

CAFT 2015-16



Training Programme

“Functional Analysis of Pathogenicity genes of Plant Pathogens”

January 02-22, 2016

Course Director
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Centre of Advanced Faculty Training
Division of Plant Pathology
ICAR-Indian Agricultural Research Institute
New Delhi 110012

Training Programme on

“Functional Analysis of Pathogenicity genes of Plant Pathogens”

January 02-22, 2016

The Indian Agricultural Research Institute, New Delhi, invites applications from faculty members, and researchers of Indian universities / research institutions for a 3-week training programme on “**Functional Analysis of Pathogenicity genes of Plant Pathogens**” sponsored by the Indian Council of Agricultural Research, New Delhi, scheduled from January 02-22, 2016.

Objective

The major objective of the training programme is to train young faculty and scientists on the basic and strategic front of agriculture with particular reference to host-pathogen interaction. Plant pathogens interact with their host plants through pathogenicity genes that eventually lead to the disease development. Thus, it is important to know the exact function of the pathogenicity genes in disease development. Different host-pathogen systems, namely plant::bacteria, plant-fungi and plant-virus will be used to address the topic using modern biochemical and molecular tools. Hands-on training in the topic will be imparted in addition to lectures by eminent experts so that the participants could apply the same in their research programmes.

Eligibility

- i) M.Sc/Ph.D in Plant Pathology with basic knowledge on molecular biology and working in the rank of Assistant Professor and equivalent in Plant Pathology under Agricultural University /ICAR Institute
- ii) Working not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural University /ICAR Institute

How to apply

The participants application will be received online (ICAR mandate) using CBP portal through or under the link Capacity Building Programme at portal through <http://iasri.res.in/cbp> or under the link Capacity building Programme at <http://icar.org.in>. After filling the online applications, take a printout of the application and get it approved by the competent authority of the organization and upload the scanned copy of application through CBP portal on or before 5.12.2016. Selection of participants will be from online applications and the selected participants list will be uploaded/displayed on the portal.

However, he/she may send an advance copy (via email) directly to the Course Director. The selected candidates will be informed individually also. The participants are requested to keep in contact with the Course Director regarding their selection status.

Total No. of participants: 25 (Twenty five only)

TA/DA & Accommodation

The participants will be provided, to and fro fare restricted to AC-II-Tier train fare or any state road transport services as per the ICAR guidelines. Participants should produce a certificate that they have not been given T A/DA by their host institute (Head of the Department/Institute) and the training period should be considered 'On Duty' by the participant's parent institution. Boarding and lodging for the participants will be provided at the ICAR guest houses and the charges will be met by the training programme.

About the training programme

Plant diseases caused by bacterial, fungal and viral pathogens are one of the major concerns in agricultural production system resulting in loss of billions of dollars. Plant pathogens interact with their host plant through pathogenicity genes to incite disease in crop plants. Thus pathogenicity genes play crucial role in disease development. However, most of the pathogenicity genes in plant pathogens are not functionally validated leading to poor understanding of their role in disease development. The functional analysis of these genes are thus the priority areas of research for plant scientists. In this endeavour, we have been engaged in elucidating the function of potential genes in various plant pathogens. Recently, our group has been instrumental in successfully demonstrating the role of the pathogenicity genes in bacterial, fungal and viral infections. In the proposed training, these success stories will be demonstrated with the main objective to provide a hands-on training on the functional characterization of the genes of interest in various pathogens using basic as well as modern tools.

CONTACT

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Application form for training programme on “**Functional Analysis of Pathogenicity genes of Plant Pathogens**”, January 02-22, 2016.

1. Name of the applicant
2. Sex: Male/ Female
3. Present position
4. Age and date of birth
5. Communication Address
6. Phone Office Residence
7. Mobile
8. Fax
9. E-mail
10. Permanent address
11. Educational qualifications (from graduation onwards)

Degree	Subject	Year	Percentage of marks /Division	Name of the University/Institution

12. Research experience
 - a) Area of research
 - b) Publications during last five years (Please attach list)
 - c) Indicate the future plans on utilizing the technical expertise gained from the training programme in your research (Attach separate sheet if necessary)
 - d) Indicate whether you have attended for summer/winter school /training programme earlier

13. Dietary requirements:

14. Arrival information

- a) Train Name / No.
- b) From To
- c) Date
- d) Time

15. Departure information

- a) Train Name / No.
- b) From To
- c) Date
- d) Time

Signature of the Applicant

Date:
Place:

Endorsement & Seal of the Head of Department /Head of the Institution