

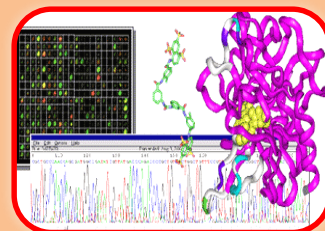
Workshop cum Training on

TOOLS AND TECHNIQUES IN BIOINFORMATICS

March 12-14, 2018

**Sponsored by
Department of Biotechnology
Govt. of India**

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



Important Dates

Last date for receiving Application
4th March, 2018

Intimation of Selection
6th March, 2018

Duration of the workshop
12th- 14th March, 2018

Course Content

- ✓ **Cloud Computing & Big-data analysis**
- ✓ **Agricultural bioinformatics**
- ✓ **Molecular modeling**
- ✓ **Protein-ligand interaction analysis**
- ✓ **Biological Data mining**
- ✓ **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
Principal Scientist
AKMU, IARI, New Delhi-110012

Bioinformatics Centre

Bioinformatics Centre at Indian Agricultural Research Institute (IARI) was established in 1989 under Biotechnology Information System Network (BTISnet) with Department of Biotechnology (DBT) support to function as a computerized information base in fields related to Agricultural Biotechnology in particular and fields allied to agriculture in general. The Centre became an integral part of Agricultural Knowledge Management Unit (AKMU) in 2013 and entrusted with additional responsibilities of maintaining the Institute's local area network, website development, data centre administration, online examination and ERP management. In addition, chemo-informatics techniques, regression analysis and other statistical studies have also been conducted to approach biological questions with computational approach. The centre is also working with big data analytics and forecasting models to enhance agricultural productivity.

About Workshop

Date	March, 12-14, 2018
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

- ✓ **Submit the Application Form before deadline, either in hard copy or soft copy via E-mail.**
- ✓ **Intimation of selection 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 this workshop cum training is to give exposure to the participants with a theoretical and practical understanding of various bioinformatics tools and techniques. This workshop will be helpful to manage biological data and the analysis of bio-molecules at gene or protein level using bioinformatics tools such as sequence analysis, structure prediction, Analysis and interaction studies from genome to proteome level.