fisheries sciences.

Dr. A.K. Pal, Joint Director, CIFE proposed the vote of thanks.

### INSIDE

<i>Farmers' meet</i>	2
<i>NAAS Silver Jubilee Symposium</i>	3
<i>International workshop</i>	4
<i>Parliamentary committee visit</i>	4
<i>Training programmes</i>	5
<i>ICAR-CIFE Industry Day Meet</i>	6
<i>Brainstorming Session</i>	6
<i>Awareness-cum-Workshop</i>	6
<i>Good Governance Day</i>	7
<i>Awareness rally on fisheries</i>	7
<i>Forth coming training programmes</i>	7
<i>New facilities</i>	8
<i>FIZZLE-2</i>	8
<i>Obituary</i>	8

## Hon'ble Union Agriculture Minister Shri Radha Mohan Singh Inaugurated Fish Farmer's Meet at Muzaffarpur



Hon'ble Union Agriculture Minister Shri Radha Mohan Singh inaugurated Fish Farmer's Meet on 26.12.2014 at ICAR-National Research Centre on Litchi (NRCL), Muzaffarpur. About 1500 farmers from three Commissionaires comprising of 13 districts of Bihar participated in the meet. The event was organized by CIFE, Mumbai in coordination with NFDB, Hyderabad and Fisheries Resources Department, Govt. of Bihar. ICAR-NRC on Litchi, Muzaffarpur being partner in farming system research, hosted the event.

Minister in his address highlighted the Govt. of India vision for overall development of agriculture in the country with special reference to the resource rich state of Bihar. He stressed that effective and timely implementation of the schemes and larger participation of farmers can make the state prosperous. During his address Hon'ble Minister made a strong mention of Fisheries development in the maans, chauras, rivers and other water bodies in Bihar in collaboration with NFDB and State Fisheries Department to bridge the huge gap of fish production and demand. Various schemes of Govt. of India for development of fishermen communities like, *Machhuwar Adarsh Gram*, *Machhuwar Beema*, *Machhuwar Prashikshan* and common centre for the supply of fisheries input were enumerated by the Hon'ble Minister.

Minister was quite hopeful for fulfilling the dream of Hon'ble Prime Minister of India for Blue Revolution (*Matasya Kranti*) from this eastern region of the country. He released the fingerlings of "Jayanti Rohu" at NRCL fish pond and appreciated the approach of Litchi based IFS model being developed at the centre.

The inaugural function was presided over by Dr. Gopalji Trivedi, Ex-VC, RAU, Pusa, Samastipur. Dr. W.S. Lakra Vice Chancellor, CIFE, Mumbai informed the farmers about the benefit of fish farming and objective of organising such mega-events to make the fisherman community aware about its benefits. Dr. Vishal Nath, Director, NRC on

Litchi welcomed the chief guest and other dignitaries and farmers and gave brief information about litchi based fish cum duck farming. Dr. Nishat Ahmad, Director, Fisheries Resources, Govt. of Bihar informed the farmers about various follow-up schemes for fishery development in Bihar, whereas Dr. S.C. Rai, Principal, College of Fisheries, Dholi, informed about the fisheries education in the state.

A farmer-scientist interaction session was also organized on this occasion, where the representatives from NFDB, CIFE, Fish Resource Department, ICAR Research Complex for Eastern Region (ICAR-RCER), Patna and College of Fisheries answered the questions raised by the farmers.



## NAAS Silver Jubilee National Symposium inaugurated by Dr. Sanjeev Kumar Balyan, Hon'ble Minister of State for Agriculture and Food Processing Industries, Govt. of India



A two-day National Symposium on 'Indian Fisheries and Aquaculture: 25 Years of Achievements and Way Forward' organized by NAAS, Western Regional Chapter was inaugurated at Central Institute of Fisheries Education, Mumbai on 21<sup>st</sup> October, 2014.

