

Appendix

4

LIST OF RESEARCH PAPERS PUBLISHED

1. FACULTY OF AGRICULTURE/ HORTICULTURE

A. International Journal

1. Acharya R. R., Pandya M. M., Patel N. A. and Patel A. L. (2024). Breeding *Capsicum annum* L. 'Anand Tej' for Enhanced Yield, Quality and Leaf Curl Virus Tolerance. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(4): 515-521.
2. Acharya V. R., Kumar S., Acharya Z. R., Gor Dimple, Patel N. B. and Parihar A. (2024). Modification of the sex expression and maintenance of gynoeious parthenocarpic line in cucumber (*Cucumis sativus* L.) **International Journal of Advanced Biochemistry Research**, 8(11): 928-931.
3. Adbhai A., Talati J. G., Kumar S., Sakure A., Acharya R. R. and Patel N. J. (2025). Study of galactomannan content, gum viscosity and rheological properties and diversity analysis through biochemical traits and simple sequence repeat (SSR) markers in cluster bean. **Genetic Resources and Crop Evolution**, 72:6361-6373. DOI: 10.1007/s10722-025-02404-0.
4. Adhikari V., Dabhi M. V., Gangwar R. K. and Kalola A. D. (2024). Morphological Correlation Study of Wheat Varieties Against *Rhizopertha dominica* (Fabricius). **Progressive Research: An International Journal**, 19(7): 348-350.
5. Akbari D., Patel R., Barad A. H. and Mohapatra A. (2024). Evaluation of different ready-mix insecticides against the insect pest of sesame. **Plant Archives**, 24(2): 2674-2678.
6. Anitha V., Kalasariya R. L., Shudeer, Shravya S. K. and Ramya R. (2024). Impact of increasing atmospheric carbon dioxide on insect pests and natural enemies. **International Journal of Advanced Biochemistry Research**, SP-8(8): 1244-1250.
7. Asari P. S., Panchal B. H., Macwan S. J. and Barot T. S. (2024). Effect of organic nutrients on growth, yield and quality of beetroot (*Beta vulgaris* L.) var. crimson globe. **International Journal of Advanced Biochemistry Research**, 8(8): 976-981.
8. Babariya R., Das A., Mamidipalli H., Chavadhari R. M., Satapathy A. and Mistry J. G. (2025). Trait association with respect to floral morphology and agro-morphology in selected cultivars and wild genotypes of Brassicaceae. **Plant Archives**, 25(1): 2053-2059.
9. Babu B., Mathur R., Suresh K., Ravichandran G., Susanthi B., Patil G., Ruthweek N. and Mahesh M. (2025). Efficient regeneration protocol for producing true-to-type oil palm (*Elaeis guineensis* (Jacq.) through somatic embryogenesis from immature male inflorescence. **Heliyon**, 11(1): e41479. DOI: 10.1016/j.heliyon.2024.e41479.





