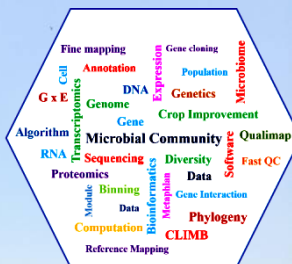
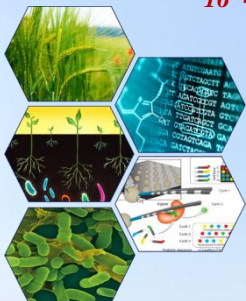




WORKSHOP on

“Bioinformatic Analysis On Soil Microbial Community Sequence Data”

16th-20th March, 2020



Sponsored by

**National Agricultural Higher Education Project
(NAHEP)**

&

The Crawford Fund Australia

Course Director : Dr. K. Annapurna
Course Coordinators: Dr. VVSR Gupta
Dr. Paul Greenfield
Dr. Andrew Bissett
Dr. A. Kumar



Division of Microbiology
ICAR-Indian Agricultural Research Institute
New Delhi - 110012





About NAHEP- CAAST:

Centre for Advanced Agricultural Science and Technology (CAAST) is a student centric subcomponent of the World Bank sponsored National Agricultural Higher Education Project (NAHEP) granted to IARI to provide a platform for strengthening educational and research activities of post graduate and doctoral students.

Objectives:

- To provide information on basic concepts, pipelines for analysis, annotate and assemble sequence data sets that can effectively be utilized in interpretation & application of findings to system based functions.
- To provide hand-on experience in undertaking metagenome & microbiome research program.

Course Outline:

The training will be hands on & include sessions on:

- Tools for Bioinformatic analysis of WGS, amplicon and metagenome sequence datasets
- Tools/techniques for statistical and diversity (alpha- and beta diversity) analyses
- Group activities for case studies
- Interactive discussion presentation

Broad areas:

- Genomes to Metagenomes
- Genome sequence: applications in agricultural systems
- Bioinformatics in sequence data analysis
- Diversity analyses and phylogenetic relationships
- Metagenome : basic concepts and development
- Linkage analyses and mapping function





Who can participate:

M.Sc/Ph. D scholars and faculty of ICAR accredited SAUs, CAUs, and other UGC recognized universities

Desirable: Basic knowledge in molecular biology, microbial diversity and bioinformatics

Number of participants:

The number of participants will be limited to twenty five.

Registration fee:

No registration fee is to be paid; the programme is fully sponsored by NAHEP-CAAST and The Crawford Fund.

Duration:

- 5 days from 16th March – 20th March, 2020

Food and Accommodation:

- Boarding and lodging for outstation candidates will be arranged at IARI by the organizers.
- TA will be provided **ONLY** for the student trainees limited to shortest trip by III-tier AC from the University in which the candidates are enrolled.

Important dates:

- Last date for receipt of application: **February 10th 2020**
- Intimation of selection : **February 13th, 2020**
- Confirmation of participation by candidates: **February 15th, 2020**

Application form can be downloaded from :
<http://www.iari.res.in/>
<http://nahep-caast.iari.res.in>

How to apply:

Complete application form in the prescribed format forwarded by head of the institute or departmental authorities should reach the Course Director, Division of Microbiology, ICAR-IARI, New Delhi on or before **10th February, 2020**. *Scanned copies of application forms may be sent to:*
caastiari.micro@gmail.com

Venue:

Division of Microbiology & IARI Library





Course Director:

Dr. K. Annapurna, Head & Principal Scientist

Division of Microbiology

ICAR-IARI, New Delhi-110012

Phone: +919868422180

e-mail: kannapurna@iari.res.in

Course Coordinators:

Dr. VVSR Gupta, Senior Principal Research Scientist

CSIRO Ag & F, Waite campus, Urrbrae, SA 5064

e-mail: gupta.vadakattu@csiro.au

Dr. Andrew Bissett, Senior Research Scientist

CSIRO O & A

Hobart, Tasmania

e-mail: andrew.bissett@csiro.au

Dr. Paul Greenfield, Research Fellow

CSIRO Energy, Sydney, NSW

e-mail: paul.greenfield@csiro.au

Dr. A. Kumar, Principal Scientist

Division of Plant Pathology

ICAR-IARI, New Delhi-110012

e-mail: kumar@iari.res.in

For more information:

Email

kannapurna@iari.res.in

Phone: +91-9868422180

Division of Microbiology

ICAR-Indian Agricultural Research Institute

New Delhi - 110012

