

DEPARTMENT OF AGRICULTURAL EXTENSION AND COMMUNICATION
B. A. COLLEGE OF AGRICULTURE
ANAND AGRICULTURAL UNIVERSITY
ANAND – 388 110 (GUJARAT, INDIA)

Number of Research Papers, Books, Popular articles published by faculties of the department (Since 2004)

Research paper published in international journal	31
Research paper published in national journal	142
Popular articles published	25
Books/ book chapters	19
Abstract	123
Total	340

Referred publications by the department faculties (since 2016).

1. Mallappa, V.K.H., Panigrahy, S.R., Nayak, A.K.; Pundir, R. S.; Kumari, P. (2023) Factors Influencing the Knowledge Level of Fish Consumers: An Explanatory Analysis. Sustainability 2023, 15, x. <https://doi.org/10.3390/xxxxx>.
2. Ravikumar Chaudhari, J. B. Patel and J. K. Patel (2023). Factor associated with attitude of farmers towards Anand Agricultural University. Gujarat Journal Extension Education, 35(1):22-25.
3. Jagadeeswari Boppana, J. B. Patel and Hemlata Saini (2023). Determinants of attitude and constraints hindering participation of farmers in Krishi Mahotsav. Gujarat Journal Extension Education, 35(1):99-103.
4. Yeragorla Venkata Harikrishna, J. B. Patel and Vinaya Kumar, H. M. (2023). A study on assessing the attitude of atma and kvk personnel towards e-extension. Gujarat Journal Extension Education, 35(2):14-17.
5. J. B. Patel and Vinaya Kumar H. M. (2023). Determinants to discontinue garlic cultivation. Gujarat Journal Extension Education, 35(2): 44-50.
6. Pankaj Singh, M. R. Patel and J. B. Patel (2023). Development of scale to measure attitude of farmers towards family farming. Gujarat Journal Extension Education, 35(2):127-129
7. Ravikumar Chaudhari and J. B. Patel (2023). Development and Validation of farmer's attitude scale towards Anand Agricultural University. Indian Journal of Extension Education, 59(3):138-140.
8. M. R. Patel, Vinaya Kumar, H. M. and J. B. Patel (2023). A scale to measure attitude of youth towards Agri startup programs. Gujarat Journal Extension Education, 36(2):127-129.

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9. Pratik K. Patel, H M Vinaya Kumar and J. B. Patel (2023). Determinants factors for social media utilization behaviour of farmers for sustainable Agriculture development. *Journal Communication*, 16(1): 16-21
10. Y.V. Harikrishana, J. B. Patel and H. M. Vinaya Kumar (2023). E- extension Tools Usages by Extension Personnel in Central Gujarat. *Journal Communication*, 16 (1): 16-21
11. M. R. Patel, Vinaya Kumar, H. M. and J. B. Patel (2023). A scale to measure attitude of youth towards agristartup programs. *Gujarat Journal Extension Education*, 36(2): 1-4.
12. Saurabh Pandey, K. Ponnusamy and Hemlata Saini (2023). A test to measure knowledge of dairy framers About improved dairy farming practices. *Gujarat Journal Extension Education*, 36(2): 120-125.
13. Samreen Saba and Hemlata Saini (2023) A tool to measure attitude of agriculture students towards Student-ready programme in employability generation. *Gujarat Journal Extension Education*, 36(1): 113-118.
14. Mallappa, V.K.H., Panigrahy, S.R., Nayak, A.K.; Pundir, R. S.; Kumari, P. (2023) Factors Influencing the Knowledge Level of Fish Consumers: An Explanatory Analysis. *Sustainability* 2023, 15, x. <https://doi.org/10.3390/xxxxx>.
15. Archit Kumar Nayak, Shakti Ranjan Panigrahy, Pundir, R.S. and Vinaya Kumar, H. M. (2023). An economic evaluation of freshwater fish production and marketing in Gujarat. *Indian Journal of Economics and Development*. 19(1): 381. <https://doi.org/10.35716/IJED/xxxxx> (In Press).
16. Archit Nayak, Shaktiranjan, P., Pundir, R. S. and Vinaya Kumar, H. M. (2022). Status of Fisheries Sector in Gujarat: An Overview. *Indian Journal of Economics and Development*. 18 (2): 381-387. <https://doi.org/10.35716/IJED/22043>
17. Hemlata Saini, Chauhan, N. B. and Patel, J. B. (2022). A study on attitude assessment of women towards kitchen gardening. *Gujarat Journal Extension Education*, 33(1): 121-123.
18. Patel, J. B., H. M. Vinaya Kumar, and Hemlata Saini (2022). A tool to measure the self-working confidence to be successful poultry farmers. *Gujarat Journal Extension Education*, 34(1): 152-154.
19. Ninama, K. S., Hemlata Saini and Gamit, R. A. (2022). Willingness to adopt dairy farming among young women. *Gujarat Journal Extension Education*, 34(1): 143-147.

