

List of Approved On-going Research Projects

Remote Sensing and Geographic Information System

1. Developing remote sensing based methodology for collecting agricultural statistics in Meghalaya.
Prachi Misra Sahoo, Anil Rai, Randhir Singh
2. Developing remote sensing based methodology for collecting agricultural statistics in North-East hilly region.
Prachi Misra Sahoo, Anil Rai , HVL Bathla, Tauqueer Ahmad, Samir Farooqi

Assessment and Evaluation Studies

3. Assessment of survey capabilities of private sector.
UC Sud, SD Sharma, HVL Bathla, RC Goyal, MS Narang, DC Mathur, AK Gupta, Satya Pal, VK Jain, Bhagwan Dass, Alka Arora
4. Impact assessment of fisheries research in India.
GP Reddy (NAARM), AK Vasisht, DR Singh
5. Adoption and impact of resource conserving technologies on farm economy in Indo-Gangetic Plains, India
RP Singh (IARI), AK Vasisht

Production and Area Estimation

6. Pilot study to develop an alternative methodology for estimation of area and production of horticultural crops.
Tauqueer Ahmad, HVL Bathla, Anil Rai, DC Mathur, RM Sood
7. Study to investigate the causes of variation between official and trade estimates of cotton production
Tauqueer Ahmad, HVL Bathla, Anil Rai, Prachi Misra Sahoo, AK Gupta, VK Jain, DV Mhadgut (CIRCOT, Mumbai)

8. Pilot study to develop sampling methodology for estimation of production of mushroom.

AK Gupta, UC Sud, DC Mathur

9. Pilot study on small area crop estimation approach for crop yield estimates at the gram panchayat level.

UC Sud, HVL Bathla, RS Khatri, VK Mahajan, DC Mathur, Hukum Chand

Cropping Systems Research

10. Planning, designing and analysis of experiments planned ON STATION under the Project Directorate of Cropping Systems Research.

Rajinder Kaur, Ajit Kaur Bhatia, Anil Kumar

11. Planning, designing and analysis of ON FARM research experiments planned under Project Directorate of Cropping Systems Research.

NK Sharma, PK Batra

12. Planning, designing and analysis of data relating to experiments conducted under AICRP on long-term fertilizer experiments.

DK Sehgal, Krishan Lal, SMG Saran

13. Some investigations on design and analysis of agro-forestry experiments.

Seema Jaggi, VK Sharma, AS Gill (IGFRI, Jhansi), Cini Varghese

14. A statistical investigation on production, economic and energy potential of crop sequences in different agro-ecosystems.

Rajinder Kaur, VK Sharma

15. Planning, designing and analysis of experiments relating to AICRP on STCR.

Aloke Lahiri, VK Sharma, A Subha Rao, Y Muralidharudu, Rajender Parsad, MR Vats, Abhishek Rathore and VK Gupta

16. Long term manorial and fertilizer experiment on potato based cropping systems.

CPRI Campus, Modipuram: NC Upadhyay, OP Singh, AK Shukla, MA Khan, BP Singh, DB Singh, V Sunaina, Kamlesh Malik, Nalini Rajan Kumar, Dinesh Kumar

From CPRI, Shimla: MC Sood, PM Govindakrishnan, KP Chandran

From PDCSR, Modipuram: SS Paul

From IASRI, New Delhi: Rajender Parsad

17. Impact of Micronutrients on crop productivity and returns

SP Bhardwaj, Rajendra Kumar, Ashok Kumar, Anil Kumar

Information System for Agricultural and Animal Experiments

18. Agricultural field experiments information system.

PK Batra, OP Khanduri, DK Sehgal

19. Development of animal disease information system for organized sheep farm with CSWRI, Avikanagar as Lead Centre.

Scientist from CSWRI and IASRI

Experimental Design for Agricultural, Animal, Agroforestry and Fisheries Research

20. Statistical and algorithmic approach for improved estimation of treatments effects in repeated measurements designs. (Funded by DST)

Cini Varghese, AR Rao, VK Gupta, Sanjeev Kumar

21. Design and analysis of experiments for spatially correlated observations. (Funded by DST)

Seema Jaggi, VK Gupta, Rajender Parsad

22. Designs for mixture experiments in agriculture.

Krishan Lal, VK Sharma, VK Gupta, PK Batra, Lal Mohan Bhar

23. Study on robustness of block designs for biological assays against loss of data.

Ravindra Srivastava, VK Gupta, Rajender Parsad

24. Estimation of extent of farming practices, resources and activities with energy use.

Jagbir Singh, KK Tyagi, KK Kher, AK Gupta, VK Jain

25. Web solutions for partially balanced incomplete block designs.

Anu Sharma, Cini Varghese, Seema Jaggi

26. Experimental designs for agricultural research involving sequences of treatments.

Cini Varghese, Seema Jaggi

Studies on Gene Action, Estimation of Genetic Parameters and Genetic Merit, Genetic Progress and Other Related Statistical Methods

