List of Publications

Research Papers


20. भीमिक, अर्ण, वासिं, एल्लो, जरंगी, सीमा, वर्गी, मिसी, महजैं, वी.जे. एवं वितल, विजय (2015). उपभाषियों के प्रभाव के साथी आकलन हेतु उच्च क्रम तंत्र समूपित चक्रीय धातक अभिव्यक्तियों, पालतीय कृषि अनुभाग मर्यादा, 30(3), 155-158.


**Popular Article**


Pocket Diary

Book

Book Chapter

Papers in Conference Proceedings


Astral International Pvt. Ltd., New Delhi, 299-308.

- Chandra, H. Small area estimation under transformation, 22-34.
- Mandal, BN, Gupta, VK and Parsad, R. Distance balanced sampling plans: An overview. 74-81.
- Aditya, K and Sud, UC. Higher order calibration estimators under two stage sampling, 141-149.
- Arora, A, Marwah, S and Alam, AKMS. Decision support system for effective management of ICAR sponsored training programmes, 338-347.
- Bhardwaj, SP. Study of price volatility in pulse crops-A case study of masoor grain, 260-275.
- Guha, S, Chandra, H and Sud, UC. Outliers robust generalized regression estimators for finite population total, 183-193.
- Kumar, M, Choubey, AK, Arora, A, Marwaha, S, Dahiy, S, Bhardwaj, A, Rao, NS, Islam, SN and Ahuja, S. E-human resources management system in ICAR, 321-337.
- Pal, S and Mazumdar, D. Long term trend analysis of temperature over India, 244-259.

E-learning Portal


Training/Reference Manual

- एच.एस.एस.एस. द्वारा ऑर्डरेशन का विशेषण एवं रिपोर्ट सूचना (2015, अथि भौमिक एवं एडोर वर्गीय)।
- Bioinformatics and high dimensional genome data analysis (2015, Eds. Rao, AR and Meher, PK)
- Crop Cutting Experiments Technique (2015, Eds. Ahmad, T. and Choudhary, VK)
- प्राकृतिक का प्रयोग (Testing of Hypothesis) (2015, Eds. एडोर वर्गीय एवं हंग्री कृत्रिम गतिविधि).
- Manual on Price Forecasting Techniques (2015,
Recent Advances in Next Generation Sequencing Data Analysis (2016, Eds. Grover, M and Mishra, DC)

Recent Advances in Statistical Genetics and Genomics (2016, Eds. Meher, PK and Pradhan, UK)


Computational Tools and Techniques for Molecular Data Analysis in Agriculture - Volume I. (2016, Eds Sarika, Mir Asif Iquebal, Manjeet Kaur, Anil Rai and Dinesh Kumar)

Computational Tools and Techniques for Molecular Data Analysis in Agriculture - Volume II. (2016, Eds Sarika, Mir Asif Iquebal, Manjeet Kaur, Anil Rai and Dinesh Kumar)

Operating Manual


e-Manuals


Project Report Published


Sharma, NK and Dash, S (2015). Planning, Designing and Analysis of On-farm research experiments planned under the project directorate of farming system research SIX0704 I.A.S.R.I./P.R.-04/2015


Technical Reports Published

Ahmad, T, Sud, UC and Sahoo PM (2016). Infrastructure report on Organizational structure and man power requirements, their role and functions along with budget requirement for implementation of alternative sampling methodology developed by ICAR-IASRI for estimation of area and production of horticultural crops. ICAR-IASRI, New Delhi Publication.

Ahmad, T, Sud, UC, Sahoo PM and Singh, M (2015). Instruction manual for primary data collection for horticulture survey under the project “Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Program under MIDH”. ICAR-IASRI, New Delhi Publication.

Ahmad, T, Sud, UC, Sahoo PM and Singh, M (2015). Instruction manual (Hindi version) for primary data collection for horticulture survey under the project “Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Program under MIDH”. ICAR-IASRI, New Delhi Publication.

Ahmad, T, Sud, UC, Sahoo PM and Singh, M (2015). Schedules for primary data collection for horticulture survey under the project “Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Program under MIDH”. ICAR-IASRI, New Delhi Publication.


Technical Bulletin Published


Workshop Document


Databases Developed

Brassica SSR database and web tools for accessing the information (MA Iquebal, Sarika, UB Angadi, Anil Rai and Dinesh Kumar).

CeareSTDb: A database for abiotic stress genes, their annotation and pathways of cereal crop has been developed. (Sanjeev Kumar, DC Mishra, Anil Rai, KK Chaturvedi, SB Lal and M Grover).

Mango SNPs database developed and web tools developed for browsing mango SNPs (MA Iquebal, Sarika, UB Angadi, Anil Rai and Dinesh Kumar).

Wheat in-silico and experiments SSR database and web portal development (UB Angadi)

Macros Developed

SAS code for selection of sample for crop area enumeration for the project “Study on improving methods for estimating crop area, yield and production under mixed, repeated and continuous cropping” for Rwanda.

R code for selection of sample for crop area enumeration for the project “Study on improving methods for estimating crop area, yield and production under mixed, repeated and continuous cropping” for Rwanda.
and production under mixed, repeated and continuous cropping" for Jamaica.

- R code for selection of tehsils and villages in each district of the states of Gujarat, Uttar Pradesh, Assam, Karnataka and Odisha under the project Pilot study for developing State level estimates of crop area and production on the basis of sample sizes recommended by Professor Vaidyanathan Committee report.
- SAS Macro for Generation of help replicate of 92* factorial with minimally changed run sequences.

E Resources


The following reference manual for different functional areas of ICAR Data Centre Operations have been prepared and made available at server \10.100.3.72\icar-dc for internal users. (2015) Choubey, AK, Marwaha, Sundeep, Arora, Alka, Rao, NS, Kumar, Mukesh, Saini, Rakesh, chand, subhash.

- Exchange & Lync (39)
- Storage & backup (30)
- Linux (26)
- Windows & Hyper-V (31)
- Helpdesk (4)
- Process (50)
- Network & Security (31)
- Database (36)

Leaflet Brochure Published

- Bhowmik, A and Varghese, C. "Statistical Advances for Technological Enhancement in Agricultural Research".
- भौमिक, अर्पण एवं वर्गी, खेती। कृषि अनुसंधान में प्रौढ़सत्ता प्राप्ति के लिए सार्वजनिक विकास।
- Grover, M and Mishra, DC. "Recent Advances in Next Generation Sequencing Data Analysis".
- Kumar, D and Sarika. "Computational Tools and Techniques for Molecular Data Analysis in Agriculture".
- Meher, P K and Pradhan, UK. "Recent Advances in Statistical Genetics and Genomics"
- Rao, AR and Meher, PK. Bioinformatics and high dimensional genome data analysis.

- Two Leaflet brochure were prepared and published by the Division of Sample Surveys on the following topics:
  i) Division of Sample Survey: A brief Profile
  ii) Applications of Remote Sensing and GIS and Agricultural Surveys.

- A poster on the topic “Crop Cutting Experiment (CCE) technique for determination of yield rates of different crops in India” was prepared by the Division of Sample Surveys and has been displayed in the SMD corridor.

Other Periodic Publications

- Annual Report 2014-15
- ICAR-IASRI News (quarterly)
- जीवितकी-तिमिर्य 2015-16, अंक 11