

Papers Published in Journals

Sr. No.	Details of Publication	NAAS Rating
1	Pal, Vivek; Shiyani, R. L. and Ardesna, N. J. 2015. Dynamics of Agricultural Development in Gujarat: A District Level Analysis. <i>Indian J. of Economic Development</i> , 11 (1) : 351-358.	4.82
2	Pal, Vivek; Shiyani, R. L. and Ardesna, N. J. 2015. Agricultural Status Index: A District Level Analysis of Agricultural Development in Gujarat. <i>Contemporary Social Sci.</i> , 24 (4) : 11-24.	2.88
3	Gami, T. N. and Dhandhalya, M. G. 2015. Change in Total Factor Productivity of Groundnut (<i>Arachis Hypogaea</i> L.) in Gujarat: The Technological Gains. <i>Agricultural Economics Research Review</i> , 28 (Conf.) : 331.	5.90
4	Pepijn Schreinemachers; Swaminathan Balasubramaniam; N. Manikanda Boopathi; Cuong Viet Ha; Lawrence Kenyon; Suwanna Praneetvatakul; Aer Sirijinda; Nghia Tuan Le; Ramasamy Srinivasan and Mei-Huey Wu. 2015. Farmers' Perceptions and Management of Plant Viruses in Vegetables and Legumes in Tropical and Subtropical Asia. <i>Crop Protection</i> , 75 (1) : 115-123.	7.65
5	Dudhat, B. L. and Shiyani, R. L. 2015. Irrigation Cost, Investment & Well Life in Flat rate and Pro-rata system of Amreli and Bhavnagar District in Gujarat, India : A Comparative Study. <i>Trends in Biosciences</i> , 8 (24) : 6887-6893.	3.94
6	Dudhat, B. L. and Shiyani, R. L. 2015. Variation in Adopters Perceptions with Respect to Groundwater Scarcity and Power Tariff in Saurashtra Region, Gujarat. <i>Trends in Biosciences</i> , 8 (24) : 6903-6913.	3.94
7	Pal, Vivek; Shiyani, R. L. and Ardesna, N. J. 2015. Livelihood Status Index: A District Level Approach in Poverty Analysis. <i>Indian J. of Social Research</i> , 57 (1) : 21-34.	3.00
8	Arivelarasan, A.; Chinnadurai, M.; Alagumani, T. and Swaminathan, B. 2015. Developing Food Security Index for Vulnerable Sections of Rural Households in the Perambalur district of Tamil Nadu. <i>Trends in Biosciences</i> , 8 (1) : 48 -53.	3.94
9	Mouzam, S. M.; Hile, R. B.; Swaminathan, B. and Khan, M. 2015. Dynamics of Land Use and Cropping Pattern in Andhra Pradesh. <i>Trends in Biosciences</i> , 8 (6) : 1400-1405.	3.94
10	Swaminathan, B.; Sivabalan, K. C. and Anandaraja, N. 2015. Leveraging Group Dynamics and Upscaling Agricultural Marketing Efficiency in India. <i>Annals of Plant and Soil Research</i> , 17 (1) : 32-35.	4.39
11	Swaminathan, B.; Murali Gopal, S. and Sivabalan, K. C., 2015. Improving Technical Efficiency Levels of Farmers in the Crop Intensification Pathways: An Experimental Evidence. <i>Annals of Plant and Soil Research</i> , 17 (1) : 164 – 167.	4.39
12	Sivabalan, K. C.; Thiagarajan, B.; Selvam, S. and Swaminathan, B. 2015. Impact of Mobile Market Advisory Services (MMAS) on Farmers in the Trichy District of Tamil Nadu, India. <i>Annals of Plant and Soil Research</i> , 17 (1) : 168 – 171.	4.39
13	Swaminathan, B.; Murali Gopal, S.; and Sivabalan, K. C. 2015. Economic Sustainability of Farming Practices in the Crop Intensification Pathways: A Case of Karnataka. <i>Annals of Plant and Soil Research</i> , 17 (1) : 10 – 16.	4.39
14	Sivabalan, K. C.; Thiagarajan, B.; Selvam, S. and Swaminathan, B. 2015. Mobile Readiness of Farmers and Mobile Agro Market Advisory Services (MMAS) in Tamil Nadu. <i>Annals of Plant and Soil Research</i> , 17 (1) : 207 – 210.	4.39
15	Pangayar Selvi, R.; Muraligopal, S.; Vasanthi, R. and Swaminathan, B. 2015. Statistical Analysis of Trends in the Maize Area, Production and Productivity in India. <i>Annals of Plant and Soil Research</i> , 17 (1) : 233- 237.	4.39

