

List of Publications

Research Papers

1. Abeynayake, NR and Jaggi, Seema (2009). [A review of block designs for test treatments-control\(s\) comparisons](#). *J. Food Agril.*, 2(1), 22-29.
2. Abeynayake, NR, Jaggi, Seema and Varghese, Cini (2011). [Neighbour balanced bipartite block designs](#). *Comm. Statist.-Theory Methods*, 40, 4041-4052.
3. Abeynayake, NR, Jaggi, Seema and Varghese, Cini (2011). [Robustness of neighbour balanced complete block designs against missing observation\(s\)](#). *Model Assist. Statist. Appl.*, 6(2), 81-87.
4. Abeynayake, NR, Jaggi, Seema and Varghese, Cini (2012). [Neighbour balanced block designs for test treatments-control comparisons](#). *Int. J. Math. Statist.*, 12(2), 81-96.
5. Ahmad, T, Bathla, HVL, Rai, A, Mathur, DC and Sood, RM (2011). [An alternative sampling methodology for estimation of area and production of horticultural crops](#). *Model Assist. Statist. Appl.*, 6(4), 325-336.
6. Ahmad, T, Rai, A and Singh, R (2012). [Objective spatial analytic hierarchy process for identification of potential agroforestry areas using GIS](#). *Model Assist. Statist. Appl.*, 7(1), 65-73.
7. Babbar, A, Prakash, V, Tiwari, P and Iquebal, MA (2012). [Genetic variability for chickpea \(*Cicer arietinum* L.\) under late sown season](#). *Legume Res.*, 35(1), 1-7.
8. Behra, SK, Singh, MV, Singh, KN and Todwal, Sandeep (2011). [Distribution variability of total and extractable zinc cultivated acid soils of India and their relationship with some selected soil properties](#). *Geoderma*, 162, 242-250.
9. Bharadwaj, Anshu, Dahiya, Shashi and Jain, Rajni (2012). [Discretization based SVM model for classification of agricultural datasets](#). *Int. J. Comm. Appl.*, 40(1), 8-12.
10. Bhardwaj, SP (2011). [Significance of Market Information System \(MIS\) in agricultural development](#). *Ind. J. Agril. Marketing*, 25(3), 83-94.
11. Bhowmik, A, Ramasubramanian, V, Chandras and Kumar, Amrender (2011). [Logistic regression for classification in Agricultural Ergonomics](#). *Adv. App. Res.*, 3(2), 163-170.
12. Chambers, R, Chandra, H and Tzavidis, N (2011). [On bias-robust mean squared error estimation for linear predictors for domains](#). *Survey Methodology*, 37(2), 153-170.
13. Chandra, G, Tiwari, N and Chandra, H (2011). [Adaptive cluster sampling based on ranked sets](#). *Adv. Methodology Statist.*, 8(1), 39-55.
14. Chandra, H (2011). [Model-based direct vs indirect estimators for small areas](#). *J. Ind. Soc. Agril. Statist.*, 65(3), 347-358.

15. Chandra, H and Chambers, R (2011). [Small area estimation for skewed data in presence of zeros](#). *Cal. Statist. Assoc. Bull.*, 63, 249-252.
16. Chandra, H and Chambers, R (2011). [Small area estimation under transformation to linearity](#). *Survey Methodology*, 37(1), 39-51.
17. Chandra, H and Sud, UC (2012). [Small area estimation for zero-inflated data](#). *Comm. Statist.- Simul. Comput.* 41(5), 632–643.
18. Chandra, H, Bathla, HVL and Sud, UC (2010). [Small area estimation under a mixture model](#). *Statist. in Transition.*, 11(3), 503-516.
19. Chandra, H, Salvati, N and Sud, UC (2011). [Disaggregate-level estimates of indebtedness in the state of Uttar Pradesh in India-An application of small area estimation technique](#). *J. Appl. Statist.*, 38(11), 2413-2432.
20. Chandra, H, Sud, UC and Nicola, Salvati (2011). [Estimation of district level poor households in the state of Uttar Pradesh in India by combining NSSO survey and census data](#). *J. Ind. Soc. Agril. Statist.*, 65(1), 83-90.
21. Chattopadhyay, C, Agrawal, Ranjana, Kumar, Amrender, Meena, RL, Fauzder, Karuna, Chakravarty, NVK, Kumar, Ashok, Goyal, Poonam, Meena, PD and Chandrashekhar (2009). [Epidemiology and development of forecasting models for white rust of Brassica Juncea in India](#). *Archives of Phytopathology and Plant Protection*, 44(8), 751-763.
22. Chattopadhyay, C, Bhattacharya, BK, Kumar, Vinod, Kumar, Amrender and Meena, PD (2011). [Impact of climate change on pests and diseases of oilseeds brassica – the scenario unfolding in India](#). *J. Oilseed Brassica*, 2(2), 48-55.
23. Chilana, Poonam, Sharma, Anu and Rai, Anil (2012). [Insect genomic resources: status, availability and future](#). *Current Sci.*, 102(4), 571-580.
24. Choudhary, AK, Singh, D and Iquebal, MA (2011). [Selection of pigeonpea \(Cajanus cajan\) genotypes for tolerance to aluminum toxicity](#). *Plant Breeding*, 130(4), 492-495.
25. Dash, JA, Sarangi, A, Singh, AK, Sahoo, RN, Bhar, LM and Dutta, SP (2011). [Dynamics and budgeting of nitrate in crop root zone for assessment of groundwater pollution in the IARI farm](#). *Pusa AgriScience*, 34, 79-86.
26. Dash, Sukanta, Wahi, SD and Rao, AR (2012). [Classification of maize genotypes by artificial neural network-based method: self organizing feature map](#). *Ind. J. Agril. Sci.*, 82(2), 161-163.
27. Farooqi, Samir, Arora, Alka, Dahiya, Shashi, Rai, Anil and Singh, Balbir (2011) [PERMISnet-II: Personnel Management Information System Network-II for the Indian Council of Agricultural Research](#). *J. Ind. Soc. Agril. Statist.*, 65(1), 105-113.

