Academy of Agricultural Research and Education Management
DIRECTORATE OF HUMAN RESOURCE MANAGEMENT,
CCS HARYANA AGRICULTURAL UNIVERSITY,
HISAR-125 004 (HARYANA), INDIA

Dr. M.S.Sidhpuria
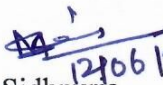**Director**

No.HRM/AAREM/ 951-69
Dated: 12.6.2020

Dear Sir/Madam,

The Academy of Agricultural Research & Education Management, Directorate of Human Resource Management, CCSHAU, Hisar in collaboration with Department of Mathematics and Statistics, COBS&H is organizing a Refresher Course on Statistical Tools and Techniques for analysis of Agricultural Data from July 8-28, 2020 through online mode. This course is open to scientists/teachers/extension personnel working in SAUs/ICAR institutes, State Universities, colleges and related organizations.

We invite nominations of scientists/teachers/extension workers working in your University/ Department for participation in this course. The nominations should reach the undersigned latest by 26/06/2020 only through E-mail: manjunagpalmehta@gmail.com. Hard copy of the form will not be accepted.

The course details and application proforma are enclosed.

Yours sincerely,

M.S.Sidhpuria

Encl: as above.

CC:

1. The Vice Chancellors, State Agricultural Universities.
2. The Vice Chancellors, State Universities.
3. Directors of Research and DEEs, State Agricultural Universities.
4. Directors, ICAR Institutes.
5. All Deans/Directors/Heads of Departments, CCSHAU, Hisar
6. Principal, College of Agriculture, Kaul.
7. All RRS/KVKs, CCSHAU, Hisar.
8. S.V.C. for information of the Vice Chancellor, CCSHAU, Hisar.
9. PRO, CCS HAU, Hisar for press coverage.
10. Incharge,compter section for uploading it on university website

Statistical Tools and Techniques for analysis of Agricultural Data

July 8-28,2020

FORMAT FOR NOMINATION

1.   Name   :

2.   Designation   :

3   Department/Office   :

4.   Date of joining

5.   Date of birth   :

6.   Address for communication

7.   Telephone: Office ……………   Mobile…………   E-mail…………..

8. Qualifications:

Degree	Year	University	Subject

9. Do you require financial assistance from ICAR   Yes/No

   Development Assistance Scheme? If no, mention the source of funding (Name and No. of Scheme)… … … … … … … … …

<div align="right">Signature of the Participant</div>

CERTIFICATE OF THE SPONSORING AUTHORITY

Ms./Mr./Dr…………………………………… is hereby nominated for participation in the Refresher Course on Statistical Tools and Techniques for analysis of Agricultural Data from July 8-28, 2020 being organized by the Academy of Agricultural Research and Education Management, Directorate of Human Resource Management, CCSHAU, Hisar. He/She will be relieved by the Department/office and treated on official duty during the period of the course.

<div align="right">Signature of the Competent Authority</div>

DIRECTORATE OF HUMAN RESOURCE MANAGEMENT

CCS HARYANA AGRICULTURAL UNIVERSITY
HISAR-125 004 (HARYANA), INDIA

Online Refresher Course
On
Statistical Tools and Techniques for analysis of Agricultural Data
(July 8-28, 2020)

Target Group	Extension Specialists/teachers/scientists working in SAUs, ICAR Institutes, State Universities, Colleges and other organizations.
Number of seats	30 (Thirty)
Last date to Register	26th June, 2020

NOTE:

➢ Registration Fee of Rs.2000/- per participant to be deposited through online after selection in the course
➢ Participation Certificate will be issued in digital form
➢ Interested applicants must send their details in the profoma

FOR MORE DETAILS CONTACT

Manju Mehta

Joint Director HRM

Email: manjunagpalmehta@gmail.com

Mobile: 92555-26303, 81686-84081

CCS HAU HISAR AT A GLANCE

Chaudhary Charan Singh Haryana Agricultural University popularly known as HAU, is one of Asia's biggest agricultural universities, located at Hisar in the Indian state of Haryana. It is named after India's seventh Prime Minister, Chaudhary Charan Singh. It is a leader in agricultural research in India and contributed significantly to Green Revolution and White Revolution in India in the 1960s and 70s. It has a very large campus and has several research centres throughout the state. It won the Indian Council of Agricultural Research's Award for the Best Institute in 1997. HAU was initially a campus of Punjab Agricultural University, Ludhiana. After the formation of Haryana in 1966, it became an autonomous institution on February 2, 1970 through a Presidential Ordinance, later ratified as Haryana and Punjab Agricultural Universities Act, 1970, passed by the Lok Sabha on March 29, 1970. A. L. Fletcher, the first Vice-Chancellor of the university, was instrumental in its initial growth.