10. Bagadia I. K., Parmar A. B., Kathad S. V. and Vitthalapar M. K. (2024). Standardisation of different levels and split application of nitrogen on growth and yield of sweet orange [*Citrus sinensis* (L.) OSBECK] cv. Phule Mosambi. **International Journal of Advanced Biochemistry Research**, 8(8): 383-387.
11. Bagadia I. K., Parmar A. B., Masu M. M. and Solanki Jyotiraditya (2024). Standardisation of different levels and split application of nitrogen on quality of sweet orange [*Citrus sinensis* (L.) osbeck] cv. PhuleMosambi. **International Journal of Advanced Biochemistry Research**, 8(9): 969-972.
12. Bansal R. and Shaikh A. S. (2024). Export status of pomegranate in India and Gujarat. **Journal of Agricultural Research and Technology**, 49(1): 172-178.
13. Barad A. H., Prajapati H. N., Parekh D. D. and Trivedi N. P. (2024). Efficacy of organic inputs against aphid, *Lipaphisps eudobrassicae* Davis infesting broccoli. **International Journal of Advanced Biochemistry Research**, 8(7): 92-95.
14. Bhagora D. P., Chaudhary C. S., Makwana S. N. and Patel S. L. (2024). Effect of inorganic and organic nutrients on quality and yield parameters of fodder sorghum under south Gujarat condition. **International Journal of Research in Agronomy**, 7(12): 680-682.
15. Bhattacharjee P., Patel M. J., Warang O., Jadav N. J. and Debbarma S. (2024). Impact of integrated nutrient management on yield, soil and plant nutrient status in sweet orange (*Citrus sinensis* L.) cv. Phule Mosambi. **Communications in Soil Science and Plant Analysis**, 55(16): 2379-2392.
16. Bhuva B., Sakure A. A., Mankad P. M., Ramanuj K., Rawat A., Bishnoi M. and Hati S. (2025). Influence of Lactobacillus and yeast on antioxidative, antidiabetic, and antiinflammatory attributes of camel milk and Gir cow milk as well as release of bioactive peptides: A comparative study. **Journal of Food Science**, 90(3): e70112. DOI: 10.1111/1750-3841.70112.
17. Bhuva S., Prajapati H. N., Barad A. H. and Patel D. (2024). Evaluation of efficacy of fungicides against purple blotch of onion in field conditions. **Plant Archives**, 24(2): 2440-2444.
18. Birla D., Patel R. A., Makwana S. N. and Yadav S. L. (2024). Effect of integrated nitrogen management practices on growth and yield of *kharif* maize. **Journal of Experimental Agriculture International**, 46(12): 58-65.
19. Chandan G. Y. and Khokhar A. N. (2025). A comparative study of deep learning models for cotton price forecasting in Gujarat, India. **International Journal of Agriculture and Environmental Research**, 11(01): 246.
20. Chaudhari J. H., and Mishra A. (2025). Effects of Spacing and Nitrogen on Castor (GAC 11) Grown in Heavy Black Soil. **Journal of Experimental Agriculture International**, 47(2): 417-424.
21. Chaudhari J. H., Zala M. B., Hajari R. V., Patel B. N., Machhar R. G., Jhala Y. K. and Mishra A. (2025). Response of castor (GCH 10) to spacing and nitrogen under irrigated condition. **International Journal of Research in Agronomy**, 8(2): 245-251.
22. Chaudhari U. C., Shah N. I., Maheriya P. A. and Rathva V. D. (2024). Effect of different growing condition with growing media on growth, flowering and yield *Asiatic liliun*. **International Journal of Advanced Biochemistry Research**, 8(8): 764-770.
23. Chaudhari U. C., Shah N. I., Maheriya P. A., Makwana R. J. and Rathva V. D. (2024). Impact of varied growing conditions and media on the growth and yield of *Asiatic liliun*. **International Journal of Research in Agronomy**, 7(9): 496-501.