28. Garg, KC, Kumar, S, Bhatia, VK, Ramasubramanian, V, Kumar, Amrender and Kumari, J (2011). **Plant genetics and breeding research: Scientometric profile of selected countries with special reference to India.** *Ann. Lib. Info. Stud.*, 58(6), 184-197.
29. Ghosh, A, Das, A, Bhattacharya, BK, Kumar, V, Kumar, Amrender, Meena, PD and Chattopadhyay, C (2012). **Impact of climate change on pests and diseases-The scenario unfolding in Indian Agriculture.** *SATSA Mukhapatra-Ann. Tech.*, 16, 15-29.
30. Ghosh, H and Prajneshu (2011). **Statistical learning theory for fitting multimodal distribution to rainfall data: An application.** *J. Appl. Statist.*, 38(11), 2533-2545.
31. Ghosh, H, Gurung, B and Prajneshu (2011). **Methodology for combining linear and nonlinear time-series models for cyclical data.** *J. Ind. Soc. Agril. Statist.*, 65, 237-256.
32. Ghosh, H, Iquebal, MA and Prajneshu (2011). **Bootstrap study of parameter estimates for nonlinear Richards growth model through genetic algorithm.** *J. Appl. Statist.*, 38, 491-500.
33. Goyal, P, Chahar, M, Mathur, AP, Kumar, Amrender. and Chattopadhyay, C (2011). **Morphological and cultural variation in different oilseed brassica isolates of alternaria brassicae from different geographical regions of India.** *Ind. J. Agril. Sci.*, 81(11),1052–1058.
34. Gupta, VK, Nigam, AK, Parsad, Rajender and Bhar, LM (2011). **Resolvable block designs for factorial experiments with full effects efficiency.** *J. Ind. Soc. Agril. Statist.*, 65(3), 305-315.
35. Islam, SN, Khan, MA, Kakani, RK, Krishna Kant, Aishwath, OP and Anwer, MM (2011). **Expert system for effective selection of seed spices varieties.** *Int. J. Seed Spices*, 1, 88-94.
36. Islam, SN, Kundu, Sushila, Shoran, Jag, Sabir, Naved, Sharma, Kirti, Farooqi, Samir, Singh, Randhir, Agarwal, Hari Om, Chaturvedi, KK, Sharma RK and Sharma, AK (2012). **Selection of wheat (*Triticum Aestivum*) variety from expert system on wheat.** *Ind. J. Agril. Sci.*, 82(1), 39-43.
37. Jaggi, Seema, Varghese, Cini and Abeynayake, NR (2010). **Neighbour balanced block designs for two factors.** *J. Mod. Appl. Statist. Methods*, 9(2), 452-460.
38. Jha, GK, Sivaramane, N, Padaria, RN, Singh, NP and Kumar, Ranjit (2011). **Identifying the determinants of poverty in rural and urban India.** *Ind. J. Extn. Edu.*, 47(1&2), 75-79.
39. Johnson, B, Vijayaragavan, K, Singh, Premlata, Mathur, VC, Jaggi, Seema and Sharma, DK (2011). **Innovations and local adaptations in adoption of system of rice intensification.** *Pusa AgriScience*, 34, 87-95.
40. Johnson, FA, Chandra, H, Brown, J and Padmadas, S (2012). **Small area estimation for policy development: A case study of child under nutrition in Ghana.** *J. Ind. Soc. Agril. Statist.*, 66(1), 171-186.
41. Karak, T, Abollino, O, Bhattacharyya, P, Das, KK and Paul, RK (2011). **Fractionation and speciation of arsenic in three tea gardens soil profiles and distribution of as in different parts of tea plant (*Camellia Sinensis L.*).** *Chemosphere*, 85, 948-960.