**Dr. Sanjeev Kumar Balyan**, Hon'ble Minister of State for Agriculture & Food Processing Industries, Govt. of India inaugurated the symposium. In the inaugural address he urged the scientists and students of fisheries sector to critically evaluate the strength and weakness of the sector and focus on improving the rural livelihood through better technologies and innovations. He also underscored the importance of the sector in meeting the nutritional security of the country and highlighted the need for a 'Blue Revolution'. Dr. Balyan also suggested that institutions such as NABARD should encourage entrepreneurship and support small farmers through affordable financial assistance.

**Dr. S. Ayyappan**, Secretary, DARE & Director General, ICAR & President, NAAS, presided over the function. He highlighted the progress and achievements of fisheries and aquaculture sector and emphasized on greater efforts required in the future to sustain growth in this sector. He also

underlined some of the challenges such as climate change which have been impacting the sector significantly. He urged the students to be ready for future challenges as they would be steering the sector for the next three decades. **Ms. Leena Nair**, Chairperson, MPEDA and **Dr. Harsh Kumar Bhanwala**, Chairman, NABARD, also attended the meeting as Guests of Honour and expressed their views on the increased potential of fisheries in the country.

Earlier, **Dr. W. S. Lakra**, Director, and Vice-Chancellor, CIFE and the Convenor of the symposium welcomed the dignitaries. Several fisheries experts including Dr. E.G. Silas, Dr. M.V. Gupta, Dr. K. Gopakumar, Dr. K.V. Devaraj, Dr. R. Ramamurthi, Dr. S.D. Tripathi, Directors of various ICAR institutes, Deans of Colleges of Fisheries, representatives from MPEDA, NABARD and Ministry of Agriculture also attended the function as speakers/panelists.

On the occasion, the Hon'ble Minister inaugurated the Ornamental Fish Aquarium and other facility at CIFE. During the function, Dr. E.G. Silas was presented with the Life-time Achievement Award of Indian Fisheries Association.



## International Workshop on Fish Genomics

Prof. Zhanjiang (John) Liu, Associate Provost & Associate Vice President for Research and Professor, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, USA, a world renowned aquaculture biotechnologist, visited ICAR-Central Institute of Fisheries Education, Mumbai on a Fulbright Specialist Programme during 16-21, January 2015. During his sojourn at CIFE, an International Workshop on Fish Genomics aimed at imparting newer skills and knowledge to the researchers in the NARES was organised during 19-21 January. The workshop was inaugurated by Dr. W.S. Lakra, Director and Vice-Chancellor, CIFE, who emphasized on global leadership by ICAR scientists in the changing world.

The workshop included a series of lectures and interactive sessions on various topics on fish genomics such as an overview on catfish genomics, generation and assembly of nucleic acid sequences from high-throughput sequencing platforms, RNA-seq and assembly of transcriptome, development of DNA markers, development of SNP arrays, linkage mapping, allele specific gene expression, etc. Prof. John Liu was the key resource person, and invited scientists from CIFE and other fisheries research institutes also delivered talk on different aspects of fish genomic research in India. The workshop was attended by 144 participants including faculty/scientists and students from CIFE and scientists from other fisheries research institutes.

## The Parliamentary Committee on Agriculture visits CIFE



The Parliamentary Standing Committee on Agriculture visited CIFE, Mumbai on 29<sup>th</sup> January 2015 with Hon'ble Shri Hukmdev Narayan Yadav as Chairperson. The Hon'ble Members of Parliament visited various laboratories, National Fisheries Library, Aquarium House, sports and other infrastructure facilities and interacted with faculty and students. Dr W. S. Lakra, Director/Vice-Chancellor made a presentation about the activities of the Institute. The Parliamentary Committee suggested research work on small indigenous fish and prawn species, conservation of endangered fish species and more awareness programmes for farmers in collaboration with other

research organizations. They also suggested more focus on North Eastern States and Eastern part of India for Blue Revolution in inland fisheries. The Committee appreciated the achievements, role, relevance and vision of the organization.