24. Chaudhari V. D., Virdia H. M. and Chaudhari P. R. (2024). Impact of planting methods, spacing and intercropping on yield, nutrient content and uptake by sugarcane under south Gujarat conditions. **International Journal of Research in Agronomy**, 7(1): 230-235.
25. Chaudhari V. K. and Sisodiya D. B. (2024). Population dynamics of pink bollworm in *Bt* cotton at middle Gujarat. **International Journal of Advanced Biochemistry Research**, 8(8): 515-519.
26. Chaudhari V. K., Patel V. B., Patel M. P. and Bhanvadia A. S. (2024). Field Efficacy of a Combination of Seed Treatment and Foliar Spray against Pest Complex in Green Gram. **Legume Research: An International Journal**, 47(2): 268-276.
27. Chaudhary A., Gangwar R. K. and Thorat S. S. (2024). Status of Bacterial Leaf Blight in Major Rice Growing Districts of Gujarat. **Journal of Rice Research**, 17(2): 106-112.
28. Chaudhary B. M. and Yadav S. B. (2024). Investigating the impact of climate change on direct seeded rice production in middle Gujarat using the InfoCrop-rice model. **International Journal of Environment and Climate Change**, 14(9): 351-359.
29. Chaudhary C. S., Bhagora D. P., Makwana S. N. and Patel S. L. (2024). Evaluation of herbicide efficacy and combinations for weed management in non-crop situation. **International Journal of Research in Agronomy**, 7(12): 683-686.
30. Chaudhary H. L., Shah N. I. and Rathod K. D. (2024). Effect of Organic Sources on Soil and Leaf Nutrient Status of Sapota [*Manilkara achras* (Mill.) Fosberg] cv. Kalipatti. **International Journal of Plant and Soil Science**, 36(3): 82-91.
31. Chaudhary J. H., Zala M. B., Hajari R. V., Patel B. N., Machhar R. G., Jhala Y. K. and Mishra A. (2025). Response of castor (GCH 10) to spacing and nitrogen under irrigated condition. **International Journal of Research in Agronomy**, 8(2): 245-251.
32. Chaudhary P. M., Leua H. N., Patel P. D., Makwana S. N. and Gohil V. M. (2024). Impact of different seed treatments on germination of chironji (*Buchanania lanzan* Spreng.). **International Journal of Research in Agronomy**, 7(8): 572-574.
33. Chaudhary P. M., Rathva A. D., Patel P. D., Makwana S. N. and Lunagariya R. J. (2024). Effect of different seed treatments on germination and seedling growth of Chironji (*Buchanania lanzan* Spreng.). **International Journal of Research in Agronomy**, 7(8): 564-568.
34. Chauhan A. H., Shinde R. D., Kumar D. and Parmar P. M. (2024). Effect of potassium and zinc on soil properties and fraction of potassium and zinc in soil. **International Journal of Plant and Soil Science**, 36(9): 668-676.
35. Chauhan B. P., Shukla Y. M., Solanki U. B., and Dhruv J. J. (2024). Biochemical Characterization of Brinjal (*Solanum melongena* L.) Leaves Infected with Little Leaf Disease. **International Journal of Economic Plants**, 11(3): 270-279.
36. Chauhan K. K. and Lunagaria M. M. (2025). Remote Sensing-Based Crop Identification and Acreage Estimation of Rabi Wheat in Anand, Gujarat. **International Journal of Environment and Climate Change**, 15(1): 1-11.





37. Chauhan Z. Y., Shah S. N., Patel K. C., Shroff J. C. and Patel H. K. (2024). Optimizing integrated nutrient management for sustainable maize–sesame cropping in Gujarat Plains: A soil health perspective. ***Soil Science society of American Journal***, 88 (3): 846–857.
38. Chauhan Z. Y., Shah S. N., Patel K. C., Shroff J. C. and Patel H. K. (2024). Optimizing integrated nutrient management for sustainable maize–sesame cropping in Gujarat Plains: A soil health perspective. ***Soil Science Society of America Journal***, 88(3): 846-857. <https://doi.org/10.1002/saj2.20664>
39. Chavda J. D., Raval C. H., Rathod P. H. and Patel H. K. (2024). Growth, yield, quality, nutrient content, uptake and economics of fenugreek affected by levels of phosphorus and Sulphur in alluvial soil. ***International Journal of Research in Agronomy***, 7(7): 559-563.
40. Chavda K., Suthar J. V., Patel H. K., Kurkutiya S. R. and Patel A. J. (2024). Bio-efficacy of herbicides on weed growth, yield and economics of *kharif* sorghum. ***International Journal of Research in Agronomy***, 7(7): 936-938.
41. Chawra U., Kacha H. L., Rani R. R., Bhabhor G. K. and Makwana N. D. (2024). Rainfall Variability and Crop Planning of Dahod: A Case study from Tribal District in Gujarat, India. ***International Journal of Environment and Climate Change***, 14(4): 259-266.
42. Choudhary P., Patel K. C., Choudhary V. K., Kumawat S. L. and Makwana S. (2024). Exploring the Potential of Sulphur Nanoparticles in Soybean (*Glycine Max*) Cultivation. ***International Journal of Plant & Soil Science***, 36(12): 645-650.
43. Choudhary, P., Patel K. C., Lakshman S. R., Singh P and Yadav S. L. (2024). Influence of Soil Texture on the Mineralization of Sulphur Nanoparticles under Incubation. ***International Journal of Environment and Climate Change***, 14(12): 621-31.
44. Dabhi M. R. and Chaudhari P. (2024). Life table of *Chrysoperla zastrowi sillemi* (Esben-Peterson) on different hosts. ***Progressive Research: An International Journal***, 19(2): 118-120.
45. Dabhi, M. R., Italiya J. V., Barot, R. C., Chaudhary, K. V. and Singh, N. A. (2024). Species composition of grasshopper fauna in different habitats of Jabugam in Gujarat, India. ***Plant Archives***, 24(2): 838-846.
46. Damor A. S., Patel J. N. and Parmar H. K. (2024). Heterosis studies for grain yield and its component traits in pearl millet hybrids [*Pennisetum glaucum* (L.) R. Br.]. ***International Journal of Advanced Biochemistry Research***, 8(10): 35-44.
47. Damor A. S., Patel J. N., Patil K., and Mungra K. D. (2024). Combining ability analysis for grain yield and its component traits in pearl millet (*Pennisetum glaucum* L. R. Br.). ***Plant Archives***, 24(2): 621-627.
48. Damor C. B., Patel M. R. and Rathod D. M. (2024). Motivational factors and Constraints faced by beneficiary tribal farmers in obtaining benefits of Agricultural Technology Management Agency. ***International Journal of Agriculture Extension and Social Development***, 7(9): 573-575.
49. Damor C. B., Patel M. R. and Rathod D. M. (2024). Relationship between psychological characteristics of beneficiary tribal farmers and their socio-techno-economic change. ***International Journal of Agriculture Extension and Social Development***, 7(9): 125-130.
50. Damor C. B., Rathod D. M., Hadiya G. D. and Pate M. B. (2024). Relationship between the profile of FIGs members and their cohesiveness of ATMA project. ***International Journal of Agriculture Extension and Social Development***, 7(6): 259-263.