42. Kaul, Sushila and Ram, Ghasi (2010). **Impact of urbanisation on agricultural production in India.** *Agril. Situation India*, 27(6), 337-341.
43. Kaul, Sushila and Ram, Ghasi (2011). **Dairy empowering women and providing household food security-An evidence from a case study of Karnal district of Haryana.** *Agril. Situation India*, 68(5), 245-250.
44. Kumar, Anil, Panwar, Sanjeev and Choudhary, VK (2011). **Fitting linear/nonlinear models using longterm fertility experiments.** *Int. J. Agril. Statist. Sci.*, 7(2), 645-650.
45. Kumar, Anil, Panwar, Sanjeev, Kumar, Vipin Choudhary, Sanat Kumar, Kumar, Pankaj and Singh, Prem (2009). **Yield estimation in rice-rice cropping system under long term fertility experiments.** *J. Farm. Sys. Res. Dev.*, 15(1&2), 170-174.
46. Kumar, J, Jaiswal, V, Kumar, Amrender, Kumar, N, Mir, RR, Kumar, S, Dhariwal, R, Tyagi, S, Khandelwal, M, Prabhu, KV, Parsad, Rajender, Balyan, HS and Gupta, PK (2011). **Introgression of a major gene for high grain protein content in some Indian bread wheat cultivars.** *Field Crops Res.*, 123(3),187-280.
47. Kumar, Prem, Saxena, KK, Singh, N Okendro, Nayak, Ashok K, Tyagi, BC, Ali, S, Pandey, NN and Mahanta, PC (2011). **Application of multivariate statistical techniques for water quality characterization of Sarda Sagar Reservoir, India.** *Ind. J. Fish.*, 58(4), 21-26.
48. Kumar, Shiv Kant, Lal, IB and Lal, SB (2012). **Fixed-charge bi-criterion transportation problem,** *Int. J. Computer Appl.*, 2(1), 39-42.
49. Lal, Krishan, Parsad, Rajender and Gupta, VK (2012). **Robustness of block designs on the basis of pairwise treatment comparisons against missing data.** *Model Assist. Statist. Appl.*, 7, 75-80.
50. Lal, SB and Sharma, Anu (2012). **SSDA - A window based software for survey data analysis.** *Int. J. Phy. Soc. Sci.*, 2(4), 381-389.
51. Laxmi, Ratna Raj and Kumar, Amrender (2011). **Forecasting of powdery mildew in mustard (Brassica Juncea) crop using artificial neural networks approach.** *Ind. J. Agril. Sci.*, 81(9), 855-860.
52. Laxmi, RR, Kaushik, Bhagrith and Lal, Krishan (2007). **Rate of spread of human deficiency: case studies of Haryana, Manipur and Jammu & Kashmir.** *Ind. J. Appl. Statist.*, 11, 14-18.
53. Malik, N, Biswas, AK, Raju, CB and Mandal, BN (2011). **Bio-monitoring of heavy metal pollution in a fishery reservoir of Central India.** *Fresenius Environ. Bull.*, 20(12), 3381-3386.
54. Mandal, BN, Gupta, VK and Parsad, Rajender (2011). **Construction of efficient mixed-level k-circulant supersaturated designs.** *J. Statist. Theo. Prac.*, 5(4), 627-648.
55. Narayanan, G, Singh, Premlata, Vijayaragavan, K, Rao, DUM, Mathur, VC and Jaggi, Seema (2011). **Profile of self-help group microenterpreneurs under swarnajayanti gram swarozgaryojana in Tamil Nadu.** *Pusa AgriScience*, 34, 100-107.

