

Research papers and books published by dept. of Agril. Statistics

Sr. No.	Publication
1.	Shah, K.M. and R.M. Patel. (1968). Prediction of first lactation milk yield of an individual cow of Kankrej herd. <i>BACA Mag.</i> : 10-11.
2.	Khatri, T.J. and R.M. Patel. (1969). A simple statistical test for analyzing field experiments with two treatments. <i>NMCA Mag.</i> : 27-31.
3.	Patel, N.M. and R.M. Patel. (1969). Plot size studies in Bajri- <i>Pennisetum typhoides</i> . <i>BACA Mag.</i> 89-97.
4.	Patel, R.M., C. Clark Cockerham and J.O. Rawlings. (1969). Selection among diallel classified variables. <i>Biometrics.</i> 22 : 49-62.
5.	Patel, H.B. and R.M. Patel. (1970). Sampling in field experiments for chemical analysis (i) estimation of total nitrogen. <i>BACA Mag.</i> 18-22.
6.	Patel, B.B., R.M. Patel and G.N. Memon. (1971). Replacing fitting constants by unweighted means for analyzing non-orthogonal data on the Kanarej cow ovaries – A case study. <i>Gujvet.</i> 5 : 19-24.
7.	Patel, N.M. and R.M. Patel. (1971). Fertilizer demand in Gujarat State. <i>BACA Mag.</i> : 65-68.
8.	Patel, R.M. and P.M. Jhala. (1971). Efficacy of prediction on first lactation milk yield of an individual cow of Kankrej herd. <i>BACA Mag.</i> : 19-24.
9.	Patel, R.M., H.K. Patel and V.C. Patel. (1971). Estimation of white fly (<i>Dialeurodes citri</i> , R&H) population in citrus. <i>BACA Mag.</i> : 25-34.
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12.	Murugesan, M. and R.M. Patel. Impact of price and time elements on area of paddy – A regression analysis. (1972). <i>Madras Agric. J.</i> 59 (4) : 203-208.
13.	Murugesan, M. and R.M. Patel. (1973). Student wastage in an agricultural college. <i>J. of Res. & Ext.</i> 9 : 212 – 221.
14.	Murugesan, M. and R.M. Patel. (1973). A discriminate function in selecting students for agricultural colleges. <i>J. of the Guj. Res. Soc.</i> 35 : 31-40.
15.	Murugesan, M. and R.M. Patel. (1975). Predicting student achievement in agricultural college – A discriminate function approach. <i>Madras Agril. J.</i> 62 : 291-294.
16.	Patel, A.M. and R.M. Patel. (1975). Partial milk yield and age at first calving as the measures to predict lactation yield in Jersey cattle. <i>Indian Vet. J.</i> 52 : 782-784.
17.	Buch, M.J. and N.M. Patel. (1978). Gap effect and its adjustment in <i>bidi</i> tobacco experiments. <i>Tob. Res.</i> 4 : 23-30.
18.	Patel, G.J., S.H. Patel, N.M. Patel and D.J. Patel. (1979). Feasibility of successful cultivation of <i>bidi</i> tobacco after summer bajara. <i>Tob Res.</i> 5(1): 37-42.

19.	Buch, M.J. and N.M. Patel. (1980). Gap – a random source of valuation in bidi tobacco field experiments. <i>Gujarat Agricultural University Res. J.</i> 5 (2) : 35-39.
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21.	Dave, H.B. (1981). On priority queues <i>IMS Bull.</i> 10 (57): 157.
22.	Patel, A.D., B. G. Jaisani and N.M. Patel. (1981). Path analysis in flue cured <i>virginia</i> tobacco. <i>Tob.Res.</i> 7: 101-103.
23.	Khatri, T.J and R.M. Patel. (1982). Pre harvest forecasting of groundnut yield in saurashtra region of Gujarat state utilizing eye estimate and rainfall variables. <i>Gujarat Statistical Review</i> vol. IXNo. 2 : 49-58.
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32.	Sasikumar B., B.G. Jasani and N.M. Patel. (1983). Genetic effects governing yield and its attributes in bidi tobacco. <i>Ind. J. Genet.</i> 43 : 59-62.
33.	Vaishnav, P.R. and R.M. Patel. (1983). Evaluation of different statistical models for pre harvest forecasting of groundnut yield. <i>J. Ind. Soc. of Agril. Stat.</i> 35 : 101-103.
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Books

Sr. No.	Title	Authors Name	Publisher	Year of Publication
1	A Research compendium on statistical evaluation of experimental variability for improving efficiency of field experimentation	Dr. P. R. Vaishnav Dr. G. N. Motaka Dr. D. J. Parmar Dr. A. N. Khokhar Dr. A. D. Kalola Dr. X. U. Shukla & Shri. U. J. Upadhyay	Department of Agricultural statistics B. A. College of Agriculture Anand Agricultural University Anand - 388110	2016
2	Research Accomplishment 2018-2022	Dr. A. D. Kalola Dr. V. B. Darji Dr. A. N. Khokhar Dr. D. J. Parmar Dr. X. U. Shukla	Professor & Head Department of Agricultural Statistics B. A. College of Agriculture Anand Agricultural University Anand - 388110	2021-22
3	Statistical Tables	Dr. D. J. Parmar Dr. A. D. Kalola Dr. A. N. Khokhar Dr. V. B. Darji Dr. X. U. Shukla	Professor & Head Department of Agricultural Statistics B. A. College of Agriculture Anand Agricultural University Anand - 388110	2021-22
2	Trend analysis and ARIMA modeling for area, production and productivity for finger millet	R. L. Ghetiya, A. D. Kalola & X. U. Shukla	Iterative International Publishers (IIP)	2024