

Department of Agricultural Statistics
College of Agriculture
Junagadh Agricultural University, Junagadh

Papers Published in Journals :

Sr. No.	Details of Publication	NAAS Rating
1	A.M.Butani, R.S.Chovatia, N.J.Rankja and B.M. Chotaliya(2015). Effect of Integrated Nutrient Management on Net Return and Cost Benefit Ratio of Banana.Progressive Research-An International Journal, online journal, volume-10(Special-V):2526-2528(2015).	3.84
2	Patil, R. A.; Ghetiya, L. V.; Jat, B. L. and Shitap, M. S. (2015). Life table evaluation of Spodoptera litura (fabricius) On bidi tobacco, Nicotiana tabacum. The Ecoscan, 9 (1&2): 25-30	4.65
3	P.B. Marviaya, N.J. Rankja and S.K. Chhodavadia (2015). Development of Statistical models for forecasting of chick pea productivityof Rajkot district in Gujarat state.Journal of Agro-Meteorology 19(1):130-132(June-2015)	6.15
4	Kalasare, R.S., Ramesh Babu, B. N. Arvind Kumar, Panpatte, D.G. and Shitap, M.S. (2016). Effect Herbicides on Weeds in Chilli + Onion + Cotton Intercropping System. Bioinfolet, 13(1A): 6 – 9.	3.75
5	Baviskar, V. S.; Patel, J. B.; Shitap, M. S.; Takle, S. R. and Patel, V. J. (2016). Physiological Growth Indices and Yield of Wheat (Triticum aestivum L.) as Influenced by Irrigation Schedules, Seed Rates and Sowing Methods in Paddy Land. International Journal of Bioresource and Stress Management, 7(6spl): s124-s130	4.65
6	N.J. Rankjaand S.M. Upadhyay (2018). Estimated trend in production of cotton for Ahmedabad district of Gujarat state by statistical models.GAU Research Journal 43(1):40-48(January-2018)	2.72
7	Marviya, P. B.; Upadhyay, S. M.; Shitap, M. S.; Patel, D. V. andPrajapati, A. P. (2017). Analysis of Consumption Pattern of Food and Non Food Items in South Saurashtra Agro-Climatic Zone. AGRES – An International e. Journal, 6(3): 576-582.	3.65
8	N.J.Rankja, B.N. Kalsariya and M.K.Jadeja.(2017). A Study on pre-harvest forecasting model of groundnut yield using weather parameters for Junagadh district of Gujarat.GUJ. J. Ext. Edu. Vol. 28: Issue 1 :25-27, December 2017.	3.86
9	B.N. Kalsariya, N.J.Rankja and G.R. Gohil(2017). Constraints Encountered and Suggestions Offered by Beneficiary Farmers of ATMA.GUJ. J. Ext. Edu. Vol. 28: Issue 1 : 208-210, December 2017.	3.86
10	N.J.Rankja, B.N. Kalsariya and A.M. Butani.(2017). An Analysis of Growth Trends in Cotton Productivity for Rajkot District of Gujarat.GUJ. J. Ext. Edu. Vol. 28: Issue 2 : 389-392, December 2017.	3.86
11	Jadhav, M. B., Kumbhar, N. M., Patel, M. V. and Shitap, M. S. (2017). Effect of Land Configuration and Mulches on Growth, Yield and Economics of Summer Groundnut. Trends in Biosciences, 10(27):5798-5800.	3.94
12	Dwivedi, D.K., Sharma, G.R. and Patel, D.V. (2017). Identification of rainfall probability distribution for Junagadh. International Journal of Agricultural Sciences and Research, 7(2):521-28.	4.13
13	Varu, J.D., Sarsavadiya, P.N., Patel, D.V. and Satasiya, R.M. (2017) Winter okra responses to mulch materials in net-cum- polyhouse and open field. Green Farming, 8(2):449-53.	4.38
14	Bariya, M. K., Kanani, P.R., Chhodvadia, H.C. and Patel, D.V. (2017) Functional and mutual relationship between profile characteristics of SHG and Non SHG members with their lelvel of empowerment: An empirical approach. International Journal of Agricultural Sciences, 8(27):1560-63.	4.82