56. Nikam, SS, Mishra, AK, Sarangi, A, Paresh, BS, Singh, DK and Ramasubramanian, V (2010). **Artificial neural network models to predict wheat crop evapotranspiration**. *J. Agril. Engg.*, 47(2), 20-25.
57. Panwar, Sanjeev, Kumar, Anil, Dagar, Sanjeet and Singh, Prem (2010). **Identification of indicators for sustainability of agriculture**. *J. Farm. Sys. Res. Dev.*, 16(1&2), 156-163.
58. Pateria, DK, Jaggi, Seema and Varghese, Cini (2011). **Universally optimal circular neighbour balanced block designs under mixed effects model**. *Utilitas Mathematica*, 85, 33-43.
59. Paul, AK, Alam, Wasi and Singh, Pal (2011). **Average linkage method clustering rice (*Oryza sativa*) producing states of India**. *Ind. J. Agril. Sci.*, 81(8), 756-759.
60. Paul, AK, Singh, Surendra, Kumar, Ashok, Singh, N Okendro, Raman, Rohan Kumar, Haunshi, Santosh and Verma, Med Ram (2011). **Nonlinear growth models for body growth of vanaraja poultry birds**. *IUP J. Gen. Evol.*, 4(4), 65-69.
61. Paul, RK and Bhar, LM (2011). **M-estimation in block designs**. *J. Ind. Soc. Agril. Statist.*, 65(3), 323-330.
62. Paul, RK and Das, MK (2010). **Statistical modeling of inland fish production in India**. *J. Inland Fish. Soc.* 42, 1-7.
63. Prajneshu and Ghosh, H (2011). **Application of generalized lambda distribution for unimodal data**. *Ind. J. Agril. Sci.*, 81, 533-538.
64. Ramasubramanian V, Agrawal, R and Bhar, LM (2010). **Crop forecasting using multiple markov chains**. *Assam Statist. Rev.*, 24(1), 37-56.
65. Rao, AR and Varghese, Cini (2007). **Estimation of variance of treatment contrasts under different model setups in repeated measurements designs**. *Ind. J. Appl. Statist.*, 11, 19-26.
66. Rao, P Srinivasa, Reddy, P Sanjana, Rathore, Abhishek, Reddy, Belum VS and Panwar, Sanjeev (2011). **Application of GGE biplot and AMMI model to evaluate sweet sorghum hybrids for genotype \times Environment interaction and seasonal adaptation**. *Ind. J. Agril. Sci.*, 81(5), 438-444.
67. Sahu, TK, Rao, AR, Singh, A, Behera, BK, and Mohapatra, T. (2011). **In silico identification of residues for anoxia tolerance across species**. *Online J. Bioinformatics*, 12(1), 175-197.
68. Samanta, S, Prajneshu and Ghosh, H (2011). **Modelling and forecasting cyclical fish landings: SETARMA nonlinear time-series approach**. *Ind. J. Fish.*, 58, 39-43.
69. Sarika and Iquebal, MA (2007). **Modelling and forecasting of pigeonpea (*Cajanus cajan*) in Orissa using ARIMA methodology**. *Ind. J. Appl. Statist.*, 11, 27-29.
70. Sarika, Iquebal, MA and Chattopadhyay, C (2011). **Modelling and forecasting of pigeonpea (*Cajanus cajan*) production using autoregressive integrated moving average methodology**. *Ind. J. Agril. Sci.*, 81(6), 520-523.

71. Sarkar, Rupam Kumar, Rao, AR, Wahi, SD and Bhat, KV (2011). [A comparative performance of clustering procedures for mixture of qualitative and quantitative data – An application to black gram.](#) *Plant Genetic Resources: Characterization and Utilization*, 9(4), 523-527.
72. Sarkar, SK and Lal, Krishan (2007). [Computer aided generation of linear trend-free response surface designs.](#) *Ind. J. Appl. Statist.*, 11, 34-38.
73. Saxena, Hem, Duraimurugan, Ponnusamy and Iquebal, MA (2012). [Seasonal parasitism and biological characteristics of Habrobracon hebetor \(Hymenoptera: Braconidae\) – A potential larval ectoparasitoid of Helicoverpa armigera \(Lepidoptera: Noctuidae\) in chickpea ecosystem.](#) *Biocontrol Sci. Tech.*, 22(3), 305-318.
74. Sewak, Shiv, Iquebal, MA, Singh, NP, Solanki, RK and Sarika (2012). [Genetic diversity studies in chickpea \(*Cicer arietinum*\) germplasm.](#) *J. Food Legumes*, 25, 31-36.
75. Sharma, Anu and Lal, SB (2012). [SSDA analysis -A class library for analysis of sample survey data.](#) *Int. J. Modern Engg. Res.*, 2(1), 242-246.
76. Sharma, VK and Jaggi, Seema (2011). [Variance balanced circular designs involving sequences of treatments with first and second residuals.](#) *Model Assist. Statist. Appl.*, 6(4), 317-324.
77. Singh, N Okendro (2011). [A method for fitting of Schaefer model with autoregressive of order one.](#) *Asian Fish. Sci.*, 24(3), 197-208.
78. Singh, N Okendro, Paul, Amrit Kumar, Singh, N Gopimohon, Singh, Pal and Alam, Wasi (2011). [Modeling seasonal growth of fish using modified Gompertz model with sine wave function.](#) *Ind. J. Anim. Sci.*, 81(6), 648-650.
79. Singh, N. Okendro, Sarma, Debajit and Singh, N Gopimohon (2011). [Length-weight relationship of *Tor putitora* \(Hamilton\) considering different stages of its lifespan.](#) *Ind. J. Fish.*, 58(1), 35-38.
80. Singh, Nripendra V, Singh, Sanjay K, Singh, Anand K, Meshram, Deodas T, Surosh, Sachin S and Mishra, DC (2012). [Arbuscular Mycorrhizal Fungi \(AMF\) induced hardening of micropropagated pomegranate \(*Punica granatum* L.\) plantlets.](#) *Scientia Horticulturae*, 136, 122-127.
81. Sivaramane, N and Mathur, VC (2011). [Structural changes in the export of coffee and tea from India.](#) *Pusa AgriScience*, 34, 108-112.
82. Sivaramane, N and Mathur, VC (2010). [Forecasting rice exports from india: An application of BoxJenkins methodology.](#) *Agril. Situation India*, 67(6), 321-325.
83. Sonawane, MN, Varghese, Cini and Jaggi, Seema (2011). [Repeated measurements designs for comparing two disjoint sets of formulations in bioequivalence trials.](#) *J. Appl. Statist. Sci.*, 19(1), 89-98.

