



Short Training Course

on

“Modern Integrated Crop Breeding Tools- Breeding Management System”

(Jan 18th -27th, 2016)



Sponsored by

Indian Council of Agricultural Research (ICAR)

New Delhi-110012

Director : Dr. V. Ravindra Babu

Course Directors: Dr. P. Revathi and Dr. T. Ram

Organized by

**ICAR-Indian Institute of Rice Research
Rajendranagar, Hyderabad-500 030**

In collaboration

with

Breeding Informatics Unit, ICRISAT, Hyderabad

The **Integrated Breeding Platform (IBP)** is a web-based one-stop shop for crop information, analytical tools and related services to design and carry out integrated breeding projects. Many national research programmes are not using basic data management and analytical tools for their crop improvement, which may lead to sub-optimal breeding decisions. The Integrated Breeding Platform provides a unique, comprehensive and easy to use suite of tools, for the capture, management and analysis of data for crop breeding. Improved data management will result in increased efficiency in targeted breeding programmes, allowing them to use modern breeding approaches (e.g., genomic-based or predictive breeding), and thus reduce the time and resources required to develop and bring new crop varieties into farmers fields.

The Breeding management system (BMS) is a suite of interconnected software specifically designed to help breeders manage their day-to-day activities through all phases of their breeding programmes. From straight forward phenotyping to complex genotyping, it provides all the tools that are needed to conduct modern breeding in one comprehensive package BMS.

Objectives

This training programme will be useful to the participants in understanding integrated crop breeding tools to carry out breeding/molecular breeding projects in an efficient manner.

Theme

The training course is planned in three modules viz., statistics module, data management and molecular breeding module.

Course content

Overview of Integrated breeding platform (IBP) tools and Breeding management system, By using data management tools nursery, field book ,field map and labels preparation, Marker assisted breeding ,QTL mapping, Marker assisted recurrent selection, Genotyping data management tools, Introduction to experimental designs, AMMI, G X E analysis, IBP online resources for rice and other crops and achievements in rice research in India etc.

Number of participants:

The number of participants is restricted to 25

Eligibility:

The participants are invited from ICAR and SAUs. The candidate should possess M.Sc (Ag)/PhD in Genetics and Plant Breeding with minimum of two years of research experience. The age of the participants should not exceed 45 years.

Training Requirement: All the participants are requested compulsorily to bring their personal or office laptop for the training programme.

Venue: ICAR-Indian Institute of Rice Research (Formerly DRR), Rajendranagar, Hyderabad-30

Duration: January 18th -27th ,2016 (10 days)

Faculty: The scientists from IIRR and guest faculties from ICRISAT, NAARM, IIMR would form the resource persons of the training course.

Lodging and Boarding: Lodging and Boarding facilities would be provided free of cost to the participants at IIRR Campus. They are requested not to bring family members as accommodation is strictly meant for participants only. No DA will be paid to the participants by the organizers.

Travel Expenses: The participants deputed to the short course would be provided travelling expenses as per ICAR guidelines in AC II tier or AC III tier.

How to apply: The participants' should submit application in the prescribed format as given below only online using CBP portal <http://iasri.res.in/cbp> or under the link Capacity Building Program at <http://icar.org.in>. After filling the online application, take a print out of the application/registration form and get it approved by the competent authority of the respective organization. Finally the scanned copy of the application has to be uploaded in the CBP portal on or before Dec 15th, 2015. In case of any difficulty, feel free to contact the **Course Director**.

Important Dates:

1. Last date for receipt of applications:
Dec 25th, 2015
2. Intimation of selected candidates:
Dec 28th, 2015
3. Confirmation of participation:
Dec 31st, 2015

Registration

There is no course fee, however a non-refundable registration fee of Rs. 50/- (Rupees Fifty only) is to be paid by way of a Postal Order (drawn in favour of ICAR -IIRR payable at Hyderabad)

REGISTRATION FORM

**Modern Integrated Crop Breeding Tools-
Breeding Management Section
(January 18th - 27th, 2016)
ICAR-Indian Institute of Rice Research,
Rajendranagar,
Hyderabad -500030 (Telangana)**

1. Name of the participant
2. Designation
3. Institute/Organization where employed
4. Address for correspondence
Phone No.
Fax No.
E mail
5. Date of Birth and Sex
6. Educational qualifications
7. Teaching/Research/Extension experience
8. Postal order/DD (Rs. 50) particulars
9. Signature of the participant

Recommendation of the forwarding Institution

Signature:

Date:

CERTIFICATE

This is certified that the nomination was verified with the office record and was found correct.

Signature and designation of the Sponsoring Authority

Location

IIRR is located at Rajendranagar at an approximate distance of 12 Kms from Hyderabad International Airport, 13 Km from Nampally and Kacheguda Railway Stations, 23 Km from Secunderabad Railway Station and can be reached by local bus (# 94H, 94R, 95R, 92 and 95L) or taxi or auto rickshaw.



Address for correspondence:

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