16	Swaminathan, B.; Sivabalan, K. C.; Anandaraja, N.; Boopathi, M. N.; Schreinemachers, P.; Srinivasan, R. and Mei-Huey Wu 2016. Profitability of Begomovirus Management Strategies Among Chilli Farmers in Tamil Nadu : A Gross Margin Impact Analysis. <i>Indian J. of Agricultural Research</i> , 50 (2) : 159-166.	4.86
17	Anandaraja, N.; Swaminathan, B.; Sivabalan, K. C. 2015. Use of Information and Communication Technology (ICT) to Achieve Information Literacy in Agriculture. <i>International J. of Agricultural Extension</i> , 03 (02) : 111-122.	--
18	Makhare, P. K; and Tarpara, V. D. 2015. Integration of Cotton Prices of Major Markets in Saurashtra Region of Gujarat State. <i>International Research J. of Agricultural Economics and Statistics</i> , 6 (1) : 89 – 95.	4.24
19	Pal, Vivek; Shiyani, R. L. and Ardeshta, N. J. 2015. Livelihood Status Index: Poverty and Inequality Assessment in Gujarat. <i>International J. of Agri. Sci.</i> , 07 (14) : 863-870.	4.20
20	Makhare, P. K. and Tarpara, V. D. 2016. Production and Growth of Cotton in Gujarat state: A District Level Analysis. <i>J. of Cotton Research and Development</i> , 30 (2) : 290-293.	4.69
21	Dudhat, B. L. and Shiyani, R. L. 2016. Analyzing Irrigation System Efficiency on Groundwater Investment in Saurashtra (Gujarat). <i>Trends in Biosciences</i> , 9 (9): 539-547.	3.94
22	Dudhat, B. L. and Shiyani, R. L. 2016. Inevitability of Change in Cropping Pattern due to Over-exploitation of Groundwater in Saurashtra Region of Gujarat. <i>Trends in Biosciences</i> , 9 (4) : 250-260.	3.94
23	Vekariya, S. J.; Kumar, R.; Chaudhari, G. M.; Savsani, H. H and Swaminathan, B. 2016. Factors Influencing the Adoption of Scientific Animal Husbandry Practices: A Case of Saurashtra in Gujarat. <i>Advances in Life Sci.</i> , 5 (16) : 6018-6024.	3.15
24	Swaminathan, B and Muraligopal, S. 2016. Climate Change and Emerging Agriculture Complexities. <i>Advances in Plants & Agri. Research</i> , 6 (3) : 1-2.	--
25	Dave, V. C. and Tarpara, V. D. 2016. A study of Price Behaviour of Major Pulses in Gujarat state. <i>International J. of Agri. Sci.</i> , 8 (26) : 1549-1556.	4.20
26	Dhandhalya, M. G.; Chavda Haresh; Marviya, P. B.; Tarpara, V .D. and Kalpesh, Kumar, 2016. Benefits of Price Forecast to Castor Growers in Gujarat. <i>International J. of Agri. Sci.</i> , 8 (52) : 2414-2416.	4.20
27	Chavda Haresh; Marviya, P. B. and Tarpara, V. D. 2016. Marketing and Estimation of Post Harvest Losses of Potato in Banaskantha District of Gujarat. <i>International J. of Agri. Sci.</i> , 8 (52) : 2420-2422.	4.20
28	Varsani, J. V.; Shiyani, R. L.; B. Swaminathan and Ardeshta, N. J. 2016. Technical Efficiency Analysis of Groundnut Production in Saurashtra region of Gujarat. <i>International J. of Agri. Sci.</i> , 8 (54) : 2852-2858.	4.20
29	Gami, T. K.; Dhandhalya M. G.; and Haresh, Chavda 2016. Remarkable Achievement in Arhar Productivity in Gujarat: The Contribution of Research Investment as Reflected by TFP and RRI. <i>International J. of Development Research</i> , 6 (8) : 9069-73.	--
30	Jadav, J. V.; Dhandhalya, M. G. and Swaminathan, B. 2016. An Economic Analysis of Milk Production on Different Farm Sizes in Junagadh District of Gujarat. <i>International J. of Agri. Sci.</i> , 8 (25) : 1516-18.	4.20
31	Pal, Vivek; Shiyani, R. L. and Ardeshta, N. J. 2016. Spatio-Temporal Analysis of Agricultural Development in Gujarat. <i>International J. of Humanities and Social Sci.</i> , 5 (4) : 105-114.	3.17
32	Anbarassan, A.; Chandrasekaran, M.; Karthick, V. and Swaminathan, B. 2016. Resource – Use Efficiency and Technical Efficiency of Marigold Production by	4.20

	Contract Farming in Tamil Nadu. <i>International J. of Agri. Sci.</i> , 8 (13):1173-1175.	