ABOUT THE REFRESHER COURSE ON STATISTICAL TOOLS AND TECHNIQUES FOR ANALYSIS OF AGRICULTURAL DATA

Statistics is an emerging field of research having enormous applications in agriculture and allied sectors. To understand the increasing complexity among decision variables, many statistical techniques and tools have been developed in recent years. Each technique has its special assumptions and particular area of application. The agricultural professionals and policy makers have a role to play in selecting right technique and to understand the mechanisms of underlying statistical theories. With advancement in computational tools and techniques, this area has become most important for the current needs. Therefore, this training programme has been designed to address the needs of both theory and applications. In order to proceed towards need based research, it is important that agricultural professionals engaged in various disciplines are exposed to the advance developments taking place in this area. The proposed training programme would help researchers in formulating appropriate strategies to face the upcoming challenges.

OBJECTIVES OF THE REFRESHER COURS

- To educate the participants about various existing basic and advanced statistical techniques for agriculture data analysis.
- To familiarize the participants with the recent advances in designing of experiments and statistical analysis of experimental data for making valid inferences from agricultural research.
- To acquaint the participants with the use of statistical software packages for data analysis.

STATISTICAL TOOLS AND TECHNIQUES FOR ANALYSIS OF AGRICULTURAL DATA

Module 1: Introductory and Basic Statistics
Applications of Statistics in Agriculture and Allied Sciences
Descriptive Statistics
Data Transformation Techniques
Testing of Normality and Validity of the Data
Handling of Missing Data
Create and Analyze Surveys

Module 2: Basic Statistical Techniques:
Statistical Methods and Inference
Testing of Hypothesis
Correlation and Regression Analysis
Non-Parametric Tests
Linear and Non Linear Models
Time Series Modelling and Analysis
Survey and Sampling Techniques
Structural Equation Modelling

Module 3: Advance Statistical Modelling:
Multivariate Analysis
Principal Component Analysis
Discriminate Analysis
Factor Analysis and Probit Analysis
Overview of Basics of Econometrics
Econometrics Models and its applications
Survival Analysis
Bayesian Analysis
Simulation Techniques
Logistic Regression

Module 4: Statistical Packages:
MS-Excel
SPSS
SAS
R and R Studio
Open Source Software –OPSTAT
Indian NARS Statistical Computing Portal

Module 5: Design of Experiments:
Planning of Field Experiments
Analysis of Variance
One/Single Factor Experiments
Two Factor Experiments
Three Factor Experiments
Multiple Comparison Test

Module 6: Statistical Genetics:
Overview of Quantitative Genetics
Path Analysis
Diallel Analysis
Line x Tester Analysis
Augmented Design
Stability Analysis

Module 7: Optimization Techniques:
Optimization Techniques and its applications
PERT/CPM and applications
Overview of MATLAB
LETEX
Mathematical Models and Applications in Agriculture

Online nominations in the prescribed format may be sent through respective controlling officers to:

The Director,
Human Resource Management,
CCSHAU, Hisar- 125004 (Haryana).
Tel. (O) 01662-284316 , 255414

CHIEF PATRON

PROF. K.P. SINGH

Hon'ble Vice-Chancellor, CCSHAU, Hisar

CO- PATRON

Dr. M.S. SIDHPURIA

Director Human Resource Management,

CCSHAU, Hisar

Dr. Manju Singh Tonk	**Dr. Vinay Kumar**	**Manju Mehta**
Course Director	**Course Coordinator**	**Coordinator**
Professor and Head	**Assistant Scientist**	**Joint director**
Department of Mathematics and Statistics CCS Haryana Agricultural University, Hisar 125004 (Haryana)	**Department of Mathematics and Statistics CCS Haryana Agricultural University, Hisar 125004 (Haryana)**	**Directorate of Human Resource Management CCS HAU, Hisar 125004 (Haryana) India**
Off: 01662-255201		**Off: 01662-255414**
Mob. 9996210277	**Mob. 9896221071**	**Mob. 9255526303**

E-mail: manjunagpalmehta@gmail.com