# Centre of Advanced Faculty Training



Molecular, Nanotechnological and Immunological Diagnostics in Fisheries and Aquaculture,  
25 February - 17 March, 2015 (12 participants)



Utilization of Degraded Water Resources through Pisciculture,  
28 January-17 February, 2015 (19 participants)



NAAS Silver Jubilee Rally on 29<sup>th</sup> November 2014



Celebrated Students' Sports Meet during 17-19<sup>th</sup> October 2014

## ICAR-CIFE Industry Day Meet

Central Institute of Fisheries Education, Mumbai organized 'ICAR-CIFE Industry day meet on 28<sup>th</sup> February, 2015 with a specific theme 'Attracting Fisheries Professional to Aquaculture Industry'. The programme was attended by several experts from the aquaculture industry including Godrej Agrovet, US Soybean Association, Mayank Aqua and Critical Business, Bayer Incorporation and faculty and students of CIFE. The objective of the meeting was to offer networking



opportunities and foster an industrial perspective in the academic curriculum. Dr. W. S. Lakra, Director and Vice-Chancellor, CIFE, welcomed the participants and urged the industry to take active participation in research and development in collaboration with academic institutes like CIFE. Experts from the industry presented their requirements and expectations from academic institutes and the students. An

interactive session with students was also held during which the students put forth their perspectives and expectations from the industry. The event provided a common platform for the industry, academia and research community to come together to discuss the problems faced by the farmers and the industry and provide solutions in a partnership mode.

### Brainstorming Session on Prospects of Seaweed Cultivation and Utilization in India

**Dr. W. S. Lakra** Director, CIFE in his opening address highlighted the overall importance of seaweeds in national economy and rural livelihood. **Shri M. B. Gaikwad**, IAS, Commissioner Fisheries, Government of Maharashtra, chief guest of the function in his inaugural speech, stressed on how seaweed cultivation would help Maharashtra farmers and coastal fisher community. **Dr. A.S. Ninawe**, Advisor, DBT as a Guest of Honour, emphasized on bioprospecting of seaweeds.

A total of seventeen experts from academia, industries, research institutes participated and presented their thoughts and suggestions on seaweed cultivation and utilization. The programme was conducted in two sessions that covered cultivation and utilization of sea weeds. Deliberations were made on various aspects like cultivation, compounds other than phycocolloids, food products, aquafeed and nutraceuticals. The industries (Aqua-agri and SNAP) also showed interest in attempting cultivation of different seaweed species along Maharashtra coast.

The event was organized under the guidance of Dr. S. Ayyappan, DG, ICAR.

### Awareness-cum-Workshop on 'Fish Milt Cryopreservation Technology' organized at Aizawl, Mizoram by ICAR-CIFE, Mumbai

A 3 days Awareness-cum-Workshop on fish milt cryopreservation technology was organized by ICAR-CIFE at Department of Fisheries, Mizoram, Aizawl from 5-7 February, 2015. It was inaugurated by Minister of Fisheries, Government of Mizoram, Dr. B.D. Chakma who emphasized that the technology was an ideal one for fish conservation and an important tool for increasing fish production in Mizoram. He appreciated the efforts of ICAR- CIFE, Mumbai for demonstrating the techniques and providing hands-on practice to the fish farmers, entrepreneurs and state fisheries officials. The lectures were delivered by CIFE scientists on various topics viz. methods and techniques of cryopreservation; brood-stock management and reproductive health of the broods; nutritional aspects of broodstock and their maintenance; Identifications of quality broods; milt collection and physical evaluation; extender preparation technique and its significance etc. More than 60 farmers, officials and entrepreneurs including some progressive farmers from Manipur, participated and showed interest in the gene banking technique. The programme was chaired by Fisheries Secretary, Shri Rodney L. Ralte IAS. Shri B.D. Tyagi, Director of Fisheries, Mizoram discussed the prospects of fisheries development in the state and the utility of this technology. The staff and officials of the Department of Fisheries, Mizoram fully cooperated and supported in organizing the training programme. The Director, Department of Fisheries thanked CIFE for initiating and demonstrating such an advanced technology for conservation and developing fish breeding programmes for native and endangered fishes to the state fisheries officials and fish farmers of Mizoram for the first time.