33	Jadeja, R. M.; Vekariya, S. B.; Parmar S. J.; Rajput R. P. and Marviya P. B. 2016. An Economic impact of Participatory Irrigation Management on Farmers of North Saurashtra of Gujarat State. <i>International J. of Agri. Sci.</i> , 8 (56) : 3050-3053.	4.20
34	Swaminathan, B.; Sivabalan, K. C.; Anandaraja, N.; Boopathi, M. N.; Schreinemachers, P.; Srinivasan, R. and Mei-Huey Wu, 2016. Profitability of Begomovirus Management Strategies Among Chilli Farmers in Tamil Nadu : A Gross Margin Impact Analysis. <i>Indian J. of Agricultural Research</i> , 50 (2) : 159-166.	4.86
35	Venujayakanth, B.; Dudhat A. S.; Swaminathan, B. and Lakhani A. M. 2017. Assessing Crop Genetic Diversity using Principle Component Analysis : A Review. <i>Trends in Biosciences</i> , 10 (2) : 523-528.	3.94
36	Suvagiya, Daya; Shilpa V.C.; Shah Parth and Ardeshta, N. J. 2017. Growth Performance of Major Vegetable Crops in Gujarat State. <i>Agricultural Economics Research Review</i> , 30 (1) : 139-149,	5.90
37	Venujayakanth, B.; Dudhat, A. S.; Swaminathan, B. and Ardeshta, N. J. 2017. Price Integration Analysis of Major Groundnut Domestic Markets in India. <i>Economic Affairs</i> , 62 (2) : 233-241.	4.82
38	Swaminathan, B.; Ardeshta, N. J. and Shiyani, R. L. 2017. Crop Diversification Extent and Effects under Groundwater Exploitation Scenario: A Case of Saurashtra. Gujarat. <i>Indian Journal of Agricultural Economics</i> , 27 (Conf.) : 411-412.	5.15
39	Varsani, J. V.; Shiyani, R. L.; Dhandhalya, M. G. and Tarpara, V. D. 2017. Technical Efficiency of Groundnut Production in Saurashtra Region of Gujarat- A Translog Stochastic Frontier Approach. <i>Indian Journal of Economics and Development</i> , 13 (3) : 500-506.	4.82
40	Suvagiya, Daya; Shilpa V. C.; Shah Parth, and Ardeshta, N. J. 2017. Growth Performance of Major Flower Crops in Gujarat. <i>International Journal of Educational Science and Research</i> , 7 (2) : 19-26.	4.16
41	Suvagiya, Daya; Shilpa V. C.; Shah Parth and Ardeshta, N. J. 2017. Growth Performance of Major Spices Crops in Gujarat State. <i>International Journal of Educational Science and Research</i> , 7 (2) : 27-33.	4.16
42	Dhandhalya, M. G.; Gami, T. K. and Gadhavi, B. K. 2017. Revolution in Wheat Production and Total Factor Productivity in Gujarat: the contribution of Research Investment. <i>International Journal of Agriculture Innovation and Research</i> . 59 (6) : 954-959.	3.99
43	Ardeshta, N. J.; Dhandhalya, M. G; Swaminathan, B and Purohit, V. L. 2017. Contemporary dynamics in Growth and Instability in Area, Production and Productivity in cotton Producing states of India. <i>AGRES- An International e-Journal</i> , 6 (3) : 531-539.	3.65
44	Tarpara, V. D.; Dhandhalya, M. G.; Chavda Haresh and Marviya, P. B. 2017. Benefits of Price Forecast to Cumin Growers in Gujarat. <i>International Journal of Innovative Horticulture</i> , 6 (1) : 52-56	2.21
45	Swaminathan, B.; Shiyani, R. L. and Ardeshta, N. J. 2018. Doubling Farmers' Income in Gujarat Satate: Challenges and Way Forward. <i>Productivity</i> , 58 (4) : 420-430.	3.49
46	Dhandhalya, M. G.; Tarpara, V. D. and Chavda, Haresh, 2018. Research Contribution For Rice Productivity Growth in Gujarat : As Reflected by TFP And RRI. <i>Indian Journal of Economics and Development</i> , 14 (1a) : 427-433.	4.82
