



राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी

राजेन्द्रनगर, हैदराबाद - 500 030, भारत

NATIONAL ACADEMY OF AGRICULTURAL RESEARCH MANAGEMENT

Rajendranagar, Hyderabad-500 030, INDIA

Phones : (040) 2458 1322; Fax : (040) 2401 5912; <http://www.naarm.ernet.in>



डॉ. डी. रामा राव, निदेशक

Dr. D. Rama Rao, Director

No.CTAB/MBK/2015

July 3, 2015

Dear Sir/Madam,

Subject: National Workshop on "Current Trends in Agricultural Bioinformatics"-
September 22-24, 2015 – Nomination - requested - reg.

A national workshop on "Current Trends in Agricultural Bioinformatics" is being organized during September 22-24, 2015 at NAARM, Hyderabad. This programme is designed to expose the participants to recent advances in Bioinformatics applications in agriculture. We request you to nominate Scientist/Faculty of your institute working in this area.

A copy of the brochure and nomination form is enclosed for your kind perusal. The nominations may be sent to the Academic Cell, NAARM latest by September 15, 2015. Nominations can also be uploaded electronically using NAARM website (<http://www.naarm.org.in/training>).

With kind regards,

Yours sincerely,

(D. Rama Rao)

41. **The Director**
ICAR - Indian Institute of Spices
Research, Marikunnu P.O.,
Calicut-673012, Kerala

Dr
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HRD

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HRD page
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22/7/15



ICAR - National Academy of Agricultural Research Management
Rajendranagar, Hyderabad 500 030



Nomination Form

1. Name of the Programme and Date: **National Workshop on Current Trends in Agricultural Bioinformatics (in Association with Bioinformatics Grid, IASRI) (September 22-24, 2015)**

2. Full Name (in block letters):

First name

Middle name

Last name

3. Date of birth and age:

4. Sex:

5. Nationality:

6. Designation:

7. Present employer and address :

8. Address for communication (in block letters):

Landline :

Cell :

E-Mail:

Fax:

(Signature of the applicant)

Date:

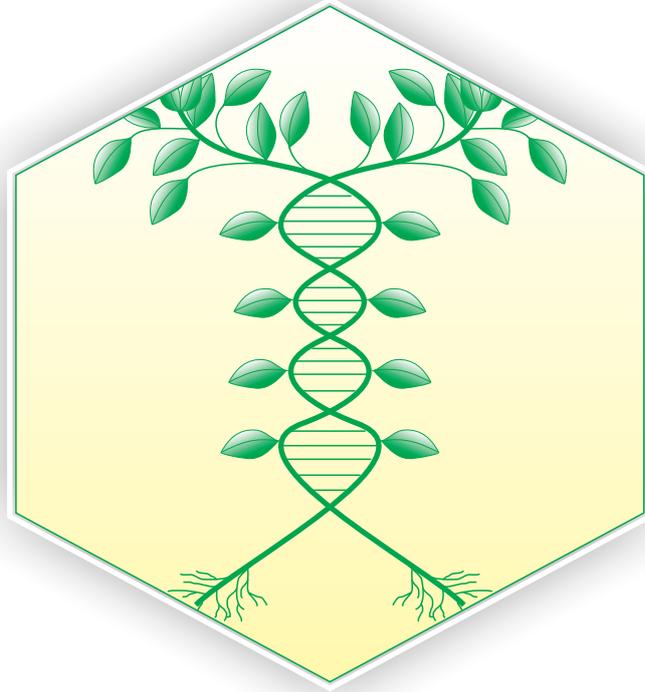
Place:

Recommendation of the Sponsoring authority

(Signature and Designation of the Nominating Authority)

**National Workshop
on
Current Trends in Agricultural Bioinformatics**

(September 22-24, 2015)



Programme Directors

**Dr. M.Balakrishnan
Dr. Dinesh Kumar**



भाकृअनुप - राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी
राजेन्द्रनगर, हैदराबाद-500030, तेलंगाण, भारत
ICAR-National Academy of Agricultural Research Management
Rajendranagar, Hyderabad-500030, Telangana, India
<http://www.naarm.ernet.in>



The ICAR-National Academy of Agricultural Research Management (NAARM), Hyderabad announces a **National Workshop on Current Trends in Agricultural Bioinformatics** from **September 22-24, 2015** at Hyderabad.

