



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.
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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.

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18. Chandra, H, Bathla, HVL and Sud, UC (2010). Small area estimation under a mixture model. *Statist. in Transition.*, **11(3)**, 503-516.
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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.
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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.
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- 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.
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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.
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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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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.
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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).
2. Kumar, Amrender, Mehta, SC, Srinivas, PS and Ranjana Agrawal (2011). Weather based forewarning models for onion thrips (*Thrips tabaci* Lindeman). IASRI/TB/01/2011, IASRI, New Delhi.

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8. 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
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