47	Amale, A. J.; Shiyani, R. L.; Ardeshta, N. J. and Swaminathan, B. 2018. Comparative Spatio-Temporal Analysis of Land Use Pattern in India and Gujarat. <i>Indian Journal of Economics and Development</i> , 14 (1a) : 160-167	4.82

48	Shah, Parth; Ardeshta, N. J.; Suvagiya, Daya and Swaminathan, B. 2018. Preferences for Technological Attributes of Pigeonpea Farmers in Saurashtra Region (Gujarat) : A Conjoint Analysis. <i>Indian Journal of Economics and Development</i> , 14 (1a) : 133-137.	4.82
49	Khorajiya, M.; Shiyani, R. L.; Ardeshta, N. J.; Swaminathan, B. and Meena, Muralidhar. 2018. Export Competitiveness and Performance of Indian Livestock Export-A Balance Panel Data Analysis. <i>International Journal of Livestock Research</i> , 8 (3) : 140-156	5.36
50	Mohammad, Daud; Shiyani, R. L. and Ardeshta, N. J. 2018. Growth Dimensions of Long Staple Cotton Area, Production and Yield in Gujarat, India. <i>International Journal of Current Microbiology and Applied Sciences</i> , 7 (5) : 2993 – 3005.	5.38
51	Mohammad, Daud; Shiyani, R. L. and Swaminathan, B. 2018. Identifying the Cycles in Area, Production, Productivity and FHP of Long Staple Cotton in Gujarat: A Fourier Analysis. <i>International Journal of Agriculture Innovations and Research</i> , 6 (6) : 359-363.	3.99
52	Swaminathan, B.; Shiyani, R. L. and Ardeshta, N. J. 2018. Prospects of Sustainable Agriculture Practices under Groundwater Exploitation Scenario : A Case of Saurashtra, Gujarat. <i>Productivity</i> , 59 (3) : 216-225	3.49
53	Khorajiya, Mahammadhusen; Shiyani, R. L.; Ardeshta, N. J.; Dhanndhalya, M. G. and Swaminathan, B. 2018. Compositional Shift Analysis of Gujarat Livestock Population, <i>Indian J. of Economics and Development</i> , 14 (2) : 348-353	4.82
54	Swaminathan, B.; Tarpara, V. D. and Gondaliya, V. L. 2019. Export Promotion Strategies for Accelerating Growth in Indian Agriculture: A Review. <i>AGRES – An International e-journal</i> , 8 (2) : 85-96.	3.65
55	Ramani, M.; Tarpara, V. D.; Swaminathan, B.; P. Mansi and Pokiya, N. J. 2019. Cost of Cultivation of Profitability of Kesar Mango Cultivation in Saurashtra Region of Gujarat, India. <i>International Journal of Science, Environment and Technology</i> , 8 (6) : 1153-1160.	3.98
56	Dhandhalya, M. G.; Tarpara, V. D.; Swaminathan, B. and Chavda Haresh 2019. Total Factor Productivity Growth of Cumin Crop in Gujarat: A Measurement and Determinants. <i>International Research Journal of Agricultural Economics and Statistics</i> , 10 (1) : 68-74.	4.24
57	Vekariya, S. B.; Gondaliya, V. L. and Chavda Haresh 2019. An Economic Analysis of Herbicide Used on Groundnut Crop in Saurashtra Region of Gujarat State. <i>Journal of Pharmacognosy and Phytochemistry</i> , 8 (3) : 4170-4175.	5.21
58	Namrata Devi; Shiyani, R. L. and Ardeshta, N. J. 2019. Direction and Destination Pattern of Indian Mango & Mango Pulp's Exports. <i>Economic Affairs</i> , 64 (4) : 1-14.	4.82
59	Swaminathan, B.; N. Anandaraja and Chaudhari, G. M. 2020. Produce What is Consumed or Consume What is Produced: Importance of Regional Self-Sufficiency (RSS) Model in Managing COVID-19 Pandemic. <i>International Journal of Current Microbiology and Applied Sciences</i> , 9 (08) : 1718-1724.	5.38
