Post Graduate Students Passed Out From Department of Agricultural Statistics

Sr. No.	Title of Thesis	Name of Student	Major Advisor	Year	Degree
1	Studies of certain qualitative and quantitative characters in crosses of okra (*Hibiscus esculentus. L.*)	Mr. R. M. Patel	----------------------	1953	M.Sc.
2	Selection of among factorially classified variables	Mr. R. M. Patel	C. C. Cockerham	1962	M.Sc.
3	Prediction of lactation milk yield of an individual cow of kankrej herd	Mr. K. M. Shah	Dr. R. M. Patel	1966	M.Sc.
4	Sampling in field experiments for chemical analysis	Mr. H. B. Patel	Dr. R. M. Patel	1966	M.Sc.
5	Plot technique in bajri (*Pennisetum typhoides*S & H)	Mr. N. M. Patel	Dr. R. M. Patel	1967	M.Sc.
6	Effect of certain weather factors on the yield of vijalpa cotton (*G. herbaceum*) at surat farm	Mr. M. R. Vaishanav	Dr. R. M. Patel	1967	M.Sc.
7	Nonparametric tests A tool for statistical analysis of field experiments	Mr. T. J. Khatri	Dr. R. M. Patel	1967	M.Sc.
8	A statistical study of the behaviour of different varieties of wheat and paddy over locations and years	Mr. T. C. Motwani	Dr. R. M. Patel	1967	M.Sc.
9	Agricultural drought in relation to bidi tobacco at Anand	Mr. A. N. Mehta	Dr. R. M. Patel	1967	M.Sc.
10	Studies of inter-plot competition effects in bajri (*Pennisetum typhoides* S & H) and wheat (*Triticum vulgare,*Vill)	Mr. D. H. Patel	Dr. R. M. Patel	1968	M.Sc.
11	Empirical evaluation of statistical procedures to analyse Non-Orthogonal data	Mr. B. B. Patel	Dr. R. M. Patel	1968	M.Sc.
12	Empirical studies to estimate the damage caused by shoot and fruit borer (*Leucinodes orbonalis* G.) of brinjal	Mr. J. K. Patel	Dr. R. M. Patel	1968	M.Sc.
13	Normal values in lucerne (*Medicago sativa*), A forage crop	Mr. B. M. Dhami	Dr. R. M. Patel	1968	M.Sc.
14	Comparative study of three auxiliary varieties for estimation of area under hybrids in Maharashtra State	Mr. E. D. Borole	Dr. R. M. Patel	1971	M.Sc.
15	A study of the influence of the weather factors on the green yield	Mr. V. R. Karandikar	Dr. R. M. Patel	1971	M.Sc.

	of rabi jowar (*S. vulgare,* Pers.) at Sholapur (Maharashtra)				
16	A study on wastage and prediction of student achievement in an agricultural college- A discriminant function approach	Mr. M. Murugesan	Dr. R. M. Patel	1971	M.Sc.
17	Comparative study of wastage in agricultural colleges of Gujarat state	Mr. R. S. Patel	Dr. R. M. Patel	1972	M.Sc.
18	Genetic variability studies in cowpea (*Vigna sinensis,* L.) through diallel crosses	Mr. M. M. K. Durga Prasad	Dr. R. M. Patel	1972	M.Sc.
19	Study of border effects in cotton I.A.N.-579/188	Mr. H. C. Desai	Dr. R. M. Patel	1974	M.Sc.
20	Gap study in bidi tobacco (*Nicotiana tabacum* L.)	Mr. M. J. Buch	Shri N. M. Patel	1977	M.Sc.
21	A study on the variety × environment interaction in groundnut in Gujarat	Mr. M. R. Vaishnav	Dr. R. M. Patel	1977	Ph.D.
22	Statistical assessment of sowing periods for cotton and jowar crops in Viramgam area	Mr. G. R. Patel	Prof. J. K. Patel	1978	M.Sc.
23	Prediction of the wheat yield in Gujarat from temperature and total precipitation	Mr. K. Rama Varma Raja	Dr. R. M. Patel	1978	Ph.D.
24	Comparison of the fan design with the conventional designs for spacing experiments-An empirical study	Mr. N. M. Patel	Dr. R. M. Patel	1978	Ph.D.
25	Pre-harvest forecasting of groundnut yield in Gujarat utilizing eye estimate and rainfall variables	Mr. T. J. Khatri	Dr. R. M. Patel	1979	Ph.D.
26	Plot size study in bidi tobacco (*Nicotiana tabacum* L.)	Mr. B. H. Prajapati	Dr. N. M. Patel	1981	M.Sc.
27	Assessment of crop loss in hybrid 4 Cotton due to pest and diseases	Mr. M. Murugesan	Dr. R. M. Patel	1981	Ph.D.
28	Evaluation of different statistical models for pre-harvest forecasting of groundnut (*Arachis hypogea* L.)	Mr. P. R. Vaishnav	Dr. R. M. Patel	1982	M.Sc.
29	Irrigation border effect in bidi tobacco (*Nicotiana tabacum* L.)	Mr. J. K. Patel	Dr. N. M. Patel	1982	M.Sc.
30	Variability in bidi tobacco (*Nicotiana tabacum* L.) germplasm	Mr. K. R. Patel	Dr. N. M. Patel	1982	M.Sc.
31	Nutrient status of the soils of Gujarat and its crop response relationship	Mr. J. H. Pathak	Dr. R. M. Patel	1982	Ph.D.
32	Evaluation under four point system at Gujarat agricultural universities and its relationship with percentage score	Mr. H. N. Chhatrola	Dr. R. M. Patel	1983	M.Sc.
33	Estimation of groundnut yield (*Arachis hypogea* L.) from soil,	Mr. R. L. Kalawadia	Prof. M. J. Buch	1983	M.Sc.