84. Srinivasan, K, Ashokan, PK, Kunhamu, TK, Navas, IE and Varghese, Eldho (2010). **Influence of multipurpose trees (MPTS) on physico-chemical properties of soil in coconut based agro-forestry system.** *Ind. J. Agroforestry*, 12(2), 6-13.
85. Srivastava,SK, Sivaramane, N and Mathur, VC (2010). **Diagnosis of pulses performance of India.** *Agril. Eco. Res. Rev.*, 23(1), 137-148.
86. Tzavidis, N, Chambers, R, Salvati, N and Chandra, H (2012). **Small area estimation in practice: An application to agricultural business survey data.** *J. Ind. Soc. Agril. Statist.*, 66(1), 213-228.
87. Varghese, Eldho and Jaggi, Seema (2011). **Blocking response surface designs incorporating neighbour effects.** *Open J. Statist.*, 1(3), 199-204.
88. Varghese, Eldho, Jaggi, Seema and Varghese, Cini (2011). **Row-column designs balanced for nondirectional neighbour effects.** *Model Assist. Statist. Appl.*, 64, 307-316.
89. Wahi, SD and Rao, AR (2011). **Some investigations on sampling variance of genetic correlation.** *IUP J. Genet. Evolution*, 4(2), 27-44.
90. Yadav, Navneet Kumar, Sarika, Iquebal, MA and Mohd. Akram (2011). **In-silico analysis and homology modelling of coat-protein of Mungbean Yellow Mosaic India virus.** *J. Food Legume*, 24(2),138-141.

Research Project Reports Published

1. Agarwal, Hari Om, Sudeep, Sikarwar, Harnam Singh, Singh, Pal, Yadav, Virendra Kumar, Dass, Sain, Kaul, Jyoti, Kumar, P, Jat, ML, Singh, KP and Parihar, CM (2011). **Expert System for Maize Crop (Maize AgriDaksh)** CIL0907, IASRI/PR-03/2011, IASRI, New Delhi.
2. Ahuja, Sangeeta (2011). **Development of Web Enabled Statistical Package for Agricultural Research (SPAR3.0).** SIX0905, IASRI/PR-09/2011, IASRI, New Delhi.
3. Bhar, LM and Gupta, VK (2011). **A Study on Multiple Bio-assays.** SIX1007, IASRI/PR-08/2011, IASRI, New Delhi.
4. Bharadwaj, Anshu, Dahiya, Shashi and Jain, Rajni (2011). **Machine Learning Approach for Data Mining in Agricultural Datasets.** SIX0805, IASRI/PR-07/2011, IASRI, New Delhi.
5. Bhatia, VK, Sud, UC, Gupta, VK, Singh, Man, Sharma, DP and Singh, DP (2011). **Study to Determination of Optimum Sample Size for Yield Estimation at Gram Panchayat Level,** IASRI, New Delhi.
6. Dash, HK, Lal, SB, Sharma, Anu, Rai, Anil, Srinath, M and Mishra, Sabita (2011). **Development of Gender Information System for Agriculture.** CIP0803, IASRI/PR-06/2011, IASRI, New Delhi.

7. Islam, SN, Agrawal, Hari Om, Kakani, RK, Kant, Krishna, Aishwat, OP, Khan, MA and Tripathi, GK (2011). [Development of Expert System for Seed Spices](#). CIL0904, IASRI/PR-04/2011, IASRI, New Delhi.
8. Sharma, NK and Batra, PK (2011). [A Study on Fertilizer Response Ratios for Various Crops and Crop Sequences](#). SIX1003, IASRI/PR-10/2011, IASRI, New Delhi.
9. Varghese, Eldho and Jaggi, Seema (2011). [Response Surface Methodology Incorporating Neighbour Effects](#). SIX1008, IASRI/PR-05/2011, IASRI, New Delhi.