## Good Governance Day

Good Governance Day was celebrated at CIFE, Mumbai with a Students' Speech Contest held on December 23, 2014. Participants and faculty members expressed their views on 'Use of Technology and Innovation for Promotion of Good Governance in Higher Education'. The First Prize was awarded to Ms. Ananya Ashok, while the Second and Third Prizes were bagged by Mr. Femi John Fawole and Ms. Mary Josephine, respectively. The Vice-Chancellor Dr. W.S. Lakra congratulated the students on their performance and participation. He expressed his views on the subject and hoped that CIFE will set an example and strive to attain the next level in good governance.

## CIFE, Mumbai organized an awareness rally on fisheries

Central Institute of Fisheries Education (CIFE), Mumbai organized a rally on 29<sup>th</sup> November, 2014 as part of the NAAS silver jubilee celebrations. The main objective of this rally was to create general awareness among the public, about fisheries education, research and its importance. The rally was addressed and flagged off by Dr. W. S. Lakra, Director and Vice-Chancellor of CIFE in the presence of Shri Pradeep Tapke, an eminent fishermen and fisher community leader of Versova. A total of 250 people including students and staff members of CIFE participated in the rally. The rally took place from CIFE, new campus to Versova and back. Students and staff carried placards reflecting the importance of fisheries education. Pamphlets containing information about fisheries education, research and its importance were distributed during the rally. The nutritional benefits of eating fish were also explained to the general public.

## Forth coming Training programmes

### CIFE HQ, Mumbai

**Leadership and Gender**  
1-3 July, 2015  
Dr. Arpita Sharma  
[arpitasharma@cife.edu.in](mailto:arpitasharma@cife.edu.in)

**Breeding and Culture of Freshwater Ornamental Fishes**  
20-27 August, 2015  
Dr. Paramita B. Sawant  
[paromita@cife.edu.in](mailto:paromita@cife.edu.in)

**Basics of Freshwater Aquaculture**  
3-10 Sept. 2015  
Dr. Babitha Rani  
[babitarani@cife.edu.in](mailto:babitarani@cife.edu.in)

**Techniques in Aquatic Animal Health**  
7-12 Sept. 2015  
Dr. Megha K. Bedekar, Mrs. Jeena K and Dr. Nalini Poojary  
[megha.bedekar@cife.edu.in](mailto:megha.bedekar@cife.edu.in)

**Identification and Application of Freshwater Phytoplankton**  
9-11 Sept. 2015  
Dr. S.P. Shukla and G. Rathi Bhuvanewari  
[spshukla@cife.edu.in](mailto:spshukla@cife.edu.in)

Please download training Calendar from CIFE website for more details:  
[http://cife.edu.in/cife/training/CIFE%20Training%20Calendar\\_2015-16.pdf](http://cife.edu.in/cife/training/CIFE%20Training%20Calendar_2015-16.pdf)

### CIFE Kolkata Centre Rs 3000 per program/participant

**Recent Advances in Aquaculture Technologies**  
14 -20 July, 2015  
Dr. S. Dasgupta and Dr. S. Munilkumar  
**Entrepreneurship Development in Ornamental Fish Breeding**  
04 -10 Aug., 2015  
Dr. B. K. Mahapatra and Dr. Subhendu Datta

### CIFE Rohtak Centre

Rs 3000 per program/participant

**Shrimp Culture Practices in Inland Saline Water**  
6-10 July 2015  
Mr. V. Hari Krishna, Dr. A.K. Reddy and Sh. S. Arun Sudhagar  
**Community Based Aquaculture**  
24-26 August, 2015  
Mr. V. Hari Krishna and Mr. S. Arun Sudhagar

