# TEN DAYS VIRTUAL TRAINING

## कृषि में जेनोमिक आंकड़ों का विश्लेषण
## Genomic Data Analysis in Agriculture

Under DBT funded Project **"Establishment of Centre for Bioinformatics and Computational Biology in Agriculture – BIC at ICAR-Indian Agricultural Statistics Research Institute at New Delhi"**

**Organised by: Division of Agricultural Bioinformatics**
**ICAR-Indian Agricultural Statistics Research Institute, New Delhi**

**Course Advisor**
Dr. Girish K. Jha, HoD
Dr. Rajender Parsad
Director

**Date: March 18-28, 2024**

**Time**: 2.00 to 5.00 PM via Zoom

**Course Coordinator**
Dr. Mir Asif Iquebal
Dr. Sarika
Dr. Dinesh Kumar

## Important Topics

Bioinformatics in agriculture, Biological databases, Basic bioinformatics tools and techniques, Overview on LINUX, Basics of R and R-studio, Phylogenetic analysis, Overview on NGS data and analysis techniques, Molecular marker discovery, GBS data analysis, QTL mapping analysis, Genome -wide association studies and Genomic selection.

**Available software**:
CLC Genomics, MolQuest, Blast2Go Pro (OMICSBOX), SVS Suit, JoinMap 5.0, QTLMap 6.0, PEAKS etc.

**Computing facilities:** The Institute has several computer laboratories well equipped with latest hardware and software packages along with modern teaching aids.

**Eligibility:** Faculties, Teachers, Scientists, Research Scholars, Undergraduate and post graduate students of Agricultural and Allied Sciences/ Biological Sciences/ Basic Sciences etc.

## About ICAR-IASRI

ICAR-IASRI The Institute ICAR-IASRI started its journey as a Statistical Section in 1930 in then Imperial Council of Agricultural Research and has grown to a premier institute of relevance to conduct research and to develop trained manpower for Statistical Sciences (Statistics, Computer Applications, and Bioinformatics) and their judicious fusion in agricultural sciences for enriching quality agricultural research and informed policy decision making. The Institute also conducts M.Sc. and Ph.D. degree courses in Agricultural Statistics, Computer Applications and Bioinformatics in collaboration with the Graduate School, ICAR-IARI, New Delhi. The Institute also conducts postgraduate and in-service teaching, customized and sponsored training courses in Agricultural Statistics and Informatics at National and International level so as to be a leading Centre of excellence in Human Resource Development.

ICAR-IASRI provides advisory and consultancy services for strengthening the National Agricultural Research and Education System (NARES) and undertaking sponsored research and consultancy for National and International organizations. ICAR-IASRI also provides methodological support in strengthening National Agricultural Statistics System (NASS) and has established linkages with State Departments of Agriculture and allied fields, other Research Institutions, and Industry etc. It leads in development of Agricultural Knowledge Management Systems for NARES. There are six divisions in the Institute and the Institute is equipped with the modern facilities.

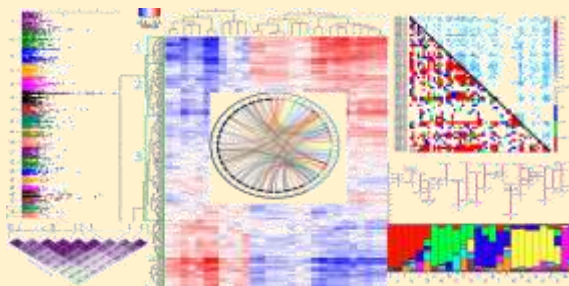**Advanced Supercomputing Hub for OMICS Knowledge in Agriculture (ASHOKA)**

**Library:** The library has rich collection of books and journals on Statistics, Computer Science, Bioinformatics and other related disciplines.

**Contact Details**

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**Last date for Registration:**
March 13, 2024

**Registration Link** https://forms.gle/SdFCmAs2AxFk9am26