Technical Bulletin

1. Dalvi, MB, Agrawal, Ranjana, Salvi, BR, Misra, AK, Pandey, G and Chandra, Rakesh (2011). [Forewarning powdery mildew of mango\(Mangifera indica L.\) caused by Oidium mangiferae Berthet](#). Tech. Bull. AICRP(STF) 2011(4).
2. Sud, UC, Tyagi, KK, Jain, VK, Gupta, AK and Sahoo, Prachi Misra (2011). [Agricultural Research Data Book 2011](#), IASRI, New Delhi.
3. Sudeep, Malhotra, PK, Agarwal, HO and Singh, Pal (2012). [Management System: PG School, IARI \(Student Module\)](#). IASRI/TB/01/2012, IASRI, New Delhi.
4. Sudeep, Malhotra, PK, Agarwal, HO and Singh, Pal (2012). [Management System: PG School, IARI \(Faculty Module\)](#). IASRI/TB/02/2012, IASRI, New Delhi.
5. Sudeep, Malhotra, PK, Agarwal, HO and Singh, Pal (2012). [Management System: PG School, IARI \(Professor Module\)](#). IASRI/TB/03/2012, IASRI, New Delhi.
6. Sudeep, Malhotra, PK, Agarwal, HO and Singh, Pal (2012). [Management System: PG School, IARI \(Dean Module\)](#). IASRI/TB/04/2012, IASRI, New Delhi.
7. Sudeep, Malhotra, PK, Agarwal, HO and Singh, Pal (2012). [Management System: PG School, IARI \(Administrator Module\)](#). IASRI/TB/05/2012, IASRI, New Delhi.

Popular Articles

सांख्यिकी-विमर्श 2011-12, अंक-7 में प्रकाशित लेख

- कृष्ण कान्त त्यागी, अशोक कुमार गुप्ता एवं विजय बिन्दल। [संस्थान के कीर्तिस्तम्भ : डॉ सुदर्शन कुमार रहेजा](#), 1-2
- विजय कुमार भाटिया । [संयुक्त सूचकांक](#), 26-29
- कृष्ण कान्त त्यागी, उमेश चन्दर सूद, अशोक कुमार गुप्ता एवं विजय बिन्दल । [प्रतिदर्श सर्वेक्षणों में विभिन्न प्रारंभिक अवधारणाएँ](#), 30-39
- अशोक कुमार गुप्ता, उमेश चन्दर सूद, कृष्ण कान्त त्यागी, हुकुम चन्द्र, प्राची मिश्रा साहू एवं विनय कुमार जैन। [मशरूम की उत्पादकता का आकलन करने हेतु एक पद्धति-अध्ययन](#), 40-44

- संत दास वाही, आत्मकुरि रामाकृष्ण राव, विजय पाल सिंह एवं सारिका। आउटलायर्स के आनुवंशिक सहसंबंध के अनुमानों पर प्रभावों का अध्ययन, 45–49
- रमेश चन्द गोयल, सुदीप, अलका अरोड़ा, शशि दहिया, पाल सिंह एवं सोमेन पाल । भारत में कृषि शिक्षा नेटवर्क पर राष्ट्रीय सूचना तंत्र (निसेजनेट), 50–53
- हुकुम चन्द्र, उमेश चन्दर सूद, अशोक कुमार गुप्ता, एवं धर्मपाल सिंह । मेघालय में माँस के उत्पादन का अनुमान, 54–57
- आत्मकुरि रामाकृष्ण राव, संत दास वाही, उदय प्रताप सिंह एवं शिव कुमार चौधरी। मूँगफली पर अखिल भारतीय समन्वित अनुसंधान परियोजना के पाँचवें कृषि जलवायु मंडल का उप-मंडलीयकरण, 58–60
- हुकुम चन्द्र, उमेश चन्दर सूद, विजय बिन्दल, अशोक कुमार गुप्ता एवं मीना नन्दा । मिश्रण-मॉडल के अन्तर्गत लघु क्षेत्र आकलन, 61–64
- प्रज्ञेष्, सविता वधवा एवं हिमाद्री घोष । चक्रीय प्रवृत्ति को प्रकट करती समुद्री मछलियों को पकड़ने के लिए मॉडलिंग एवं पूर्वानुमान : एस.ई.टी.ए.आर.एम.ए. अरैखिक काल-श्रृंखला विधि, 65–70
- तौकीर अहमद, प्राची मिश्रा साहू, अनिल राय, अशोक कुमार गुप्ता, विनय कुमार जैन एवं आभा कान्त । कपास उत्पादन के सरकारी एवं व्यापारिक अनुमानों में भिन्नता, 71–75
- योगिता घरडे, हुकुम चन्द्र, प्राची मिश्रा साहू, विजय बिन्दल एवं चन्द्रपाल सिंह। स्थानिक आंकड़ों के लिए लघु क्षेत्र आकलन की पदानुक्रमित बेज पद्धति, 76–80
- धर्मराज सिंह, प्रवीण आर्य, अनिल कुमार, सुरेन्द्र सिंह एवं सिवरामन एन. । भारत के सिंधु-गंगीय मैदानों में भूजल विकास का क्षेत्रवार अध्ययन, 81–86
- अमृत कुमार पॉल, वसी आलम, पाल सिंह, नोरम ओकेन्द्रो सिंह एवं सुरेन्द्र सिंह । भारत के धान उत्पादक राज्यों के समूह (क्लस्टर) बनाने के लिए औसत संयोजन विधि, 87–90
- शशि भूषण लाल, अनु शर्मा, हुकुम चन्द्र एवं अनिल राय। सर्वेक्षण आंकड़ों के सांख्यिकीय विश्लेषण हेतु ऑनलाइन सॉफ्टवेयर – एस.एस.डी.ए. 2.0, 91–95
- अमृत कुमार पॉल, संत दास वाही, रोहन कुमार रमन एवं अनिल गर्ग । मक्का और धान जीनोटाईप में बहुभिन्नरूपी आंकड़ों पर आधारित रैखिक विभेदक फलन के प्रदर्शन की अनुभवजन्य तुलना, 96–102
- Nanda, Meena (2011). Thought - Hunger and India. Agriculture Today, the National Agriculture Magazine, April issue, 51-56.
- Singh, DR, Srivastava, Sivendra Kumar, Kumar, Anil and Sivaramane N (2011). Bharat ke nichalegangeeya maidanon main bhujal ke vikash main bhujal bajaron ka yogdhyan. Krishi Jal, 1, Directorate of Water Resources, Bhubaneswar.
- Singh, DR, Sivendra Kumar, Srivastava, Kumar, Suresh, Kumar, Anil and Sivaramane N (2011). Bharat main fawwara sinchai pradyogiki ka failav ewam krishi arthvyawastha par prabhav. Krishi Jal, 2, Directorate of Water Resources, Bhubaneswar.

