

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.
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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.
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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.
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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.
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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.

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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.
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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.
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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.
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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).
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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.
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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
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