ICAR

ISO-9001:2008

Training on Basic & Advanced Statistical Techniques for Research

November 07-10, 2017

Organized by

ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT)
DARE., Ministry of Agriculture & Farmers Welfare, Govt. of India
Adenwala Road, Matunga, Mumbai 400019 (MS) INDIA

Introduction

- The ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT), one of the premier constituent institutes of the Indian Council of Agricultural Research (ICAR), was established in the year 1924. The Institute is conducting research and development on all aspects of post-harvest technology of cotton and value addition to cotton by-produce with following mandate:
  - Basic and strategic research on processing cotton and its ago-residues, development of value added products and quality assessment
  - Skill development and business incubation services and function as referral laboratory for cotton fibres.

The Institute has been conducting skill development programmes to propagate, encourage and guide entrepreneurs to successfully adopt and market commercially viable technologies and to equip people with best practices in cotton ginning, quality evaluation of cotton fibres and value addition to by-products.

About the training programme

The programme is intended for the academician and researchers. Research generates huge volume of data. In order to make research globally competitive, it is essential that sound statistical methodology be adopted for the collection & analysis of the data. With advancement of computing, use of sophisticated statistical technologies have attained greater importance in collection, analysis and interpretation of the scientific data.

Advances in statistical procedures have brought a change in all spheres of science and are being increasingly used by researchers to solve scientific hypothesis. Development in statistical application and use of computer have made it possible to examine data under varied perspective. The present training programme is designed to orient the participants with basic and advanced statistical techniques for planning the research and data analysis (using software) that will help them in interpretation of their results more meaningfully with a sense of reliability and confidence.

Objectives

The objective of this programme is to educate the participants about the statistical techniques and give them an exposure to basic and advanced methods/tools of statistical computing useful in the field of Research.
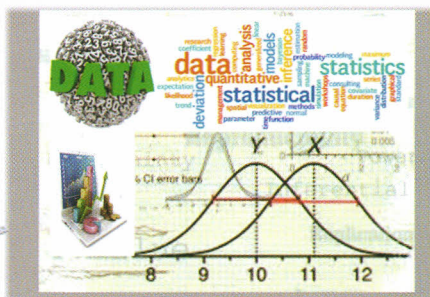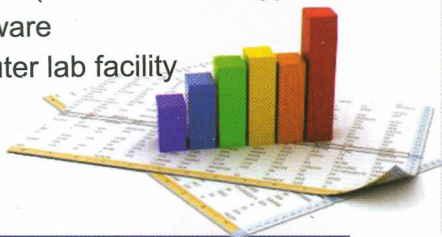
Course content

1. Introduction to software used in statistical analysis
2. Overview of SAS and R software
3. Descriptive and Inferential statistics
4. Correlation and Regression analysis
5. Design of experiment: Response Surface Methodology (Box Behnken & CCD)
6. Multivariate techniques: Principal Component Analysis (PCA), & Factor Analysis (FA), Cluster analysis & Discriminant analysis
7. Introduction to non-Linear models
8. Statistical analysis using excel, R software & SAS

Facilities Available

- Statistical software's (Licensed Version):
  - SAS(Statistical Analysis System)
  - MATLAB (Matrix Laboratory)
  - R-software
  - Computer lab facility

Date and Venue

November 07-10, 2017 at ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT), Adenwala Road, Matunga (East), Near Five Gardens, Mumbai 400019.

Accommodation

Guest house accommodation at ICAR-CIRCOT is limited and shall be provided at standard rate on first-come-first-serve basis in sharing basis (A/c) accommodation.

Fees

The programme fee is Rs. 8,000 + service tax (as applicable) per person. The charges include course fee, course material, breakfast and working lunch. The fee does not include travel, lodging and conveyance and other personal expense. There is 50% concession for students, academicians and participants from NARS.

How to apply

Interested participants may send their application in the prescribed format which is available on the website www.circot.res.in. The fee in the form of DD drawn/ at par Cheque in favour of **"Director, CIRCOT"** payable at Mumbai, may be sent to the below mentioned address so as to reach us on or before **30th October, 2017**. The Bank account details for NEFT transfer is given below:

Account Name	Director, ICAR-CIRCOT
Bank Name	State Bank of India, Commercial Branch, Dadar East, Mumbai – 400014
Account No.	10001710244
IFSC Code	SBIN0004114

How to Reach CIRCOT

From Airport (Domestic)   : 10 km
From Airport (International)   : 12 km
Nearest Railway Station   : Dadar (1.7 km)
Nearest Bus Stop   : Kapol Nivas on Dr. B.R. Ambedkar Road,   Matunga (E), and Five Gardens Bus Stop
Land Mark   : Five Gardens, Matunga

Organizers

Course Director   : Dr. P. G. Patil, Director, ICAR-CIRCOT
Course Coordinator   : Dr. C. Sundaramoorthy, Sr. Scientist, TTD,
                         Er. A. K. Bharimalla, Sr. Scientist & I/c Head, TTD
                         Dr. R. Guruprasad, Scientist, MPD

Address for correspondence

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