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20. Hemlata Saini, Patel, J. B. and Chauhan, N. B. (2022). Willingness to adopt farming among agriculture diploma students. *Gujarat Journal Extension Education*, 34(2): 101-105.
21. Bappana Jagdeshwari and Hemlata Saini (2022). Problems perceived by dairy farmers in adoption of animal husbandry practices. *Journal of Krishi Vigyan Kendra*. 11(SI). 86-88.
22. Patel, J. B. and H. M. Vinaya Kumar (2022). A scale to measure the self-confidence of rural youth to work in farming. *Gujarat Journal Extension Education*, 34(2): 8-10.
23. Meenu Maheswaran, Patel, Mahesh R. and Patel, Snehal (2022). Relationship between the profile and knowledge of banana growers about integrated pest management. *Gujarat Journal of Extension Education*, 33(2): 38-42.
24. Patel, M. R., Vinaya Kumar, H. M. and Chauhan, N. B. (2022). A Scale to measure Self-Confidence of Rural Youth about Vegetables Farming. *Gujarat Journal of Extension Education*, 34(1): 50-52
25. Patel, M. R., Vinaya Kumar, H. M. and Chauhan, N. B. (2022). A Scale to measure Self-Confidence of Rural Youth about Orchard Farming. *Gujarat Journal of Extension Education*, 34(2): 28-30
26. Patel, M. R., Vinaya Kumar, H. M. and Chauhan, N. B. (2022). A Scale to measure Self-Confidence of Rural Youth about Floriculture Farming. *Gujarat Journal of Extension Education*, 34(2) 128-130.
27. Rohan A. Gamit and Vinaya Kumar, H. M. (2022). Farmers' attitude towards zero budget natural farming. *Gujarat Journal of Extension Education*, 34(2): 41-46.
28. Mahammad Shafi R. Sk., N. B. Chauhan and Vinaya Kumar, H. M. (2022). Qualities responsible to shape the family dairy farming skillfulness amongst the sons of practising dairy farmers. *Gujarat Journal of Extension Education*, 34(1): 30-33.
29. Sweta D. Gajera¹ and Patel, J. B. (2022) Sensitization amongst farmers towards hazardous effects of agrochemicals. *Gujarat Journal Extension Education*, 33(1): 157-160.
30. Anusha, V. V. S. S. and Vinaya Kumar, H. M. (2022). Can Harit Dhara -An Anti-Methanogenic Feed Supplement Aid in Climate Change? *Agriculture & Food: E-Newsletter*, 4 (11). 12-14.