	weather and biometrical parameters				
34	Statistical assessment of yield loss due to pest in sesamum	Mr. N. B. Bhalodia	Dr. R. M. Patel	1983	M.Sc.
35	Response study to nitrogen in rustica tobacco (*Nicotiana rustica* L.)	Mr. H. R. Pandya	Dr. N. M. Patel	1984	M.Sc.
36	A biometrical study of genetic divergence in macroni wheat under irrigated conditions	Mr. S. K. Dixit	Dr. R. M. Patel	1984	Ph.D.
37	Assessment of crop in okra (*Abelmoschus esculentus* L.) due to pest and diseases	Mr. J. K. Patel	Dr. R. M. Patel	1985	Ph.D.
38	Evaluation of different approaches to study the effect of rainfall on groundnut in dry farming area of Gujarat	Mr. J. S. Patel	Dr. M. R. Vaishnav	1986	M.Sc.
39	A study on the effect of periodic flowering on the yield of groundnut (*Arachis hypogea* L.)	Mr. S. L. Varmola	Dr. M. R. Vaishnav	1987	M.Sc.
40	Effect of methods of harvesting, grading and chemical treatments on the estimation of post harvest losses in rajapuri mango (*Mangifera indica* L.)	Mr. L. P. Purohit	Dr. M. R. Vaishnav	1987	M.Sc.
41	On the estimation of gene effects in lalchopadiu tobacco	Mr. R. R. Patel	Dr. N. M. Patel	1987	M.Sc.
42	Prediction of leaf index in cotton hybrid 4	Mr. V. B. Darji	Dr. N. M. Patel	1987	M.Sc.
43	Estimation of periodic phosphorus uptake by summer groundnut in relation to phosphorus levels	Mr. V. N. Shavani	Dr. M. R. Vaishnav	1988	M.Sc.
44	Prediction of area under castor crop in Gujarat state	Mr. M. K. Chaudhari	Dr. N. M. Patel	1989	M.Sc.
45	Estimation of crop loss due to leaf curl diseases in bidi tobacco	Mr. R. R. Patel	Dr. M. R. Vaishnav	1989	M.Sc.
46	Evaluation of variability in examinations of faculty of agriculture in Gujarat Agricultural University	Mr. P. N. Golakia	Dr. M. R. Vaishnav	1989	M.Sc.
47	Predication of brinjal (*Solanum melongena*, L.) yield from partial harvest	Mr. A. N. Khokhar	Dr. M. R. Vaishnav	1989	M.Sc.
48	Plot technique in lucerne	Mr. C. V. Ramani	Dr. N. M. Patel	1990	M.Sc.
49	Assessment of crop loss in brinjal (*Solanum melongena*L.) due to pest and root-knot disease	Mr. K. U. Chaudhari	Dr. J. K. Patel	1991	M.Sc.
50	Statistical evaluation of irrigation on different growth stages of pearlmillet [(*Pennisetum americanum)* (L.) K. Schum] in summer season	Mr. D. V. Patel	Dr. J. K. Patel	1993	M.Sc.
51	Plot technique in potato	Mr. H. M. Bhatt	Dr. M. R. Vaishnav	1993	M.Sc.