15	Patidar, D., Shitap, M. S. and Patel, N. A. (2017). Heterosis studies for fruit yield and its component in long type brinjal (<i>Solanum melongena</i> L.). <i>Electronic Journal of Plant Breeding</i> , 8(4): 1169-1176	4.97
16	Baviskar, V. S.; Patel, J. B.; Takle, S. R.; Shitap, M. S.; Patel, V. J. and Sankar G. R. M. (2017). Efficient irrigation management for enhancing productivity and profitability of wheat under semi-arid inceptisols in Gujarat. <i>Indian Journal of Soil Conservation</i> , 45(2): 183-191.	5.20
17	Kavar, N. R., Polara, K.B., Parmar, K.B., Patel, D.V. and Ukani, P.K. (2017) Accumulation and partitioning of dry matter and nutrients in soybean. <i>International Journal of Chemical Studies</i> , 5(5):1705-1707.	5.31
18	Kore, P. N., Patel, M. J., Shitap, M. S., Vasara, R. P., Patel, D. A., Christian, H. J. and Lokesh Yadav (2017).Evaluation of different papaya genotypes for quality and biochemical changes under middle Gujarat conditions (2017). <i>International Journal of Chemical Studies</i> , 5(5): 1221-1223.	5.31
19	Marviya, P. B., Upadhyay, S. M., Shitap, M. S., Sabhaya, A. G and Ukani P. K. (2017). Estimation of Adult Equivalent Scale for Consumption Expenditure of food and Non-Food Items in Rural and Urban Sectors of South Saurashtra Agro-Climatic Zone (2017). <i>International Journal of Chemical Studies</i> , 5(6): 490-494.	5.31
20	Patil, A.S.; Dabhi, B.M. and Shitap, M.S. (2017). Effect of Wheat Residue Management and Fertilizer Levels on Growth and Yield of Fodder Maize (<i>Zea mays</i> L.). <i>International Journal of Current Microbiology and Applied Sciences</i> , 6(10): 25-29.	5.38
21	N.J.Rankja, B.N. Kalsariya and A.P. Prajapati(2018).Trend analysis in Cotton Area for Junagadh Distric of Gujarat. <i>GUJ. J. Ext. Edu. Vol. 29: Issue 1 : 58-61, December-2018</i>	3.86
22	B.N. Kalsariya, N.J.Rankja and G.R. Gohil(2018).Constraints faced and Suggestion Offered by Farmers in Accessing the Required Information Through SMS and Voice Messages. <i>GUJ. J. Ext. Edu. Vol. 29: Issue 1 : 99-101, December-2018</i>	3.86
23	Kour, S., Shitap, M. S., Pradhan, U. K., Paul, R. K., Arya, P. and Kumar, A. (2018). Forecasting of Rice Yield Based on Weather Parameters in Kheda District of Gujarat, India. <i>International Journal of Agricultural and Statistics Sciences</i> , 14(2): 611-615	5.13
24	Patil, A.S., Dabhi, A.B., Shitap, M.S. and Sharma, M.V. (2018). Yield, Quality, NPK Uptake and Monetary Returns of Fodder Maize (<i>Zea mays</i> L.) as Influenced by Wheat Residue Management and Fertilizer Levels. <i>International Journal of Current Microbiology and Applied Sciences</i> ,7(9): 3119-3125.	5.38
25	Tripura, P. Polara, K. B. and Shitap, M. S.. (2018) Influence of Long Term Fertilization on Yield and Active Pools of Soil Organic Carbon in an Typic Haplusteps under Groundnut-Wheat Cropping Sequence. <i>International Journal of Current Microbiology and Applied Sciences</i> , 7(9): 781-794.	5.38
26	Yadav, S. B., Vasani, M. J. Chaudhari, N. J. and Shitap, M. S. (2018). Forecasting Yield of Major Crops in Different District of Middle Gujarat and North Gujarat Using Statistical Techniques. <i>International Journal of Current Microbiology an[Applied Sciences</i> ,7(11):2202-2210.	5.38
27	B.N. Kalsariya, N.J.Rankja and S.J.Parmar (2019). Relationship between Genders wise Profile of Respondents with Their Participation in Farm and Livestock Activities. <i>GUJ. J. Ext. Edu. Vol. 30: Issue 2 : 110-113, December-2019</i>	3.86
28	N.J.Rankja, B.N. Kalsariya and A.P. Prajapati(2019).Statistical Modeling for Growth Rate of Area of Groundnut Crop in Gujarat. <i>GUJ. J. Ext. Edu. Vol. 30: Issue 2 : 162-165, December-2019.</i>	3.86
29	Dudhat,A.S.; Akabari,V,R.; Parmar,R.S.; Prajapati,A.P. and Hariyani,S.A. (2020). Genetic diversity for yield attributes in sesame genotypes. <i>Journal of Entomology and Zoology Studies</i> 2020; 8(3): 1788-1792.	5.53
30	Dudhat, A. S., Akbari, V. R., Parmar, R. S., Prajapati A. P. and Hariyani, S. A. (2020). Genetic diversity for yield attributes in sesame genotypes. <i>Journal of Entomology & Zoology studies</i> , 8(3): 1788-1792.	11.48 (6+IF)

