



Conferences, Workshops, Meetings, Seminars and Annual Day Organized

CONFERENCES

- **20th Annual Conference and Silver Jubilee of the Agricultural Economics Research Association (AERA) India** on the theme “Agricultural Inputs and Services Delivery System for Accelerating Growth and Improving Farm Income” held at Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi organized by IARI, NCAP and IASRI during 09-11 October 2012. Dr. VK Bhatia was the Co-chairman of Technical Session II: Agricultural Research, Extension and Input Services and Dr. Seema Jaggi was the panelist in the Planery Session II on Strengthening Agricultural Policy Research.
- **International Conference on Statistics and Informatics in Agricultural Research (ICSI 2012)** by the Indian Society of Agricultural Statistics as its 66th Annual Conference during 18-20 December 2012 at Indian Agricultural Statistics Research Institute, New Delhi. Dr. VK Gupta was the Organizing Chair, Dr. VK Bhatia was the Organizing Co-Chair and Dr. Rajender Parsad was the organizing secretary for the Conference. The conference was attended by more than 250 delegates from 6 different countries (USA, Canada, Jordan, Sri Lanka, Botswana and India). There were 3 memorial lectures, one keynote address, two plenary talks and 3 distinguished lectures. 20 sessions of invited papers (including one Panel discussion on Knowledge Management in Agriculture) were also organised. More than 140 contributed papers were presented in 14 different

sessions. Following sessions were convened by the scientists of the Institute:

Advances in Statistical Genetics: Dr. VK Bhatia and Dr. AR Rao

HRD in Agricultural Statistics and Informatics:
Current Status and Challenges: Dr. VK Gupta

Small Area Estimation: Dr. Hukum Chandra

TEACHER'S DAY CELEBRATIONS

The Institute celebrated Teacher's Day on 05 September 2012 and honored Dr. SK Raheja and Dr. BBPS Goel, Former Directors IASRI. Dr. Alope Dey, Senior Scientist, INSA delivered Dr. Daroga Singh Memorial lecture on this occasion. Dr. VK Gupta, National Professor, ICAR, New Delhi presided over the function. Dr. Rajender Parsad, Professor (Agricultural Statistics) was the convener of the celebration.

ANNUAL DAY CELEBRATIONS

The Institute celebrated its 53rd Annual Day on 02 July 2012. Dr. Padam Singh, Former Member, National Statistical Commission, Govt. of India and Head EPOS Health Consultants (India) Pvt. Ltd. presided over the function and Dr. Gurbachan Singh, Chairman, Agricultural Scientists Recruitment Board, ICAR, New Delhi delivered the Nehru Memorial Lecture on “Food and Nutrition Security”. Nehru Memorial Gold Medal for the year 2009-11 was awarded to Sh. Samarendra Das, M.Sc. (Agricultural Statistics) student and Ms. Satma M.C., M.Sc. (Computer Application) student. The Annual

Report of the Institute for the year 2011-12 was also released on this occasion.

SEMINARS

Salient outcomes from the completed research projects undertaken on different aspects of Agricultural Statistics and Computer Application and Bioinformatics were presented in the seminars organized regularly at the Institute. Open seminars were also organized for new research project proposals. Outline of Research Work (ORW) seminars, Course seminars and Thesis seminars were delivered by the students of M.Sc. and Ph.D. (Agricultural Statistics) and M.Sc., (Computer Application) and M.Sc. (Bioinformatics). During the period under report, a total of 108 seminar talks were delivered. Out of these, 78 were student seminars, 22 by scientists of the Institute and 08 by Guest Speakers as follows:

Guest Seminars

- Dr. Asha Seth Kapadia, Professor of Biostatistics, Management and Policy Sciences, University of Texas, School of Public Health, Houston, USA on Current Issues in Public Health.
- Mr. Biswajit Nayak, Stat Soft India, on A demo on ANN and SVM through Statistica Software.
- Dr. Madan Kumar Bhattacharya, Professor, Iowa State University, USA on One Possible Mechanism involved in Foliar Sudden Death Syndrome Development in Soybean.
- Dr. Pushpendra Gupta, NASI-Senior Scientist on Recent Advances in Quantitative Genetics
- Dr. Shyamal D. Peddada, Biostatistics Branch, National Institute of Environmental Health Sciences (NIH), Research Triangle Park, NC 27709 on Identification of a Set of Signature Cell-Cycle Genes whose Relative Phase Order is Conserved Across Species.
- Prof. Balgobin Nandram, Department of Mathematics and Statistics, Concordia University, Montreal, Canada on Assessing correlations in a Bayesian Analysis of a Small Area Finite Population Proportion.
- Prof. Yogendra P Chaubey, Department of Mathematics and Statistics, Concordia University, Montreal, Canada on Symmetrising and Variance Stabilizing Transformations.
- Prof. RS Chhikara, School of Natural and Applied Sciences, University of Houston – Clear Lake, Texas, USA on Modelling Repeated Observations of Blood Volume in Muscle Microcirculation.