52	On comparison of some stability analysis models	Mr. B. H. Prajapati	Dr. N. M. Patel	1994	Ph.D.
53	Coefficient of variation in field experiments and yardsticks thereof –An empirical study	Mr. J. K. Patel	Dr. N. M. Patel	1994	Ph.D.
54	Comparison of some methods of estimation of heritability and genetic gain in gir cattle	Mr. R. L. Kalawadia	Dr. M. R. Vaishnav	1994	Ph.D.
55	Variability analysis in field experimentation – A case study on maize	Mr. V. P. Singh	Dr. N. M. Patel	1995	Ph.D.
56	On analysis of long term experiments with change in input	Mr. M. L. Lakhera	Dr. N. M. Patel	1996	Ph.D.
57	North Carolina designs in analysing genetic variation	Mr. R. M. Sundar	Dr. N. M. Patel	1997	Ph.D.
58	On comparison of plant breeding design for genetic analysis	Mr. J. S. Patel	Dr. N. M. Patel	1997	Ph.D.
59	A statistical investigation on consumption pattern of food and non-food commodities in rural and urban sectors of Amreli district (Gujarat)	Mr. S. K. Upadhyay	Dr. S. K. Dixit	1997	Ph.D.
60	Statistical Assessment of various approaches to analyse long term fertilizer experiments	Mr. B. K. Bhatt	Dr. P. R. Vaishnav	1998	M.Sc.
61	Evolution of different models for pre-harvest forecasting of wheat productivity in Gujarat based on weather variables	Mr. S. L. Varmora	Dr. S. K. Dixit	2000	Ph.D.
62	Pre-harvest forecasting of rice (*Oryza sativa* L.) yield based on weather parameters in Kheda district of Gujarat	Mr. G. B. Patel	Dr. P. R. Vaishnav	2005	M.Sc.
63	Statistical investigation on the relationship between rainfall and groundnut productivity in Gujarat	Mr. R. S. Parmar	Dr. P. R. Vaishnav	2005	M.Sc.
64	An empirical investigation to study the trends in crop response based on parametric and non-parametric regression approaches in long-term experiment	Mr. A. Rajarathinam	Dr. S. K. Dixit	2006	Ph.D.
65	Statistical investigation on area, production and productivity of *kharif* groundnut (*Arachis hypogaea* L.) in Gujarat	Mr. R. K. Shukla	Dr. J. S. Patel	2007	M.Sc.
66	An empirical investigation on statistical evaluation for analysing the intercropping experiments	Mr. B. K. Bhatt	Dr. S. K. Dixit	2007	Ph.D.
67	Nearest neighbour analysis in improving the efficiency of field experiments- An empirical investigation	Mr. V. B. Darji	Dr. S. K. Dixit	2007	Ph.D.
68	Clustering of villages based on soil parameters - A case study of	Mr. A. N. Khokhar	Dr. S. K. Dixit	2008	Ph.D.

	Panchmahal district				
69	Application of parametric and nonparametric regression models for area, production and productivity trends of major crops of Gujarat	Bhagyashree S. Dhekale	Dr. A. Rajarathinam	2009	M.Sc.
70	Comparison of different methods for stability analysis in rice (*Oryza sativa* L.)	Mr. D. J. Parmar	Dr. J. S. Patel	2010	Ph.D.
71	Statistical modelling on area, production and productivity of major crops of middle Gujarat – A case study	Mr. R. S. Parmar	Dr. P. R. Vaishnav	2010	Ph.D.
72	Plot technique in brinjal (*Solanum melongena* L.)	Mr. Mayur S. Shitap	Dr. V. B. Darji	2011	M.Sc.
73	Comparison of selection indices using different weights in forage sorghum [*Sorghum bicolour* (L.) Monench]	Satvinder Kour	Dr. J. S. Patel	2013	M.Sc.
74	An empirical investigation on area, production and productivity trends of wheat (*Triticum aestivum*) crop for different districts in middle Gujarat region by different statistical approaches	Mr. L. Netajit Singh	Dr. V. B. Darji	2014	M.Sc.
75	Comparative evaluation of different statistical models for explaining growth of major cereal crops of Gujarat.	Ramjilal Yadav	Dr. A. D. Kalola	2015	M.Sc.
76	Statistical evaluation of different methods for pre- harvest forecasting of Rice productivity based on weather variables in Kheda district of middle Gujarat.	Mr. Mayur Shitap	Dr. P. R. Vaishnav	2015	Ph.D.
77	Multivariate models for acreage response to major *kharif* crops of middle Gujarat	S. Ramapriya	Dr. P. R. Vaishnav	2016	M.Sc.
78	Comparison of different economic coefficients to select optimum selection index in rice (*Oryza sativa* L.)	Arvind P. Chaudhary	Dr. D. J. Parmar	2017	M.Sc.
79	Plot size study through mathematical approach	Sejal ben Muniya	Dr. V. B. Darji	2017	M.Sc.
80	Evaluation of different statistical models for pre-harvest forecasting of pearl millet (*Pennisetum glaucum* L.) productivity in Kheda district of middle Gujarat.	Satvinder Kour	Dr. P.R. Vaishnav	2017	M.Sc.
81	Comparison of non-parametric methods for stability analysis in black gram {*Vigna mungo* (L.) Hepper}	Amipara Gauravkumar J	Dr. D. J. Parmar	2018	M.Sc.
82	Statistical models for forecasting area, production and productivity of major fruit crops in Gujarat – An empirical study	Siddharajsinh R. Raj	Dr .A. N. Khokhar	2018	M.Sc.

