

## 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. A study on editing and imputation using Neural Networks.  
**GK Jha**, HVL Bathla, SB Lal, Vipin Kumar Dubey

### Assessment and Evaluation Studies

3. Assessment of survey capabilities of private sector (Funded by Ministry of Statistics and Programme Implementation, C.S.O).  
**UC Sud**, SD Sharma, HVL Bathla, RC Goyal, MS Narang, DC Mathur, AK Gupta, Satya Pal, VK Jain, Bhagwan Dass, Alka Arora

### Production and Area Estimation

4. Estimation of wool production – emerging data needs and a methodological reappraisal ( AP Cess Fund, ICAR).  
**RS Khatri**, JP Goyal, J Jayasankar (CSWRI, Avikanagar), V Geethalakshmi (CSWRI, Avikanagar)
5. Pilot study to develop an alternative methodology for estimation of area and production of horticultural crops (Funded by Ministry of Statistics and Programme Implementation, C.S.O., New Delhi).  
**GK Jha**, HVL Bathla, Anil Rai, Tauqueer Ahmad, DC Mathur, RM Sood

### Cropping Systems Research

6. Planning, designing and analysis of experiments planned ON STATION under the Project Directorate of Cropping Systems Research.  
**Rajinder Kaur**, Ajit Kaur Bhatia, Anil Kumar

7. Planning, designing and analysis of ON FARM research experiments planned under Project Directorate of Cropping Systems Research.  
**NK Sharma**, PK Batra
8. Planning, designing and analysis of data relating to experiments conducted under AICRP on long-term fertilizer experiments.  
**MR Vats**, DK Sehgal, DK Mehta
9. Some investigations on design and analysis of agro-forestry experiments.  
**Seema Jaggi**, VK Sharma, AS Gill (IGFRI, Jhansi), Cini Varghese

### Information System for Agricultural and Animal Experiments

10. Agricultural field experiments information system.  
**PK Batra**, OP Khanduri, DK Sehgal
11. National information system on long term fertilizer experiments (AP Cess Fund, ICAR).  
**MR Vats**, DK Sehgal, Krishan Lal, Anshu Dixit, Shashi Dahiya

### Experimental Design for Agricultural, Animal, Agroforestry and Fisheries Research

12. Combined analysis of experiments on long range effect of continuous cropping and manuring on soil fertility and yield stability (Funded through AP Cess Fund, ICAR).  
**Anil Kumar**, Ajit Kaur, Rajinder Kaur, GC Sharma, B Gangwaar
13. Outliers in designed experiments. (Funded through AP Cess Fund, ICAR).  
**LM Bhar**, Rajender Parsad, VK Gupta

14. 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

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

**Seema Jaggi**, VK Gupta, Rajender Parsad

16. Statistical analysis for experiments on determining level and frequency phosphorous application in different cropping systems.

**Ajit Kaur**, VK Sharma, SK Sharma

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

17. 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

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

**Wasi Alam**, AR Rao, SD Wah, VT Prabhakaran

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

**VK Bhatia**, AR Rao, SD Wah

**Forecasting Techniques in Agricultural System**

20. Studies on bioecology and population dynamics of major pests of mango (hoppers, fruitfly, leaf webber and inflorescence midge) and guava (fruit borer) – Collaborative study.

**RP Shukla** (CISH, Lucknow), SC Mehta, Shashi Sharma (CISH, Lucknow)

21. Crop forecasting using state space models

**Ramasubramanian V**, Chandrahas

**Study of Technological Change, Risk and Uncertainty in Agriculture**

22. An Econometric Study of Estimation of Elasticities of Demand and Supply of major Fruits and Vegetables in India.

**Mahender Singh**, Ashok Kumar, Sivaramane N., DR Singh

23. An econometric approach for measurement of indemnity and premium rates under Crop Revenue Insurance.

**Prawin Arya**, Sivaramane N, DR Singh, Sanjeev Panwar, Mahendra Singh

**Study on Food Security and Poverty Alleviation**

24. Dietary pattern and nutritional status of rural households: State-wise analysis.

**Ashok Kumar**, DR Singh, Mahendra Singh

**Modelling for Agricultural Marketing**

25. Study of lac marketing in India (AP Cess Fund, ICAR).

**SP Bhardwaj**, Sanjeev Panwar, Sushila Kaul, VK Bhatia

**Development of Databases and Information System for National Agricultural Research System**

26. Development of PERMISnet-II.

**Balbir Singh**, Alka Arora, Mohd. Samir Farooqui, Shashi Dahiya

27. Statistical package for animal breeding.

**IC Sethi**

28. Development of expert system on wheat crop management.

**SN Islam**, HS Sikarwar, Samir Farooqui, Vipin Kumar Dubey, KK Chaturvedi, Hari Om Agarwal, Randhir Singh, AK Sharma, RK Sharma (DWR, Karnal ), JP Sharma, Kirti Sharma, KD Srivastava (IARI, New Delhi)

29. Software for the analysis of survey data.

**VK Mahajan**, GK Jha, SB Lal, Anu Sharma

30. National Information System on Agricultural Education Network in India (NISAGENET) (Funded through A.P. Cess Fund, ICAR).

**RC Goyal**, VH Gupta, VK Dubey, SB Lal, Sudeep