



Vol. 2 Issue : 1

मात्स्यिकी महाविद्यालय समाचार पत्र

# COF

# News Letter

January - March, 2015

### From Vice Chancellor's Desk

College of Fisheries, Central Agricultural University, Lembucherra has been tremendously performing well in every spheres of education, research and extension activities since its inception, providing valuable inputs in terms of location specific and need based research, imparting training on various aspects of fish farming for the resource poor farmers of the North Eastern Region. Moreover, the college has been continuously securing good positions in both the ICAR-JRF and ARS



examinations in recent years which is a matter of great applause. I am happy to learn that the College is now continuing with its second volume of the "COF Newsletter" to highlight its recent activities. This attempt is surely praiseworthy.

I sincerely appreciate the endeavour of the Dean, Prof. R.K. Saha and members of the faculty of the college for initiating the publication of an attractive quarterly 'Newsletter'. This can incite the spirit of Fisheries Education in the NER, in addition of providing some useful information to the stakeholders.

I wish this endeavour all success.

Prof. M. Premjit Singh  
Vice-Chancellor

### From the Editor's Desk

It's a great pleasure for us to publish the current issue of "COF Newsletter". College of Fisheries, Lembucherra always encourages different forms of co-curricular and other activities apart from its mandate. The present issue highlights the salient academic, research, extension and other significant activities performed at the college during the period under report. I would like to thank our newly appointed Hon'ble Vice Chancellor, Prof. M. Premjit Singh for providing us a congenial environment



to work. As a professor, I feel delighted to see the students participating in different events and deliver their best. The hard work shown by the students in such events and workshops is portrayed effectively by the College Newsletter. It is hoped that the contents of this document would be informative and useful to all the stakeholders. We are expressing our sincere regret as we could not bring out this issue for quite some time due to some administrative reasons. I would like to take the opportunity to congratulate all the members of the editorial team for their untiring efforts to bring out this newsletter. Our editorial team would greatly appreciate any suggestions for improving the quality of the newsletter in the subsequent issues.

Prof. R. K. Saha

### In this issue...

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Students performing drama at inter-collegiate youth festival



Sports team at inter-collegiate sports meet 2014 - 2015

## ACADEMICS

### In-Plant Training attachment and tour programme of B.F.Sc. 4th year students

As a part of the academic curriculum decided by the IV Deans' Committee meeting, the B.F.Sc. 4th year (2011-2015 batch) students (24 nos.) of the college attended the tour and In-plant training programme at following institutes and successfully completed the programme:

Host Institute	Activities	Period/duration
State Trout Farm under Directorate of Fisheries, Patlikuhl, Himachal Pradesh	Breeding and culture techniques of Rainbow trout ( <i>Oncorhynchus mykiss</i> ), trout feed formulation and preparation, raceway technology	07.01.2015 to 10.01.2015

College of Fisheries

Central Agricultural University, Lembucherra, Tripura - 799 210

Host Institute	Activities	Period/duration
Central Institute of Fisheries Education, Mumbai	Visit to Versova landing centre, ornamental fish culture unit, museums, divisional laboratories, library and exposure to different on-going projects of the institute	13/01/2015 to 17/01/2015
State Institute of Fisheries Technology (SIFT), Kakinada, Andhra Pradesh	Exposure to various laboratories of the institute, fishing vessel trip, attachment at various <i>L. vannamei</i> hatchery, culture practices of different fin and shellfish in the state, visit to various processing plant, landing centres, CIFE Centre, Kakinada and Koleru lake	20/01/2015 to 08/02/2015
National Institute of Fisheries Post Harvest Technology and Training (NIFPHTT), Cochin	Attachment to various processing unit in the institute	11/02/2015 to 12/03/2015

### Activities of in-plant training programme



A view of the raceway unit of the Trout farm, Patlikuhl, HP



Selection of brooders of *O. mykiss* for artificial breeding



Size grading for packing prior to transportation of *L. vannamei* seed



Packaging and seed distribution to farmers



Preparation of value-added fish products at NIFPHTT, Cochin



Packaging of final products in action at NIFPHTT, Cochin

### Special Lectures

Dr. N. Bhaskar, Principal Scientist, CFTRI, (CSIR institute), Mysore and Dr. Anna Mercy, Retd. Professor delivered special lectures during March, 2015 as a part of special JRF preparatory coaching for the final year B.F.Sc. students.



## RESEARCH HIGHLIGHTS

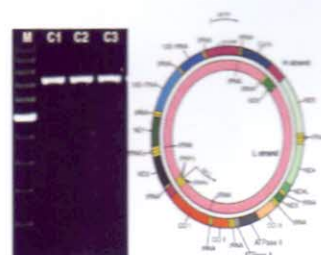
Intramural Research Project (IRP) : 04 Nos

Externally Funded Project : 18 Nos

### Centre of Excellence Fisheries and Aquaculture Biotechnology (FAB-COE)

*Inventorization and cataloging of fish diversity of NE Region based on molecular tools*

- 655 base pair of partial COI region has been amplified in 38 species (26 genera) and 22 species (16 genera) collected from Meghalaya and Mizoram respectively.
- DNA barcode of 38 species (167 barcode) collected from Meghalaya and 22 species (101 barcode) collected from Mizoram has been completed.
- Line barcode and 2 dimensional QR barcodes were generated from COI sequences of all the studied species
- Total 268 DNA barcodes has been submitted in NCBI Database



### National Surveillance Programme for Aquatic Animal Disease (NSPAAD)

The project deals with well-defined objectives which are needed to make Tripura a disease free state. Following the disease history of the state, seven diseases of fin fishes & one disease of Crustaceans have been listed