51. Damor C. B., Rathod D. M., Hadiya G. D. and Patel M. B. (2024). Constraints and suggestions faced by the farmers in adoption maize cultivar GAYMH 1. **International Journal of Agriculture Extension and Social Development**, 7(6): 127-130.
52. Damor C. B., Rathod D. M., Hadiya G. D. and Patel M. B. (2024). Relationship between the profile of FIGs members and their cohesiveness of ATMA project. **International Journal of Agriculture Extension and Social Development**, 7(6): 259-263.
53. Damor C. B., Rathod D. M., Hadiya G. D. and Patel M. B. (2024). Training needs of chickpea growers in Panchmahals district. **International Journal of Agriculture Extension and Social Development**, 7(6): 269-275.
54. Damor C. B., Rathod D. M., Hadiya G. D. and Patel M. B. (2024). Training needs of chickpea growers in Panchmahals district. **International Journal of Agriculture Extension and Social Development**, 7(6): 269-275.
55. Damor P. A., Mod, A. A., Bhavin R. and Parmar H. V. (2024). Time series analysis & development of simulation model for monthly rainfall using ARIMA model. **International Journal of Agricultural Sciences**, 20(1): 226-235.
56. Dave P. B., Mistry J. G., Amin B. A. and Patel K. V. (2024). Estimates of genetic components for yield and its related traits in pearl millet hybrids (*Pennisetum glaucum* L. R.Br.). **International Journal of research in Agronomy**, 7(8): 667-671.
57. Deepak C. and Patel H. C. (2024). Succession of major pests and predatory fauna in okra. **International Journal of Environment and Climate Change**, 14(9): 376-387.
58. Deepak C., Patel H. C. and Patel H. K. (2024). Microbial symbionts of hymenopteran parasitoids: an effective tool for next-generation crop protection. **Symbiosis**, 93(2): 153-162.
59. Deepak C., Patel H. C., Raghunandan B. L., Prajapati N. G. and Patel N. B. (2024). Effect of adjuvants on growth and spore attributes of *Metarhizium anisopliae* (Metsch.) Sorokin. **Journal of Biological Control**, 38(3): 268-275.
60. Desai S. G., Gohel N. M., Parmar K. D. and Mohapatra A. R. (2024). *In-silico* molecular docking: shifting paradigms in pesticide discovery. **International Journal of Environmental and Agriculture Research**, 10(8): 1-17.
61. Desai S. G., Rojasara Y. M., Dabhi M. V. and Suthar, Y. M. (2024). Study on cultural, morphological and pathogenic variability among the isolates of *Pythium aphanidermatum*. **Plant Archives**, 24(2): 1163-1168.
62. Devi G. and Changela P. (2024). Determinants of farmers decision for adoption and non-adoption of eucalyptus plantation and their impact on ground water level of bore wells in middle Gujarat. **Journal of Plant Development Sciences**, 16(3): 115-120.
63. Devi G., Raju N. and Kar S. (2025). Environmental Sustainability through Green Economy in Context to Indian Scenario: A Review. **Medicon Agriculture and Environmental Sciences**, 8(2): 16-27.
64. Devilal, B., Patel R. A., Makwana S. N. and Suwa, Y. (2024). Effect of nitrogen management practices





