Workshop cum Training on

APPLICATION OF BIOINFORMATICS TOOLS IN AGRICULTURE

March 06 -08, 2017

Sponsored By

Department of Biotechnology
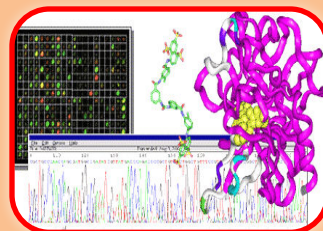### Govt. of India, New Delhi

Organized By

Agricultural Knowledge Management Unit
ICAR-Indian Agricultural Research Institute
New Delhi-110012

Important Dates

Last date for receiving Application
25th February, 2017

Intimation of Selection
28th February, 2017

Duration of workshop
06th- 08th March, 2017

Course Content

✓**Cloud Computing & Big-data analysis**

✓**Agricultural bioinformatics**

✓**Molecular modeling**

✓**Protein-ligand interaction analysis**

✓**Visualization & analysis of complex biological networks**

Course Director
Dr. A. K. Mishra
Incharge & Coordinator (BIC)
AKMU, IARI, New Delhi-110012
Phone: 011-25841255, 25842490
Fax: 011 – 25842490
Email: akmishra@iari.res.in
akmishra.agri@gmail.com

Course Convener
Dr. Amrender Kumar
Sr. Scientist
AKMU, IARI, New Delhi-110012

Bioinformatics Centre

The Agricultural Knowledge Management Unit (AKMU) was established by merging Bioinformatics Centre (BIC), Unit for Application of System Simulation (UASS) and Internet Facility (IF) of IARI in November 2003. Between 1989 and 2003, Bio-informatics Centre was established as a part of Biotechnology Information System (BTIS) Network under the Department of Biotechnology (DBT), Government of India, to function as a computerized information base in different fields of agricultural sciences in general and Agricultural Biotechnology in particular. Currently, besides Bioinformatics activities, the Unit is entrusted with responsibility of developing ICT in agricultural research, maintaining the Institute's network, website and the web server administration.

About Workshop

Date	March, 06-08, 2017
Duration	3 days
Subject of Area	Agri-informatics
Methodology	Lectures, Demos with Hands on session
Level of Participants	Students, Research Scholars, Faculty from various Colleges, Universities & Research Organizations
Prerequisite	Skill in operation of Computer
No. of Participants	20
Registration Fee	Nil
Accommodation	As per Institute charges /norms

Procedure for Selection

✓Submission of Application Form before deadline, only via E-mail.
✓Short-listing of applicants.
✓Selection will be based on first come first serve basis.
✓ All communications will be done only via E-mail.

Application Form

1. Full Name (block letters):

2. Designation:

3. Organization:

4. Date of birth:

5. Sex (Male/ Female):

6. Email:

7. Phone/Mobile No.:

8. Educational qualifications:

9. Computer proficiency:

10. Current Area(s) of Research:

11. Accommodation required: Yes / No

12. Tentative date(s) of arrival & departure:

Signature of Applicant with date

Certificate and recommendation by the forwarding authority

It is certified that the information provided above is verified and found correct. The applicant is recommended & nominated for attending the workshop cum training at IARI.

Date:
Place:

Signature with seal of the Authority

Objective: The main objective of the training program is to give exposure to the participants with a theoretical and practical understanding of various bioinformatics tools and databases. This workshop will be helpful to manage agricultural data and the analysis of bio-molecules at gene or protein level using bioinformatics tools such as sequence analysis, structure prediction, analysis and classification and interaction studies concepts from genome to proteome level.