

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 harvest and post-harvest losses – a mission mode project under NATP.
HVL Bathla, Anil Rai, RS Khatri, Jagbir Singh, Tauqueer Ahmad, Girish Kumar Jha, Vipin Kumar Dubey
4. Study relating to formulating long term mechanisation strategy for each agro-climatic zone/state (Funded by Department of Agriculture and Cooperation, Ministry of Agriculture).
KK Tyagi, HVL Bathla, DL Ahuja, MS Narang, Satya Pal, RM Sood, Bhagwan Dass, SC Agarwal, AK Gupta, KK Kher, DC Mathur, Man Singh

Production and Area Estimation

5. Estimation of wool production – emerging data needs and a methodological reappraisal (Funded through A.P. Cess Fund, ICAR).
RS Khatri, JP Goyal, J Jayasankar (CSWRI, Avikanagar), V Geethalakshmi (CSWRI, Avikanagar)
6. Crop yield estimation at small area level using farmers' estimate (Funded by Ministry of Statistics and Programme Implementation, C. S. O., New Delhi).
UC Sud, DC Mathur, GK Jha, SC Sethi, RM Bhasin

Cost of Production Studies

7. Sample survey to develop sampling methodology for estimation of area, production and productivity

of important flowers on the basis of market arrivals (Funded by Ministry of Statistics and Programme Implementation, C. S. O., New Delhi).

AK Gupta, VK Jain, MS Narang, KK Tyagi, UC Sud

Cropping Systems Research

8. Planning, designing and analysis of experiments planned ON STATIONS under the Project Directorate of Cropping Systems Research.
Rajinder Kaur, Ajit Kaur Bhatia, Anil Kumar
9. Planning, designing and analysis of ON FARM research experiments planned under Project Directorate of Cropping Systems Research.
NK Sharma, PK Batra
10. Planning, designing and analysis of data relating to experiments conducted under AICRP on long-term fertilizer experiments.
MR Vats, DK Sehgal, DK Mehta
11. 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

12. Agricultural field experiments information system.
PK Batra, OP Khanduri
13. National information system on long term fertilizer experiments (funded by AP Cess Fund, ICAR).
MR Vats, DK Sehgal, Krishan Lal, Anshu Dixit, Shashi Dahiya
14. National Information System on animal experiments (Funded by AP Cess Fund, ICAR).
PK Batra, RC Goyal, VK Sharma, DK Sehgal

Experimental Design for Agricultural, Animal, Agroforestry and Fisheries Research

15. 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

16. Outliers in designed experiments. (Funded through AP Cess Fund, ICAR).

LM Bhar, Rajender Parsad, VK Gupta

17. Studies on block designs for biological assays (Funded through AP Cess Fund, ICAR).

R Srivastava, VK Gupta, Rajender Parsad

18. 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

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

Seema Jaggi, VK Gupta, Rajender Parsad

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

Ajit Kaur, VK Sharma, SK Sharma

21. A study on trend free designs.

Krishan Lal, Rajender Parsad, VK Gupta

Studies on Gene Action, Estimation of Genetic Parameters and Genetic Merit, Genetic Progress and other related Statistical Methods

22. 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

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

Wasi Alam, AR Rao, SD Wahi, VT Prabhakaran

Forecasting Techniques in Agricultural System

24. 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)

25. Development of model for forewarning about infestation of the insects of paddy crop – Collaborative study.

MK Sharma (NDUAT, Faizabad), V Pandey (NDUAT, Faizabad), RS Singh (NDUAT, Faizabad), Ramasubramanian V, SS Walia

26. Development of weather based forewarning system for crop pests and diseases. (Mission Mode project under NATP. Lead centre CRIDA, Hyderabad).

Ranjana Agrawal, SC Mehta, LM Bhar, Amrender Kumar

27. Study of non-linear time series modeling in agriculture.

H Ghosh, Prajneshu, A Paul

28. Modeling of forecasting of crop yield using weather parameters and agricultural inputs (Funded through AP Cess Fund, ICAR).

Ranjana Agrawal, Asha Saksena, LM Bhar, Amrender Kumar, Madan Mohan,YS Ramakrishna (CRIDA, Hyderabad), Kesava Rao (CRIDA, Hyderabad)

Study of Technological Change, Risk and Uncertainty in Agriculture

29. An econometric study of technological dualism in egg production.

SP Bhardwaj, Sivaramane N, Wasi Alam, Sushila Kaul

30. Technical efficiency analysis of rice-wheat system in Punjab (Funded through A.P. Cess Fund, ICAR).

SS Kutaula

31. 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

32. Jai-Vigyan National Science and Technology project on household food and nutritional security for tribal, backward and hilly areas (Mission Mode project under NATP).

Sushila Kaul, Dharam Raj Singh

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

Ashok Kumar, DR Singh, Mahendra Singh

34. Determinants of performance of self-help groups in rural micro-finance – Collaborative study.

Lakshmi Prasana (NCAP, New Delhi), Ashok Kumar

35. Water food security scenario analysis for 2025 – agro-ecological regional approach.

S Selvarajan (NCAP, New Delhi), Dharam Raj Singh

Modelling for Agricultural Marketing

36. Study of lac marketing in India (Funded through A.P. Cess Fund, ICAR).

SP Bhardwaj, Sanjeev Panwar, Sushila Kaul, VK Bhatia

Development of Databases and Information System for National Agricultural Research System

37. Institutionalisation of research priority setting, monitoring and evaluation and networking of social scientists (NATP, PME project under O&M component).

SD Sharma, PK Malhotra, RC Goyal, Ashok Kumar, VH Gupta, Sudeep Kumar, Alka Arora, Sangeeta Ahuja

38. Integrated National Agricultural Resources Information System (INARIS) (Mission Mode project under NATP).

Anil Rai, PK Malhotra, Randhir Singh, Alka Arora, Sudeep Kumar, Anshu Dixit, KK Chaturvedi, Vipin Kumar Dubey, PK Batra, MS Narang, VK Jain, T Ahmad, Prachi Mishra, SP Bhardwaj, Ramasubramanian V, AR Rao

39. Development of expert system of extension (CGP, NATP).

Ram Bahal, (IARI, New Delhi), Sudeep Kumar

40. Development of statistical package for agricultural research (Windows Version) SPAR 2.0.

Sangeeta Ahuja, PK Malhotra, VK Bhatia, Rajender Parsad, VH Gupta

41. Statistical package for animal breeding.

IC Sethi

42. 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)

43. Software for the analysis of survey data.

VK Mahajan, GK Jha, SB Lal, Anu Sharma

44. 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