27. Effect of selection and incomplete model specifications on heritability estimates.

VK Bhatia, SD Wahi, AK Paul, AR Rao

28. A statistical study of rainfall distribution and rainfall insurance.

Asha Saksana, Prajneshu, Himandri Ghosh

29. Statistical investigation on the performance of non-parametric stability measures when the genotype by environment data is non-normal. (Funded through AP Cess Fund, ICAR)

AK Paul, Inder Singh, VT Prabhakaran

30. Some investigations on stable and robust clustering procedures. (Funded through AP Cess Fund, ICAR)

Wasi Alam, SD Wahi, VT Prabhakaran, Pal Singh

31. Computational analysis of SNPs at functional elements of rice areas.

AR Rao, Anu Sharma, SB Lal, Trilochan Mohapatra (NRCPB, IARI, New Delhi)

32. Empirical investigations on estimation of genetic correlation.

SD Wahi, AR Rao

Forecasting Techniques in Agricultural System

33. Crop forecasting using state space models.

Ramasubramanian V, Chandrahas

34. Neural network based forecast modeling in crops.

Amrender Kumar, Ramasubramanian V, Ranjana Agrawal

35. Stochastic process modeling and forecasting through discrete nonlinear time series approach.
Himadri Ghosh, Prajneshu
36. Use of discriminant function and principal component techniques for weather based crop yield forecast.
T Rai, Chandrahas, Ranjana Agrawal, SS Walia
37. Weather based models for forecasting potato yield in UP
SC Mehta, Satya Pal
- Study of Technological Change, Risk and Uncertainty in Agriculture**
38. A study on editing and imputation using Neural Networks.
Ramasubramanian V, Ranjana Agrawal, SB Lal, Vipin Kumar Dubey
39. An econometric analysis of groundwater markets in Indo-Gangetic Plains of India.
DR Singh, AK Vasisht, Prawin Arya, Ashok Kumar, Mahender Singh
40. Supply constraints in tur (arhar) crop
Ashok Kumar, DR Singh
41. Visioning, policy analysis and gender (V-PAGE) (Sub-Prog. III): Policy analysis & market intelligence (NAIP Project)
SD Sharma, AK Vasisht, DR Singh, Ashok Kumar, SP Bhardwaj, Prawin Arya, Sushila Kaul, Pratap Singh (NCAP), NP Singh (IARI), Anil Rai, KK Chaturvedi
42. Visioning Policy Analysis and Gender (V-PAGE) Sub-Prog. II: Technology forecasting
SD Sharma, Ranjana Agrawal, Ramasubramanian V, Amrender Kumar, Satya Pal, Anil Rai, KK Chaturvedi, Girish Kumar Jha (IARI)
43. An econometric study of women empowerment through dairying in selected districts of Haryana.
Sushila Kaul, SP Bhardwaj, Sanjeev Panwar
- Development of Databases and Information System for National Agricultural Research System**
44. Software for survey data analysis.
VK Mahajan, GK Jha, SB Lal, Anu Sharma
45. Development of PERMISnet-II.
Balbir Singh, Alka Arora, Mohd. Samir Farooqi, Shashi Dahiya
46. National Information System on Agricultural Education Network in India (NISAGENET).
RC Goyal, PK Malhotra, VH Gupta, SB Lal, Alka Arora, K Chaturvedi, Ashok Kumar
47. Statistical Package for Animal Breeding 2.1 (SPAB 2.1)
IC Sethi, SD Wahi
48. Knowledge data warehouse for agricultural research
Anil Rai, PK Malhotra, Seema Jaggi, KK Chaturvedi, Prachi Mishra Sahoo, Mohd. Samir Farooqi
49. Strengthening, refining and implementation of expert system on wheat crop management.
SN Islam, HO Agarwal, Mohd. Samir Farooqi, KK Chaturvedi, HS Sikarwar
50. Support system for manpower planning – PERMISnet
Alka Arora, Balbir Singh, Samir Farooqi, Shashi Dahiya, Anil Rai
51. National Information System on Agricultural Education Network in India (NISAGENET 2)
RC Goyal, PK Malhotra, Ashok Kumar, VH Gupta, KK Chaturvedi, Mohd. Samir Farooqi

