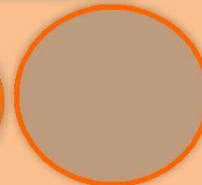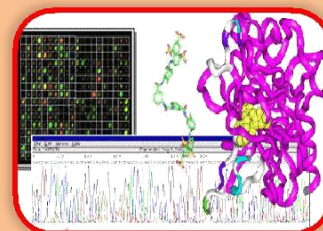# *Workshop cum Training on*

Bioinformatics Techniques in Biological Data Mining

March 25 -27, 2019

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
15th March, 2019

Intimation of Selection
20th March, 2019

Duration of workshop
25th- 27th March, 2019

Course Content

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

✓**Agricultural bioinformatics**

✓**Molecular modelling**

✓**Protein-ligand interaction Analysis**

✓ **Biological Data Mining**

✓**Visualization of Complex biological networks**

Course Director
Dr. A. K. Mishra
Incharge & Coordinator (BIC)
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Course Convener
Dr. Amrender Kumar
Principal Scientist
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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, 25-27, 2019
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.