- Bharadwaj, SP and Kumar, Ashok (2011). **Constraint to groundnut production in India.** Agril.Year Book 2011.

Book Chapters

1. रंजना अग्रवाल (2011)- **विज्ञान में तक झँक**। भारत सरकार, सूचना एवं प्रसारण मंत्रालय के प्रकाशन विभाग द्वारा प्रकाशित।
2. Bharadwaj, SP (2011). **Price volatility in agricultural commodities. Research in Financial Derivatives. Commodity, Equity, Currency, Interest rate.** Global Research Publications. New Delhi. 375-390.
3. Bharadwaj, SP and Vasisht, AK (2011). **Market efficiency in commodity futures-A case study of mentha oil. Research in Financial Derivatives. Commodity, Equity, Currency, Interest rate.** Global Research Publications, New Delhi. 282-295.
4. Chattopadhyay, C, Bhattacharya, BK, Kumar, Vinod, Kumar, Amrender and Meena, PD (2011). **Epidemiology and forecasting of diseases for valueadded agro-advisory. Plant Pathology in India: Vision 2030,** Indian Phytopathological Society, 132-140.
5. Jain, Rajni, Samimul, Alam AKM and Arora, Alka (2011). **Software process model for total factor productivity of agriculture. Proceedings of 5th Indian International Conference on Artificial Intelligence, Bangalore ISBN: 978-0-9-9727412-8-6, 1335-1352.**
6. Jain, Rajni, Satma MC, Arora, Alka, Sudeep and Goyal, RC (2012). **Software process model for online rule generation using decision tree classifier.** Eds. Hoda, MN ISBN:978-93-80544-03-8, 309-316. *Proceedings of 6th National Conference on Computing for Nation Development, New Delhi.*
7. Kumar, Amrender and Agrawal, Ranjana (2011). **A prediction model for alternaria blight in mustard crop based on artificial neural network. Proceedings of the 5th Indian International Conference on Artificial Intelligence (IICAI-2011), 1325-1334 (ISBN: 978-0-9727412-8-6).**
8. Sahoo, PM (2011). **Geostatistics and its application in estimation of crop production through remote sensing. Remote Sensing for Enhancing Input Use Efficiency in Agriculture.** (Eds. Singh, Ravinder and Sahoo, Rabi N. IARI Publication, 266-272.
9. Sharma, Naveen, Rai, Anil, Chaturvedi, KK and Farooqi, S (2011). **Bioinformatics: future application in microbiology. Emerging Trends: Applied Biotechnology.** (Eds. Sharma, Naveen and Rathore, Madhu). Lambert Academic Publishing House, Germany, 106-121.
10. Singh, DR, Kumar, Suresh and Sivaramane, N (2012). **Micro-Irrigation: Economics and outreach in Rajasthan. Micro-Irrigation-Economics and Outreach,** International Water Management Institute, Hyderabad and Agricultural Economics Research Review, New Delhi publication (Eds. Palanisami, K, Raman, S and Mohan, Kadiri). Macmillan Publishers India Ltd, 185-211.

11. Singh, Murari, Gupta, Sudhir and Parsad, Rajender (2012). [Genetic crosses experiments. Design and Analysis of Experiments: Special Designs and Applications](#), First Edition (Eds. Klaus Hinkelmann). John Wiley and Sons, Inc., 1-71.