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31. Pratik Kiritkumar Patel and Vinaya Kumar, H. M. (2022). Predictive Factors for Farmers' Knowledge of Social Media for Sustainable Agricultural Development. *Indian Journal of Extension Education*, 58 (4): 55-59. <http://doi.org/10.48165/IJEE.2022.58412>
32. Asari, Rupal, Patel, M. R. and Maheswaran, M. (2021) Development of scale to measure the attitude of farmers towards i-khedut portal! *Gujarat Journal Extension Education*. 32 (1): 63-66.
33. Asari, Rupal, Patel, M. R. and Maheswaran, M. (2021) Attitude of farmers towards i-khedut portal! *Gujarat Journal Extension Education*. 32 (1): 100-102.
34. Chaudhari, R, Patel, J. B. and Patel, P. C. (2021) Utilization of smartphone applications by farmers in agriculture! *Gujarat Journal Extension Education*. 32 (1): 38-42.
35. Chauhan, C. D. and Patel, J. B. (2021). Relationship between profile and knowledge level of member farmers of gram panchayat about pradhan mantri fasal bima yojana! *Gujarat Journal Extension Education*. 32 (1): 20-24.
36. Chauhan, C. D. and Patel, J. B. (2021). Development of knowledge test to measure the level of knowledge of member farmers of gram panchayat about pradhan mantri fasal bima yojana! *Gujarat Journal Extension Education*. 32 (2): 24-29.
37. Damor, C. B., Rathod, D. M. and Chauhan, C. D. (2021). Knowledge and adoption of recommended scientific practices of castor growers about castor cultivation! *Gujarat Journal Extension Education*. 32 (1): 16-19.
38. Joshi M. and Patel, J. B. (2021). A scale to measure the attitude of farmers towards PM-kisan scheme! *Gujarat Journal Extension Education*. 32 (2): 1-3.
39. Mahammad Shafi R. S, Chauhan N. B. and Vinaya Kumar H. M. (2021). Responsible factors to encourage dairy farmers' sons to avail training on animal husbandry! *Gujarat Journal Extension Education*. 32 (1): 202-205.
40. Mahammad Shafi R. S, Chauhan N. B. and Vinaya Kumar H. M. (2021). Predictable characteristics of young dairy farmers in shaping their animal husbandry workability! *Gujarat Journal Extension Education*. 32 (2): 209-211.
41. Patel, Pratik K. and Vinaya Kumar H. M. (2021) Farmers socio-economic status and constraints using social media for sustainable agriculture development! *Gujarat Journal Extension Education*. 32 (2): 34-39.

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42. Parmar, K. J., Saini H. and Saba, S. (2021). Viewing behaviour of farmers towards DD kisan channel! *Gujarat Journal Extension Education*. 32 (1): 67-71.
43. Parmar, K. J., Saini H. and Saba, S. (2021). Attitude of farmers towards dd kisan channel! *Gujarat Journal Extension Education*. 32 (2): 30-33.
44. Saba, Samreen, Saini, H and Parmar, K. J. (2021). Attitude of agricultural students towards student-ready programme in generating employability! *Gujarat Journal Extension Education*. 32 (2): 66-70.
45. Vegad, N. M. and Chauhan, N. B. and Vinaya Kumar H. M. (2021). Factors responsible to form attitude of the postgraduate scholars of agricultural extension and communion towards extension! *Gujarat Journal Extension Education*. 32 (1): 72-75.
46. Yeragorla, V. H., Patel, J. B. and Vinaya Kumar, H. M. (2021). Development of a scale to measure the attitude of extension personnel towards e-extension! *Gujarat Journal Extension Education*. 32 (1): 34-37.
47. Vegad, N. M. and Chauhan, N. B. and Vinaya Kumar H. M. (2021). Factors affecting knowledge about e-extension amongst the postgraduate scholars of agricultural extension and communication! *Gujarat Journal Extension Education*. 32 (2): 81-84.
48. Ban, SH, Patel, JB and Popat, RC. 2020. Planting material and soil health related risk management practices adopted by the ginger growers. *Gujarat Journal Extension Education*. 31(2): 63-67.
49. Ban, SH, Patel, JB and Gaikwad, AB. 2020. Management practices adopted by ginger growers to cope with general adverse situation and marketing risks. *Gujarat Journal Extension Education*. 31(1): 122-125.
50. Boppana, J, Patel, JB and Shafi, M. 2020. Relationship between profile of the farmers and their attitude towards Krishi Mahotsav. *Gujarat Journal Extension Education*. 31(2): 147-151.
51. Boppana, J and Patel, JB. 2020. Attitude of farmers towards Krishi Mahotsav. *Gujarat Journal Extension Education*. 31(1):126-129.
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53. Chauhan, CD and Patel, JB. 2020. A scale to measure the attitude of member farmers of gram panchayat towards Pradhan Mantri Fasal Bima Yojana. *Gujarat Journal Extension Education*. 31(1):1-5.
54. Chaudhari, R., Patel, JB and Paradva, VB. 2020. Farmers attitude toward use of Smartphone for agricultural profession. *Gujarat Journal Extension Education*. 31(1):114-117
55. Christian, BM, Chauhan, NB and Chandrawadiya, K. 2020. Impact of characteristics of woman research scholars on their knowledge of computer. *Gujarat Journal Extension Education*. 31(1):152-155.
56. Dhananjaya, JP, Patel, DD and Patel, JB. 2020. Constraints faced by farmers in availing technical guidance from KVK scientists. *Gujarat Journal Extension Education*. 31(1):175-177.
57. Dhananjaya, JP, Patel, DD and Patel, JB. 2020. Relationship between profile of the farmers and their perception towards technical capability of KVK scientists. *Gujarat Journal Extension Education*. 31(2): 192-195.
58. Khatri, KD and Chauhan, NB. 2020. Attitude of farmers' sons towards permanently working in rural area. *Gujarat Journal Extension Education*. 31(2): 45-46.
59. Khatri, KD and Chauhan, NB. 2020. Knowledge of the farmers' sons about agriculture and related aspects. *Gujarat Journal Extension Education*. 31(1): 41-43.
60. Krushnpalsinh, IP and Vinaya Kumar, HM. 2020. Farmers perception about Krishi Jivan Farm Magazin. *Gujarat Journal Extension Education*. 31(2): 155-159
61. Krushnpalsinh, IP and Vinaya Kumar, HM, 2020. Farmers' perception and their suggestions for improving the effectiveness of Krishi Jivan Farm Magazin. *Gujarat Journal Extension Education*. 31(1): 141-147.
62. Munetsi, EM, and Chauhan, NB. 2020. Readiness of postgraduate agricultural scholars to accept rural jobs. *Gujarat Journal Extension Education*. 31(1):26-28.
63. Patel, JM, Patel, JB and Patel, PC. 2020. Development of scale to measure attitude of agricultural students towards agricultural journalism. *Gujarat Journal Extension Education*. 31(2):1-4.
64. Patel, JM, Patel, JB and Patel, PC. 2020. Relationship between profile of the students and their attitude towards agricultural journalism. *Gujarat Journal Extension Education*. 31(1):99-100.