83	Comparison of selection indices using different Weights in maize (*Zea mays* L.)	Himanshu V. Patel	Dr. A. D. Kalola	2019	M.Sc.
84	Fitting of the distribution for CV value of field experiments	Rajubhai H. Chaudhari	Dr. A. N. Khokhar	2019	M.Sc.
85	Comparison of uniformity trial data with experimental data for plot technique	Bhavika Damor	Dr. V. B. Darji	2019	M.Sc.
86	Price forecasting of brinjal and chilli (green)–a statistical evaluation	Vikash Pal	Dr. V. B. Darji	2019	M.Sc.
87	Comparison of economic coefficients to select the optimum selection index in tomato (*Solanum lycopersicum* L.)	N. Vishnurekha	Dr. P. R.Vaishnav	2020	M.Sc.
88	Comparison of selection indices using different weights in okra (*Abelmoschus esculentus* (L.) Moench)	Vaniya Jyotikaben N.	Dr. A. D. Kalola	2021	M.Sc.
89	Variance balanced design for diallel crosses in brinjal	Mr. Y. B. Charel	Dr. V.B. Darji	2021	M.Sc.
90	Hectareage prediction models for major kharif crops of middle Gujarat	Mr. R. R. Bhuva	Dr. A. D. Kalola	2021	M.Sc.
91	Comparison of deep learning artificial intelligence and statistical models for price forecasting of banana in Gujarat	Mr. Viniya Goswami	Dr. Prity Kumari	2021	M.Sc.
92	Application of multivariate techniques for selection of cotton genotypes using biometrical characters	Mr. J. G. Babariya	Dr. D. J. Parmar	2021	M.Sc.
93	Comparison of selection indices using different weights in rice (*Oryza sativa* L.)	Mr. V. A. Chauhan	Dr. A. N. Khokhar	2021	M.Sc.
94	Evaluation of statistical models for forecasting area, production and productivity of green gram, chickpea and pigeon pea in Gujarat	Mr. K. D. Dodiya	Dr. A. N. Khokhar	2021	M.Sc.
95	Comparison of Randomized Complete Block Design and Variance Balanced Design for Diallel Crosses	Mr. Popat Raj Chimanbhai	Dr. V. B. Darji	2021	Ph.D.
96	Selection indices in finer millet [*Eleusine coracana* (L.) Gaertn.] – An empirical investigation	Miss. R. L. Ghetiya	Dr. A. D. Kalola	2022	M.Sc.
97	Time series analysis of area, production and productivity of major oilseed crops of Gujarat	Mr. H. B. Sadariya	Dr. D. J. Parmar	2022	M.Sc.

98	Pre-harvest forecasting of maize (*Zea mays* L.) yield based on weather parameters in Panchmahal district of Gujarat	Mr. V. K. Chaudhari	Dr. A. N. Khokhar	2022	M.Sc.
99	Growth analysis of Major fruit and vegetable crops of Gujarat	Ms. Gundaniya Hiral V.	Dr. V. B. Darji	2022	Ph.D.
100	Multivariate techniques for genotype × environment interaction in rice	Mr. S. D. Joshi	Dr. D. J. Parmar	2023	M.Sc.
101	Statistical and machine learning techniques for price forecasting of cumin in Gujarat	Mr. Harshith N	Dr. Prity Kumari	2023	M.Sc.
102	Comparison of field experimental designs for F_2 population of diallel crosses	Ms. P. C. Bhimani	Dr. V. B. Darji	2023	Ph.D.
103	Statistical Modeling for area, production and productivity of millets in Gujarat	Mr. J. K. Parmar	Dr. A. D. Kalola	2024	M.Sc.
104	Efficiency of lattice design relative to RCBD in black gram [*Vigna mungo* (L.) Hepper]	Mr. D. L. Kothiya	Dr. D. J. Parmar	2024	M.Sc.
105	Improving precision of filed experimentation through design and analysis	Mr. P. R. Vekariya	Dr. V. B. Darji	2024	Ph.D.