Macros Developed

1. Rajender Parsad, A Dhandapani, Manoj Kumar and Pramod Kumar (2011). [Analysis of data from Split Split Plot Designs](#) and available at http://web.iasri.res.in/sscnars/Macros/sspd_sas.htm
2. Rajender Parsad, Manoj Kumar and Pramod Kumar (2011). [Analysis of data from Split Factorial \(main A, Sub B x C\) designs](#) and available at http://web.iasri.res.in/sscnars/Macros/sfd_sas.htm
3. Sivaramane, N (2011). [Econometric Analysis \(for diversity indices, instability index, estimation of compound growth rate, Garret scoring technique and Demand Analysis using LA-AIDS model\)](#) and available at http://web.iasri.res.in/sscnars/Macros/ea_sas.htm

Reference Manuals

1. [Agricultural Statistics](#). (2011, Eds. UC Sud, KK Tyagi and Tauqueer Ahmad).
2. [Application of Remote Sensing and GIS in Agriculture Surveys](#). (2011, Eds. Prachi Misra Sahoo. KN Singh and Tauqueer Ahmad).
3. [Bioinformatics in Agriculture](#). (2011, Eds. SB Lal)
4. [Data Analysis and Interpretation in Farm Implementation and Machinery Research using SAS](#) (2011, Eds. Rajender Parsad).
5. [Data Analysis and interpretation: Use of Statistical Softwares](#). (2011, Eds. Rajender Parsad, Krishan Lal and BN Mandal)
6. [Data Analysis in Social Sciences Research Using SAS](#). (2011, Eds. Rajender Parsad and Sivaramane N)
7. [Data Mining Techniques and Tools for Knowledge Discovery in Agricultural Database](#). (2011, Eds. Alka Arora, PK Malhotra, Sudeep, Anshu Bharadwaj and Shashi Dahiya). Available at http://www.iasri.res.in/ebook/win_school_aa/index.htm
8. [Data Mining Using SAS](#). (2011, Eds. Rajender Parsad, Samir Farooqi and Anshu Bharadwaj) Available at http://web.iasri.res.in/sscnars/case_studies/datamining/datamining_ex.htm.
9. [Forecast Modelling in Crops](#). (2011, Eds. Ranjana Agrawal and Amrender Kumar).
10. [Forecast Techniques in Agriculture](#). (2011, Eds. KN Singh and Amrender Kumar).
11. [Genetics/Genomics Data Analysis Using SAS](#). (2011, Eds. Rajender Parsad, AK Paul and Sunil Archak).

12. **Half-Yearly Progress Monitoring of Scientist in ICAR (HYPM)**. Reference Guide for Data Management, IASRI. (2012, Eds. RC Goyal, PK Malhotra, Sudeep, Alka Arora, PL Gupta, Rajni Grover, RK Saini and Subhash Chand)

13. **Online Content Creation and Management in an e-Learning Environment**. (2011, Eds. Shashi Dahiya, Anshu Bharadwaj, Alka Arora, Soumen Pal and Sudeep). Available at http://www.iasri.res.in/ebook/CAFT_sd/index.htm

14. **Recent Advances in Designing and Analysis of Agricultural Experiments**. (2011, Eds. Krishan Lal). 15. **Recent Advances in Statistical and Computational Genomics Data Analysis**. (2012, Eds. Rao, AR, Wahi, SD, Arora, Alka and Sahu, TK).

16. **Some Specific Examples on Data Analysis of Natural Resources Management Research** (2011, Eds. Rajender Parsad and LM Bhar). Available at http://web.iasri.res.in/sscnars/case_studies/NRM/nrm_ex.htm

17. **Statistical Techniques for Data Collection and Analysis**. (2011, Eds. Seema Jaggi and Tauqueer Ahmad)

Leaflet Brochure Published

1. Lal, SB and Rai, Anil (2011). **Computational Genome Analysis using ANVAYA**. IASRI Publication.

2. Lal, SB and Sharma, Anu (2011). **Bioinformatics in Agriculture**. IASRI Publication.

3. Rai, Anil, Lal, SB, Sharma, Anu, Farooqi, Samir, Chandra, Hukum, Rao, AR, Jaggi, Seema, (2011). **National Agricultural Bioinformatics Grid**. IASRI Publication.

4. Rao, AR (2012). **Bioprospecting of Genes and Allele Mining for Abiotic Stress Tolerance**. IASRI Publication.

5. Parsad, Rajender, Farooqi, Samir and Bharadwaj, Anshu. **Data Mining using SAS**. IASRI Publication.

Other Periodical Publications

- **Annual Report of the Institute**, 2010-11

- **IASRI News** (published quarterly)

- **सांख्यिकी-विमर्श** 2011-12, अंक-7

- **Vision 2030**