on growth and yield of *kharif* maize. **Journal of Experimental Agriculture International**, 46(12): 58-65.

65. Dey S., Saha K., Dave R., Parath N. and Murugesan A. (2025). Estimation of leaf area index of mustard and potato from Sentinel-2 data using parametric, non-parametric and physical retrieval models. **Remote Sensing Applications: Society and Environment**, <https://doi.org/10.1016/j.rsase.2025.101493>.
66. Dhaliwal S. S., Dubey S. K., Kumar, D., Toor A. S., Walia S. S., Randhawa M., Kaur G., Brar S. K., Khambalkar P. A. and Shivay Y. S. (2024). Enhanced Organic Carbon Triggers Transformations of Macronutrients, Micronutrients, and Secondary Plant Nutrients and Their Dynamics in the Soil under Different Cropping Systems-A Review. **Journal of Soil Science and Plant Nutrition**, 24(6): 5272-5292.
67. Dharshini M. S., Macwana S. S., Parmar D. J. and Kalyanrao, P. (2024). Multi Environment Analysis of Soybean Genotypes to Delineate Stability and Adaptability for Yield and Quality Parameters. **Journal of Scientific Research and Reports**, 30(5): 259-275.
68. Dobaria J. D., Dhruv J. J. and Pandya, M. (2024). Evaluation of biostimulants effect on various parameters and its relation to insect-pest infestation on two genotypes of Brinjal. **International Journal of Advanced Biochemistry Research**, 8(6): 373-380.
69. Dodiya R. D., Barad A. H. and Italiya J. V. (2024). Efficacy of insecticides against *Spodoptera litura* (Fabricius) infesting groundnut (*Arachis hypogaea* Linnaeus). **Pesticide Research Journal**, 36(2): 125-129.
70. Dodiya R. D., Barad A. H., Italiya J. V. and Prajapati H. N. (2024). Impact of weather parameters on population dynamics of tobacco leaf eating caterpillar, *Spodoptera litura* (F.) infesting groundnut. **Environment and Ecology**, 24(1A): 301-306.
71. Dodiya R. D., Haldhar S. M., Mitra D. and Barad A. H. (2024). New host plant records of rugose spiralling whitefly, *Aleurodicus rugioperculatus* Martin (Hymenoptera: Sternorrhyncha: Aleyrodidae) in diverse habitats. **Journal of Agriculture and Ecology**, 19: 66-76.
72. Dudhat D. H., Patel H. K., Rathod P. H., Patel P. M. and Raval C. H. (2024). Response of zinc and iron on quality parameters of fodder oat. **International Journal of Research in Agronomy**, 7(8): 174-176.
73. Dwivedi A., Suthar K. P., Hamid R., Lakhani K. G., Singh D., Kumar S. and Prajapat P. (2025). Exploitation of novel drought responsive EST-SSR markers in tetraploid cotton (*Gossypium hirsutum* L.). **Gene Reports**, 38: 102097. <https://doi.org/10.1016/j.genrep.2024.102097>.
74. Gadhe K., Shaikh A. S. and Mohit K. (2024). Seasonal Patterns in Cumin Arrivals and Prices in Indian Markets: A Post-COVID 19 Analysis. **Asian Journal of Agricultural Extension, Economics and Sociology**, 42(5): 283-289.
75. Gamit S. S. and Varma C. B. (2024). Bio-efficacy of different acaricides against two spotted spider mite, *Tetranychus urticae* Koch infesting okra under field condition. **International Journal of Advanced Biochemistry Research**, 8(4): 86-91.
76. Gamit S. S., Varma C. B. and Patel P. M. (2024). Seasonal occurrence of two spotted spider mite, *Tetranychus urticae* Koch infesting okra. **International Journal of Research in Agronomy**, 7(4): 105-108.