60	Dhandhalya, M. G., Tarpara, V. D., Chavda, H. and Purohit, V. L. (2020). The Key Factors to Augment Groundnut Farm Income in Gujarat : TFP Growth and Market Support. <i>Indian Journal of Agricultural Research</i> , 54 (04) : 445-451	4.86
61	Nagani, C. M., Vekariya, S. B. and Vekariya, D. J. (2020). Performance and Stability Analysis of Spices and Spice Products Export from India. <i>Economic Affairs</i> , 65 (4) : 551-557	5.08
62	Nagani, C. M. and Vekariya, S. B. (2021). Direction of Trade and Trade Pattern of Spices and Spice Products from India. <i>Multilogic in Science</i> , X (XXXVI) : 1536-1540	5.20
63	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>Asian Journal of Agricultural Extension, Economics & Sociology</i> , 39 (03) : 15-20.	4.35

64	Sojitra, H.P. and Ardeshta, N. J. (2021). Resource Use Efficiency and Economics of Garlic Cultivation in Saurashtra Region of Gujarat, India. <i>International Journal of Current Microbiology and Applied Sciences</i> , 10 (10) : 444-453.	5.38
65	Sojitra, H.P. and Ardeshta, N. J. (2021). Price spread in different marketing channels of garlic in Saurashtra region of Gujarat, India. <i>Journal of Pharmacognosy and Phytochemistry</i> 10 (4): 46-51.	5.21
66	Chavda, H. and Shiyani, R. L. (2021). Estimation of adult equivalent scale for consumption expenditure of food and non-food items with special reference to fruits and vegetables in rural and urban households of Junagadh district of Gujarat. <i>Asian Journal of Agricultural Extension, Economics & Sociology</i> , 40(03):52-60.	4.86
67	Yadav P., Agarwal, P. K. (2021). Co- Existence of Asiatic Lion in Human Vicinity: Sustaining the Roar of Kingdome Outside the Gir Forest. <i>Environment and Ecology</i> , 39(4A): 1178-1181	5.25
68	Jadeja, R. M. and Vekariya, S. B. (2022). Growth and Instability of Area, Production and Productivity of Soybean in Major States of India. <i>International Journal of Agriculture Sciences</i> , 14 (2) : 11105-11108.	4.73
69	Vasavada, K. M., Dhandhalya, M. G. and Jadeja, R. M. (2022). Grassroots constraints and profitability analysis of relay cropping (Groundnut + Pigeon pea) farmers : A case of Saurashtra region, Gujarat. <i>Multilogic in Science</i> , 12(45):270-275	4.51
70	Hemagandhi S., Tarpara, V. D. and Vasavada K. M. (2022). Structural Breaks, Growth and Instability Test in Onion Cultivation : A Case of Saurashtra Region of Gujarat. <i>Asian Journal of Agricultural Extension, Economics & Sociology</i> , 40(08); 57-65	4.86
71	Swaminathan, B., Tarpara, V. D. and Mistry, H. H. (2022). Spatial Integration and Price Behaviour Analysis of Major Potato Wholesale Markets in Gujarat. <i>Gujarat Journal of Extension Education</i> . 34(Conf.): 179-84	4.96
72	Bhopala U. D., Faldu, S. M. and Dhandhalya, M. G. (2023). Growth and instability analysis of sugar exports from India. <i>Asian Journal of Agricultural Extension, Economics & Sociology</i> , 41 (12) : 153-159	4.73
73	Bhopala U. D., Dhandhalya, M. G. and Parmar, H. B. (2023). Total factor productivity growth & changing cost structure of sugarcane in Gujarat, India. <i>Asian Journal of Agricultural Extension, Economics & Sociology</i> , 41 (12) : 253-260	4.73
74	S. Aiswarya and Swaminathan, B. (2023). Direction and determinants of wheat exports from India: an application of gravity model. <i>Humanities and Social Science Studies</i> , 12 (7): 115-123	--