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66. Thakur, NB, and Patel, JB. 2020. Decision making ability of farmwomen in agricultural development. *Gujarat Journal Extension Education*. 31(2): 123-126.
67. Thakur, NB, & Patel, JB. 2020. Relationship between decision making ability of farmwomen in family welfare and agricultural development with their profile. *Gujarat Journal Extension Education*. 31(1): 101-105.
68. Vegad, NM, Parmar, RS and Chauhan, NB, 2020. E-extension employability of scholars pursuing postgraduation in agricultural extension in SAUs: using data mining technique. *Gujarat Journal Extension Education*. 31(1):11-17.
69. Naveenkumar, G and Chauhan, NB. 2020. Device to Measure Extension Education Orientation of Postgraduate Scholars. *Indian Research Journal of Extension Education*. 20(1): 31-34.
70. Elvis, M. and Chauhan, NB. 2019. Willingness of agricultural postgraduate scholars to accept rural occupation. *Gujarat Journal Extension Education*. 30(2): 34-37.
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72. Gulkari, KD and Chauhan, NB. 2019. Attitude of the farmers towards drip irrigated banana cultivation. *Gujarat Journal Extension Education*. 30(2): 69-72.
73. Gulkari, KD and Chauhan, NB. 2019. Suggestions of the banana growers to overcome the constraints faced in adoption of risk management practices in drip irrigated banana cultivation. *Gujarat Journal Extension Education*. 30(2): 120-121.
74. Jagadeeswari, B, Vinaya Kumar, HM and Patel, JB. 2019. Attitude of postgraduate students towards research. *Gujarat Journal Extension Education*. 30(1): 87-89.
75. Joshi, PJ, Chauhan, NB and Patel, JB. 2019. Information collection inclination of extension personnel of SAUs of Gujarat. *Gujarat Journal Extension Education*. 30(2): 182-184.
76. Naveenkumar, G and Chauhan, NB. 2019. Tool to Measure Attitude of Postgraduate Scholars towards Extension Service. *Journal of Krishi Vigyan*. 8 (1): 279-283.