77. Ghetiya R. and Kalola A. (2024). Comparison of selection indices using equal weight, standard deviation and heritability weight methods in finger millet. **International Journal of Statistics and Applied Mathematics**, 9(1): 15-19.
78. Ghodasara Y. R., Parmar R. S., Kamani G. J., Sisodiya D. B. and Parmar R. G. (2024). Pest and disease video classification with convolutional neural network and transfer learning. **Journal of Experimental Agriculture International**, 46(10): 388-399.
79. Gohil H. B., Parmar R. S., Chavadhari R. M., Sapra G. A., Hariyani S. A. and Mungala M. P. (2024). Study of combining ability for yield attributing traits in late *kharif* sesame (*Sesamum indicum* L.) **International Journal of Advanced Biochemistry Research**, 8(9): 241-249.
80. Gohil H. B., Parmar R. S., Chavadhari R. M., Sapra G. A., Hariyani S. A. and Mungala M. P. (2024). Exploitation of heterosis using L $\times$ T analysis in late *kharif* sesame (*Sesamum indicum* L.). **International Journal of Advanced Biochemistry Research**, 8(9): 480-488.
81. Hadiya G. D., Thumar R. K., Damor C. B., Patel M. B. and Chauhan R. B. (2024). Evaluation of insecticides as a seed treatment against sucking pests in summer greengram. **International Journal of Advanced Biochemistry Research**, 8(8): 684-689.
82. Hadiya G. D., Damor C. B. and Patel M. B. (2024). Efficacy of Different Botanicals against Gram Pod Borer, *Helicoverpa armigera* Hubner and Pod fly, *Melanagromyza obtusa* Malloch in Pigeonpea. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(2): 08-13.
83. Halladakeri P., Macwana S., Patel K. V., Patel D. A. and Parmar D. J. (2024). Unveiling resistant sources and characterizing germplasm for effective management of yellow mosaic virus (YMV) disease in blackgram [*Vigna mungo* (L.) Hepper]. **Indian Phytopathology**, 77(2): 147-155.
84. Hamid R., Jacob F., Ghorbanzadeh Z., Nekouei M. K., Zeinalabedini M., Mardi M., Kumar S. and Ghaffari M. R. (2024). Genomic insights into CKX genes: key players in cotton fibre development and abiotic stress responses. **PeerJ Life and Environment**, 12: e17462. DOI: 10.7717/peerj.17462.
85. Inaniya A., Mor V. B. and Chaudhari D. D. (2024). Effect of weed management approaches on pearl millet in summer season under loamy sand soil of middle Gujarat, India. **Plant Archives**, 24(2) 2333-2337.
86. Jamukiya R. M., Patel B. C., Patel K.V. and Patel M. P. (2025). Exploring combining ability and gene action for seed yield and its component traits in Pearl millet. **Plant Archives**, 25(1): 851-857.
87. Jani B. K., Gohil, D. P., Sakure A. A., Patel M. P. and Parmar D. J. (2024). Appraisal of character association in fodder oat (*Avena sativa* L.). **Plant Archives**, 24(2): 2367-2372.
88. Jayalekshmi J., Patel N. B. and Raghunandan B. L. (2024). Screening of endophytic isolates of *Metarhizium anisopliae* (Metchnikoff) Vuillemin and *Beauveria bassiana* (Balsamo) against *Plutella xylostella* Linnaeus. **International Journal of Research in Agronomy**, 7(8): 177-180.
89. Jenny P., Sakure A. A., Yadav A. and Kumar S. (2024). Molecular cloning and characterization of root-specific SIREO promoter of the Indian tomato (*Solanum lycopersicum* L.) cultivar. **Functional Plant Biology**, 51(7): FP24063.
90. Jitarwal K., Patel V. J. and Patel A. P. (2024). Influence of irrigation and hydrogel on transplanted summer pearl millet [*Pennisetum glaucum* (L.) R. Br.]. **International Journal of Research in Agronomy**, 7(11): 279-282.





