CAFT TRAINING 2019

"Omics meet plant biochemistry: Applications in nutritional enhancement with one health perspective"

SEP 07 27 2019

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CENTER FOR ADVANCED FACULTY TRAINING
Division of Biochemistry
ICAR-Indian Agricultural Research Institute
New Delhi-110012

CAFT-2019
"Omics meet plant biochemistry: Applications in nutritional enhancement with one health perspective"
(07th - 27th, September 2019)

The ICAR-Indian Agricultural Research Institute, New Delhi, invites applications from faculty members, and researchers of Indian universities / research institutions for a 21-day advanced training programme on "Omics meet plant biochemistry: Applications in nutritional enhancement with one health perspective" sponsored by the Indian Council of Agricultural Research, New Delhi, scheduled from 07th to 27th September, 2019.

Objective:
The major objective of the training programme is to provide hands-on-training to the young scientists, faculty and researchers on PlantOmics tools and technique for basic and applied research in crop improvement. The training programme will focus on providing practical experience to the participants on the emerging molecular biology tools and techniques in addition to lectures by experts in the area of one health, so as to enable them to use the techniques in their crop improvement research programmes.

Eligibility:
I. Master’s Degree in Plant Biochemistry, Plant Molecular Biology & Biotechnology and related disciplines.
II. The scientist must have 2 years working experience on molecular biology techniques, and
III. Working not below the rank of Assistant Professor and equivalent in the above mentioned subject under Agricultural University/I.C.A.R Institute.

How to apply
The application from participants will be received online (ICAR mandate) using CBP 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 31.08.2019. 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 Co-ordinator (sureshkumar3_in@yahoo.co.uk or vedabiochem@gmail.com). The selected candidates will be informed individually also. The participants are requested to keep in contact with the Director/Co-ordinators regarding their selection status.
Total No. of participants: 25 (Twenty five only)

**TA/DA and Accommodation**
The participants will be provided, to and fro fare restricted, however, to AC-II-Tier train fare or as per actual whichever is less. Participants should produce a certificate that they have not been given TA/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**
Resurrecting the long-forgotten connection between plants and health is the need of the hour to tackle the existing challenges of under, over and imbalanced nutrition. Even though a quantum increase in staple cereals and horticultural crops have been achieved since independence, the quantity-centric approach by breeding and other biotechnological advances widened the gap between food and nutritional security. The degree of cereal-based food security achieved painstakingly over the decades is also faced by new challenges highlighting the need for making agriculture more ‘nutrition-sensitive’ and ‘climate-smart’. The agonizing trends of lagging nutrition indicators and stagnant growth in agriculture call for significant rebalancing of the portfolio where other nutritive crops like pulses and other orphan crops like millets can play an important role. Many more with the assistance of omics platforms we have to walk a mile ahead to understand the intricate connection from ‘Genomics through Nutrigenomics to Nutriepigenomics’ to address these issues with ‘One Health’ perspective from ‘Soil health to Human health’. To accomplish this herculean task, Division of Biochemistry, ICAR-I.A.R.I., New Delhi has been well-equipped over the time in various omics approaches with sound nutritionally related translational research. Over the years, a team of motivated researchers addressing nutrition using omics tools and techniques have been put in place in the Division with required infrastructure. Ambitious research carried out in these domains acquired requisite expertise and hence conducted many basic training programmes on these aspects during the recent years. The present training programme has, therefore, been proposed with an objective to expose the trainees, particularly the young faculty, teachers/researchers from ICAR and SAUs, to the emerging concept of ‘One Health’ for a better understanding about the multidisciplinary collaborative approach towards solving the global and environmental health challenges.

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Application form for training programme on “Omics meet plant biochemistry: Applications in nutritional enhancement with one health perspective” 07th – 27th September, 2019.

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 (graduation onwards)

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<th>Degree</th>
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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 requirement:

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:

Date: ____________________________  Signature of the Applicant
Place: ____________________________

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