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77. Patel, JH, Chauhan, NB and Makwan, AR. 2019. Extent of agricultural journalism skill of the postgraduate students of agriculture college. *Gujarat Journal Extension Education*. 30(1): 72-76.
78. Patel, JB, Chauhan, NB and Joshi, PJ. 2019. Knowledge about yoga possessed by students study in final year of B. Sc. (Agri.). *Gujarat Journal Extension Education*. 30(1): 93-95
79. Patel, JB., Chauhan, NB and Joshi, PJ. 2019. Attitude and exposure about Yoga by students study in final year of B. Sc. (Agri.). *Gujarat Journal Extension Education*. 30(2): 195-196.
80. Pithiya, ND and Chauhan, NB. 2019. Scale to measure attitude of farmers towards DD Kisan channel. *Gujarat Journal Extension Education*. 30(2): 50-52.
81. Pithiya, ND and Chauhan, NB. 2019. The profile of the DD Kisan viewer farmers of Anand district. *Gujarat Journal Extension Education*. 30(2): 169-172
82. Sondarva, YM, Desai, CP and Patel, JB. 2019. Constraints faced by the banana growers in adoption of innovative banana technology. *Gujarat Journal Extension Education*. 30(2): 55-58.
83. Saini, H and Chauhan, NB. 2019. Development and standardization of a test to measure knowledge level of women about kitchen gardening. *Gujarat Journal Extension Education*. 30(2): 101-105
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86. Ghetiya, NG, Darji, AR and Patel, JB. 2018. Association between profile of students and their knowledge about Krishikosh. *Guj. J. Ext. Edu.* 29(1): 102-103.
87. Ghetiya, NG, Khatri, KD and Patel, JB. 2018. Attitude of agriculture students towards agro-tourism as an enterprise. *Guj. J. Ext. Edu.* 29(2): 208-210.
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90. Gulkari, KD and Chauhan, NB. 2018. Profile analysis of risk management practices adopter farmer in drip irrigated banana cultivation. *Guj. J. Ext. Edu.* 29(1): 236-242.
91. Khatri, KD and Chauhan, N.B. 2018. Development of scale to measure the attitude of farmers' sons towards permanently working in rural area *Guj. J. Ext. Edu.* 29(1): 1-2.
92. Netravathi, G and Chauhan, NB. 2018. Social and communication variables and their measurement in climate change studies. *Guj. J. Ext. Edu.* 29(1): 52-57.
93. Patel, JB and Chauhan, NB. 2018. Development of scale to measure the attitude of farmers towards Kankrej cow. *Guj. J. Ext. Edu.* 29(2): 178-179.
94. Patel, JB and Chauhan, NB. 2018. Development and standardization of scale to measure attitude towards yoga as a tool of human resource development. *Guj. J. Ext. Edu.* Special issue on National Seminar, April 2018 pp:99-100.
95. Patel, JB, Chauhan, NB and Vinaya Kumar, HM. 2018. Attitude of farmers towards farmers Interest group in Anand district of Gujarat. *Guj. J. Ext. Edu.* 29(1): 112-116.
96. Patel, JB, Chauhan, NB and Vinaya Kumar, HM. 2018. Relationship between attitude of farmers towards FIG and their profile in Anand district of Gujarat. *Guj. J. Ext. Edu.* 29(2): 174-177.
97. Patel, PC and Patel, JB. 2018. Attitude of tribal livestock owners towards vaccination in ruminants. *Guj. J. Ext. Edu.* 29(1): 16-17.
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102. Thakur Nidhi, B and Chauhan, NB. 2018. Problems faced by farmers' sons in satisfying various training needs in anand taluka of Gujarat. *Guj. J. Ext. Edu.* Special issue on National Seminar, April 2018 pp:25-27
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110. Haseena B, Patel, JB and Patel, PC. 2017. Constraints Faced by the Farmers in attending Farmer Field School (FFS) in Anand district of Gujarat. *Gujarat Journal of Extension Education.* 28(2): 185-188.

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