91. Juned M., Patel R., Patel B. N., Patel M. P., Madariya R. B., Patel J. K. and Sushil K. (2024). Genetic diversity, population structure and association mapping of morpho biochemical traits in castor (*Ricinus communis* L.) through simple sequence repeat markers. **Industrial Crops and Products**, 221: 119348. DOI: 10.1016/j.indcrop.2024.119348.
92. Kakadiya J. M. and Patel H. C. (2024). Behavioral significance of vibrations in Coleopteran and Hemipteran insects: Applications and Implications. **Environment and Ecology**, 42(3B): 1397-1406.
93. Kakadiya J. M., Patel H. C., Pawar N. B and Deepak C. (2024). Evaluation of combined efficacy of entomopathogenic fungi with insecticides against chilli thrips, *S. dorsalis* under field conditions. **International Journal of Advanced Biochemistry Research**, 8(8): 593-599.
94. Kalariya B. S., Gulkari K. D., Dohat M. P. and Rathod N. K. (2024). Factors Influencing Farmer Adoption in Problematic Soil Reclamation Practices: A Comprehensive Review. **Annual Research and Review in Biology**, 39(12): 57-62.
95. Kalariya R. P. and Dudhat B. L. (2024). Resource Use Efficiency and Constraints in Organic Vs Inorganic Turmeric Farming in Gujarat, India. **Asian Research Journal of Agriculture**, 17(4): 747-54.
96. Kamaliya S. N., Jhala Y. K., Patel H. K., Kumar D., Sharmathy V. and Vyas R. V. (2024). Isolation and characterization of native microalgae with potential for phycoremediation of heavy metal contaminated water. **Phycologia**, 63(4): 369-377.
97. Kaneriya K. M. and Zala M. B. (2024). Seasonal incidence of castor capsule borer (*Conogethes punctiferalis* Guènee). **Plant Archives**, 24(2): 2507-2510.
98. Kanzaria S. D. and Patel J. S. (2024). Impact of organic nutrients on yield and quality of cluster bean [*Cyamopsis tetragonoloba* (L.) Taub.]. **International Journal of Research in Agronomy**, 7(2): 501-503.
99. Kathad S. V., Masu M. M., Parekh D. D. and Bagadia I. K. (2024). Effect of different plant spacing and time of pinching on growth and flowering of chrysanthemum (*Chrysanthemum morifolium* L.) cv. Ratlam Selection. **International Journal of Advanced Biochemistry Research**, 8(7): 1060-1063.
100. Kathad S. V., Masu M. M., Parmar A. B. and Solanki J. (2025) Effect of different plant spacing and time of pinching on yield of Chrysanthemum (*Chrysanthemum morifolium* L.) Cv. Ratlam selection, **Plant Archives**, 25 (1): 2019-2022.
101. Khandelwal V., Patel R., Choudhary K. B., Pawar S. B., Patel M. S., Iyanar K., Kumar S. and Satyavathi, C. T. (2024). Stability Analysis and identification of superior hybrids in pearl millet [*Pennisetum glaucum* (L.) R. Br.] using the multi trait stability index. **Plants**, 13(8): 1101.
102. Kumar R., Lad Y. A., and Kumari P. (2025). Forecasting potato prices in Agra: Comparison of linear time series statistical vs. neural network models. **European Potato Journal**, DOI:10.1007/s11540-024-09838-6.
103. Kumar S. M., Kumari P., Lad Y. A. and Sherin M. (2024). Scenario of solar energy and policies in India. **Clean Energy**, 8(5): 117-128.