31	Nidhi, Kalsariya, B. N. and Rankja N. J. (2020). Characteristics of SHG members in variation to entrepreneurial activities. <i>Guj. J. Ext. Edu.</i> volume.31 Issue.2 December-2020.	3.86
32	Vekariya, P. R., Dudhat, A. S., Shitap, M. S. and Patel, D. V. (2020). Growth and Instability Analysis of Groundnut Price of Major Markets in Saurashtra Region of Gujarat State. <i>Advances in Research</i> , 21(12): 16-22.	4.80
33	Marviya, P. B., Jadeja, R. M. and Shitap, M. S. (2020). A statistical investigation on relationship between weather parameters and chickpea yield in Jamnagar district of Gujarat state. <i>International Journal of Chemical Studies</i> , SP-8(5): 249-254	5.31
34	Sabhaya, A. G., Upadhyay S. M., Vekariya P. R. and Swaminathan B. (2021) Price dynamics of domestic and international wheat markets: A vector error correction mechanism (VECM) approach. <i>International journal of Agriculture Sciences</i> , 13(2): 10620-10622.	4.73
35	Bharodia, C.R.; Lakhani, C.D.; Patel, D.V. (2021): Growth analysis of major fruits exported from India. <i>International Journal of Agriculture Sciences</i> , 14(1), 11022-11024	4.73
36	Satyavathi, C.T.; Tomar, R.S.; Ambavat, S.; Kheni, J.; Padhiyar, S.M.; Desai, H.; Bhatt, S.B.; Shitap, M.S.; Meena, R.C.; Singhal, T.; Sankar, S.M.; Singh, S.P. and Khndelwal, V. (2022): Stage specific comparative transcriptome analysis to reveal gene networks regulating iron and zinc content in pearl millet. [<i>Pennisetum glaucum</i> (L.) R. Br.]. <i>Scientific Reports</i> , 12 (276) : 1-13	10.38
37	Joshi, A. M.; Dabhi, M. N.; Gojiya, D. K. and Shitap, M. S. (2022). Effect of ozonisation against the microorganisms of lime fruits. <i>The Pharma Innovation Journal</i> , Sp-11(8): 819-822.	5.23
38	Sojitra, M. A.; Satasiya, R. M.; Chauhan, P. M.; Rank, H. D., Parmar, H. V.; Patel, D. V. and Prajapati, G. V.(2022). Economics of Raising Seedling of Broccoli (<i>Brassica oleracea</i> L. Var. Italica) in protected structure. <i>Int. Journal of Economic Plants</i> , 9(4):290-293.	4.37
39	Rank, P. H.; Satasiya, R. M.; Patel, D. V. and Shitap, M. S. (2022). Cost economics of irrigation water management strategies for sweet corn (<i>Zea mays</i> L.) Crop. <i>Multilogic in Science</i> , 43(12):49-52.	4.52
40	Bharodia, C. R.; Lakhani, C. D. and Patel, D. V. (2022). Growth analysis of major fruits exported from India. <i>Int. Journal of Agricultural Sciences</i> , 14(1):11022-11024.	4.73
41	Patel, V. P.; Upadhyay, S. M.; Patel, D. V. and Shitap, M. S. (2022). Price integration of domestic and international sesame markets: a vector error correction mechanism (VECM) approach. <i>International Journal of Agriculture Sciences</i> , 14(7) : 11487-11489.	4.58
42	Patel, V. P.; Shitap, M. S. and Patel, D. V. (2022). Trends in area, production and productivity of groundnut crop based on linear and non-linear models for banaskantha district before and after bt cotton introduction. <i>Guj. J. Ext. Edu. Special Issue</i> : 138-143	4.96
43	Devra, S. J.; Patel, D. V.; Shitap, M. S. and Raj, S. R. (2023). Time series forecasting of price for oilseed crops by combining ARIMA and ANN. <i>International Journal of Statistics and Applied Mathematics</i> , 8(4) : 40-54.	5.12
44	Vekariya, P. R.; Dudhat, A. S.; Shitap, M. S. and Gundaniya, H. V. (2023). Co-integration of groundnut markets in Gujarat with special reference to the Saurashtra region. <i>International Journal of Statistics and Applied Mathematics</i> , SP-8(4) : 160-16	5.12
45	Divya Agarwal; Shitap, M. S. and Patel, D. V. (2023). Study on hectareage response of cotton crop in the Amreli District of Gujarat. <i>International Journal of Statistics and Applied Mathematics</i> , 8(5) : 153-156.	5.12
46	Divya Agarwal; Shitap, M. S.; Pokiya, N. J. and Patel, D. V. (2024). Hectareage response of castor crop in the Rajkot District of Saurashtra region of Gujarat. <i>International Journal of Statistics and Applied Mathematics</i> , SP-9(1) : 51-55.	5.12