### CIFE Kakinada Centre

**Seed Production and Culture of Magur**

1-7, August 2015  
Mrs. Thangom Chanu,  
Dr. J. K. Prasad  
& Dr. P. S. Rao

**Culture of Brackishwater fish and shell fishes**

1-7, September 2015  
Dr. Suresh Babu, Dr. R. Reddy  
& Mr. M. Mohan

### CIFE Powerkheda Centre

Rs 3000 per program/participant

**Magur Breeding and Hatchery Management**  
2-7 July, 2015, Dr. C.S.Chaturvedi, Dr. Somdutt and Dr. Sunil Kumar  
**Carp Breeding and Hatchery Management**  
22-28 July, 2015, Dr. Somdutt, Dr. R. K. Upadhay and Sh. L. P. Bamaliya  
**Freshwater prawn (*M. rosenbergii*) Seed Rearing and Culture**  
20-25 August, 2015, Dr. Somdutt, Dr. Sunil Kumar and Sh. Hasan Javed  
**Carp Culture Practices and Recent Advances**  
16-22 Sept., 2015, Dr. Somdutt, Dr. Sunil Kumar and Dr. R. K. Upadhay

## New facilities added

### Cell culture facility

The Cell culture laboratory is well equipped with the latest laminar flow, microscopes, BOD incubators, Deep freezer and sterile zone for cell culture research.

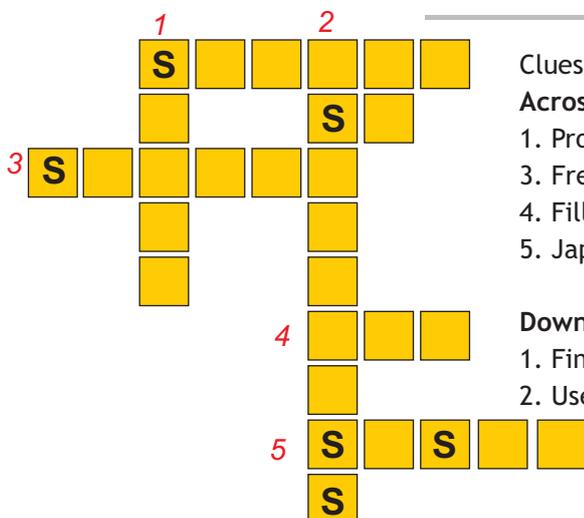
### Gymnasium - Indoor complex

The Gymnasium - cum - Indoor complex has two badminton courts and two table tennis courts and facilities for exercise.



## 2 FISH PUZZLE

Theme: Fish products



Clues :

**Across**

1. Product from minced fish
3. Freshwater prawn (5)
4. Fillet of brined Salmon (3)
5. Japanese delicacy (5)

**Down**

1. Fins of this fish is prized soup (6)
2. Used to prepare wine (9)

Solve the FIZZLE and email to npsahu@cife.edu.in

The names of First FIVE senders will be announced in the next issue.

*You can send your own FIZZLES (Only related to FISH) and get published if selected*

### Answers to Fizzle no. 1

Across: 1. Mrigal, 2. Catla, 3. Tetra, 4. Rohu, Down: 1. Mahseer, 2. Hilsa, 3. Paku.

## Obituary



Miss Pooja, one of the brilliant final year PhD scholars in Fish Nutrition, Biochemistry and Physiology Division departed us on 9th December 2014 due to a acute illness at her home town at Uttarakhand. She was very enthusiastic, lively and had charismatic personality. She secured her seat at CIFE as an ICAR-SRF and was working on "Reproductive physiology-Germ cell research". On her demise, FNBP family extend heartfelt condolences to her family & beloved ones.

Compiled and Edited by:

N.P. Sahu, Nalini Poojary and Dasari Bhoomaiah

Published by:

Dr. W.S. Lakra, Director and Vice Chancellor, CIFE, Mumbai

Central Institute of Fisheries Education

(University under Sec.3 of UGC Act)

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