SYMPOSIA / WORKSHOPS ORGANISED UNDER VARIOUS PROJECTS

S. No.	Title	Venue	Date
1.	Workshop cum training programme on Web Enabled Information System for On Farm Research Experiments for OFR Agronomists under PDFSR, Modipuram	IASRI, New Delhi	20-21 April 2012
2.	Requirement Analysis Workshop for ICAR ERP under the NAIP Project Implementation of Management Information System (MIS) including Financial Management System (FMS) in ICAR	IASRI, New Delhi	30 April to 05 May 2012
3.	Workshop for Nodal Officers of NAIP Consortium on Strengthening Statistical Computing for NARS	IASRI, New Delhi	25 June 2012
4.	Workshop-cum-Installation Training Programme for Nodal Officers of NAIP Consortium on Strengthening Statistical Computing for NARS	IASRI, New Delhi	26 June 2012
5.	Workshop on Evaluation of Agriculture Census Scheme (EACS) and Training for Input Survey 2011-12 funded by Agriculture Census Division (ACD), DAC, Ministry of Agriculture, Govt. of India, New Delhi	IASRI, New Delhi	28-29 June 2012
6.	Partner's meet of NAIP project Establishment of National Agricultural Bioinformatics Grid	IASRI, New Delhi	19-21 July 2012



7.	Data Digitization Awareness Workshop under MIS/FMS Project	IASRI, New Delhi	12 September 2012
8.	Brain-storming Workshop to Discuss Draft RFD	IASRI, New Delhi	04 January 2013
9.	Sensitization Workshop under Strengthening Statistical Computing for NARS	Sardar Ballabh Bhai Patel University of Agricultural and Technology, Modipuram, Meerut	13-14 March 2013
हिन्दी कार्यशाला			
10.	एम.एस.-एक्सेल संयोजक : सिनी वर्गीस सुशील कुमार सरकार	भा.कृ.सां.अ.स., नई दिल्ली	27 नवम्बर 2012
11.	मेल-मर्ज संयोजक : नरेश चन्द पन्ना लाल गुप्ता	भा.कृ.सां.अ.स., नई दिल्ली	07 मार्च 2013
FOR NODAL OFFICERS OF NISAGENET			
12.	Appraisal cum Data Validation Workshop Resource Person: RC Goyal & Pal Singh	Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu, J&K	12-13 September 2012
13.	Appraisal cum Data Validation Workshop Resource Person: RC Goyal	TANUVAS, Chennai	20-21 December 2012
14.	Appraisal cum Data Validation Workshop for ANGRAU Resource Person: RC Goyal	College of Agriculture, ANGRAU, Andhra Pradesh	23 January 2013
15.	Appraisal cum Data Validation Workshop Resource Person: RC Goyal	Banaras Hindu University, Varanasi	19-20 March 2013



WEB GENERATION OF EXPERIMENTAL DESIGNS BALANCED FOR INDIRECT EFFECTS OF TREATMENTS

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About Design

Catalogue

Generate Design

Williams Square CODs

Extra-Period Williams Square CODs

Two-Period CODs

Strongly Balanced CODs

Totally Balanced Complete Sequence CODs

Totally Balanced Incomplete Sequence CODs

Complete/Incomplete Sequence CODs (e)

Using MOLS

Minimal Balanced CODs

This webpage generates following two categories of experimental designs balanced for indirect effects of treatments:

Neighbour Balanced Designs (v treatments, b blocks, r replicates)

Crossover Designs (v treatments, p periods and n units)

It displays the layout plans along with the randomized layout for given number of treatments. The parameters of the designs so generated are also displayed.

Crossover design for $v = 5, p = 5, n = 10$

Periods	Experimental Units									
	1	2	3	4	5	6	7	8	9	10
1	4	1	5	2	3	5	1	2	3	4
2	3	5	4	1	2	1	2	3	4	5
3	5	2	1	3	4	4	5	1	2	3
4	2	4	3	5	1	2	3	4	5	1
5	1	3	2	4	5	3	4	5	1	2