75	Bhopala U. D., Dhandhalya, M. G. Kumar, M. and Suthar, B. (2023). Forecasting cotton prices in major domestic markets of India: an analytical approach. <i>International Journal of Statistics and Applied Mathematics</i> , 8 (6) : 172-176	4.49
76	Bhopala U. D., Dhandhalya, M. G. and Rathod, R. B. (2023). Spatio-temporal dynamics in cotton area, production and productivity: a worldwide scenario. <i>International Journal of Statistics and Applied Mathematics</i> , 8 (6) : 183-186	4.49
77	Parmar, H. B., Bhopala, U. D. and Dhandhalya, M. G. (2024). Analyzing the seasonal variations and price trends in major onion markets of India. <i>Asian Journal of Agricultural Extension, Economics & Sociology</i> , 42 (1): 24-33.	4.73
78	Faldu S. M., Bhopala, U. D. & Ardeshta, N. J. (2024). An analysis of growth and instability in area, production, yield and price behaviour of rice in India. <i>International Journal of Statistics and Applied Mathematics</i> , 9 (1) : 06-14	4.49
79	Pokiyia, N. J., Swaminathan, B. and Agarwal, D. (2024). Determinants of adaptation strategies to climate change impact on major field crops in Saurashtra region, Gujarat. <i>International Journal of Statistics and Applied Mathematics</i> , 9 (1) : 28-32	4.49

80	Sneha S. Ketali, Swaminathan, B. and S. Aiswarya (2024). Towards <i>atmanirbharta</i> (self-reliance) in the production of pulse crops in India: A situational analysis of future demand and supply. <i>International Journal of Humanities Social Science and Management</i> , 4 (1): 241-254	--
81	Sneha S. Ketali, Swaminathan, B. and S. Aiswarya (2024). Growth and instability trade-offs of chickpea cultivation in India. <i>International Journal of Scientific Research in Engineering and Management</i> , 8 (1): 168-175	--
82	Vekariya, D. J., Ardesna, N. J. and Pokiya N. J. (2024). A worldwide growth dynamics in area, production and productivity of maize. <i>International Journal of Statistics and Applied Mathematics</i> , 09 (5) : 12-14	4.49
83	Vekariya, D. J., and Ardesna, N. J. (2024). Forecasting maize prices in major markets: An econometric approach. <i>International Journal of Statistics and Applied Mathematics</i> , 09 (5) : 15-22	4.49
84	Vaghasiya, D. R., Shah, K. D., Pansara, T. D., Nandaniya, M. G. and Bhumika Solanki (2025). Susceptibility of different green gram varieties/genotypes against pulse beetle, <i>callosobruchus maculatus</i> (F.) in storage condition. <i>Plant archives</i> , 25(Special issue):623-626	5.59
85	Pansara, T. D., Ardesna, N. J. and Vaghasiya, D. R. (2025). International trade of guava: An explorative study. <i>International Journal of Statistics and Applied Mathematics</i> , 10 (1) : 203-207	4.49
86	Bhimani, S. D., Vekariya, S. B., Vaza, A. B. and Sinha, A. K. (2025). Growth and decomposition analysis of coriander crop in Gujarat, India. <i>Plant archives</i> , 25(Special issue):371-374	5.59
87	K. D. Gadhe and Pansara, T. D. (2025). Evaluating forecasting models for cumin price volatility: A comparative study in wholesale markets of Gujarat. <i>International Journal of Statistics and Applied Mathematics</i> , 10 (7) : 18-26	4.49
88	Makwana, R. A. and Ardesna, N. J. (2026). Economic status of agro-based industries in India and Gujarat. <i>International Journal of Agriculture and Food Science</i> , 8 (7) : 181-188	4.97