Background

Bioinformatics is a new emerging field that helps in collecting, linking, and manipulating different types of biological information to discover new biological insights. In short, bioinformatics is an information management system for molecular biology, biotechnology, medicine and agriculture. The most pressing tasks in bioinformatics involve the finding of genes in the DNA sequences of various organisms, developing methods to predict the structure and/or function of newly discovered proteins and structural RNA sequences, clustering protein sequences into families of related sequences, development of protein models, aligning similar proteins and generating phylogenetic trees to examine evolutionary relationships. The sequencing of the genomes of microbes, plants and animals would have enormous benefits for the agricultural community. Computational analysis of these sequence data generated by genome sequencing, proteomics and array-based technologies is critically important. Bioinformatics tools can be used to search for the genes within these genomes and to elucidate their functions. This specific genetic knowledge can then be used to produce stronger, more drought resistant, disease resistant, insect resistant and more productive crops and animals. This workshop focusses on changed scientific scenario in the postgenomic era by exposing the agricultural scientists to the latest computational biology tools for biological research.

Objectives

- To equip the scientists with basic and advanced domains of bioinformatics in agriculture
- To present hands on approach to Bioinformatics utility softwares

Scope of the workshop

The workshop would focus on conservation of sustainability covering the major themes like Bioinformatics and agricultural research in India, UNIX Command-Line, biological databases, similarity search and sequence alignment, molecular marker discovery and its application in agriculture productivity and management, genome assembly, transcriptome analysis, genome annotation, metagenome analysis, big data and bioinformatics in agriculture and IPR issues in Bioinformatics.

Methodology

The workshop will consist of blend of lectures followed by demonstration of Bioinformatics tools/software including remote access and use of supercomputing facility, ASHOKA (<http://cabgrid.res.in/cabin/>) and group discussion. This will followed by lead and review papers on the above themes. The workshop will provide excellent opportunities for mutual interaction and information sharing among the participants.

Registration Fee

For non-ICAR participants the fee is ₹ 3,000/- which includes Training Kit/material, board, lodging charges of NAARM guesthouses/hostels excluding TA/DA. The participants from ICAR, there is no registration fee, however they have to pay board and lodging charges at an approximate cost of ₹600/- per day.

The programme fee may be paid through a demand draft drawn in favour of "ICAR Unit-NAARM", payable at Hyderabad; sent along with the Nomination Form. Payment can also be made during registration. The information should be mentioned on the reverse side of the Demand Draft: Please include the details like programme title; name of the participant and office address.

Cash payments at the time of registration or payment through NEFT/RTGS also accepted. For details visit. <http://www.naarm.org.in/training>

Workshop Dates, Duration

September 22-24, 2015 (3 days). Participants are expected to arrive by the evening of the September 21, 2015 and can leave after 1700 hrs on September 24, 2015.

Last Date for receiving nominations

September 15, 2015

Who Should Attend

Scientists, Faculty and Officials of ICAR, Agricultural Universities and others working in Agriculture and allied disciplines.

Board and Lodging

All participants are expected to stay in the well-furnished Halls of Residence or Scientists' Home on twin-sharing basis. Participants are requested not to bring any family members with them.

Travel

ICAR-NAARM is located in Rajendranagar (17°18'49"N latitude and 78°24'42" East longitude) in Hyderabad about 20 km from the Hyderabad Rajiv Gandhi International Airport, Shamshabad; 25 km from the Secunderabad Railway Station; 16 km from the Hyderabad Railway Station; 16 km from the Kacheguda Railway Station and 12 km from the Imlibun/Mahatma Gandhi Bus Station (MGBS). From any of these alighting points, participants can take an autorickshaw/taxi/car. Hyderabad has a salubrious climate.

Travel TA and DA has to be met by the participants/sponsoring organizations.

How to Apply

Applicants are advised to fill nomination form online after registration on Training Management Information System (<http://www.naarm.org.in/training>). Upload filled, signed and scanned nomination form onto Training Management Information System or mail it to Academic Cell, NAARM (academiccell@naarm.ernet.in).

For further information please contact:

OIC, Academic Cell,
ICAR-National Academy of Agricultural Research Management,
Rajendranagar, Hyderabad -500 030 Telangana State, India.
Email: academiccell@naarm.ernet.in; training.naarm@icar.gov.in
Telephone: +91-40-24581319/310/327
Fax : +91-40-24581484/24015912

Programme Director(s)

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