104. Kumar S. M., Kumari P., Rahul S. G. and Lad Y. A. (2025). Factors influencing farmers to adopt potato contract farming in Gujarat. **European Potato Journal**, DOI: 10.1007/s11540-025-09850-4.
105. Kurkutiya S. R., Raval C. H., Patel H. K., Chavda K. and Patel A. J. (2024). Effect of different organic sources on growth, yield and economics of kodo millet (*Paspalum scrobiculatum* L.). **International Journal of Research in Agronomy**, 7(8): 102-105.
106. Lakshman, Raval C. H., Patel H. K., Yadav S., Birla D., Choudhary P. and Choudhary M. (2024). Effect of Organic Sources on Properties of Soil on the Cultivation of Green gram (*Vigna radiate* L.) in Sandy Loam Soil of Middle Gujrat Region. **International Journal of Environment and Climate Change**, 14(7): 76-82.
107. Lavudya S., Patel M. P., Kumar S., Singh A., Sakure A. A. and Pandya M. (2024). Identification of elite genotypes through morpho-biochemical and molecular characterization of turmeric (*Curcuma longa* L.). **South African Journal of Botany**, 166(1): 161-168.
108. Lavudya S., Thiyagarajan K., Ramasamy S., Sankarasubramanian H., Muniyandi S., Bellie A., Kumar S. and Dhanapal S. (2024). Assessing population structure and morpho-molecular characterization of sunflower (*Helianthus annuus* L.) for elite germplasm identification. **PeerJ Life and Environment**, 12: e18205. DOI: 10.7717/peerj.18205.
109. Litoriya N. S., Kalasariya R. L., Parmar K. D., Patel J. H., Patel S. H., Chaudhary N. N., Chauhan N. R., Chawla S. and Shah P. G. (2024). Dissipation and dietary risk assessment of fluoxapiprolin (and its metabolites) residues in cucumber and tomato samples under field conditions. **Food Additives & Contaminants: Part A**, 41(10) : 1275-1287.
110. Lunagaria, M. M. (2024). Comparative evaluation of multiscaler drought indices under different climatic conditions in Gujarat state of India. **Environ Monit Assess**, 196(11): 1028.
111. Lunagariya M. V. and Sisodiya D. B. (2024). Nesting behaviour of stingless bees, *Tetragonula* spp. in middle Gujarat. **The Pharma Innovation Journal**, 13(8): 89-92.
112. Mahla J. S., Acharya R. R., Pandya M. M., Kumar S., Chauhan B. P. and Patel A. (2024). Heritability and genetic advance studies on fruit yield and its attributes traits in brinjal (*Solanum melongena* L.). **Journal of Advances in Biology & Biotechnology**, 27(10): 564-576.
113. Mahla J. S., Acharya R. R., Pandya M. M., Kumar S., Patel D. A. and Parmar D. J. (2025). Estimation of heterosis and inbreeding depression for fruit yield attributing characters in brinjal (*Solanum melongena* L.). **International Journal of Economic Plants**, 12(1): 01-08.
114. Makavana P. C., Patel M. J., Kavad M. H. and Savdhariya S. J. (2024). Effect of bagging and plant growth regulators on yield attributes and yield of date palm (*Phoenix dactylifera* L.) cv. Local, **International Journal of Advanced Biochemistry Research**, 8(11): 01-05.
115. Makwana N. R., Prajapati D. B., Parmar M. B. and Sondarava P. M. (2025). Interpreting Genotype x Environment Interaction in Rice (*Oryza sativa* L.) Using Eberhart and Russell Model. **International Journal of Bio-Resource and Stress Management**, 16(2): 1-9.
116. Makwana R. J., Rathva V. D and Panchal B. H (2024). Effect of Different Seed Treatment on Germination of Fishtail Palm (*Caryota urens*) under Naturally Ventilated Poly house Conditions. **Plant Cell Biotechnology and Molecular Biology**, 25(11-12): 151-158.





117. Makwana R. J., Rathva V. D. and Panchal B. H. (2024). Effect of IBA concentration (Indol butaric acid) and growing condition on performance of cuttings in Mogra (*Jasminum sambac*). **Journal of Experimental Agriculture International**, 46(10):744-750.
118. Makwana S. N., Chaudhary C. S., Patel P. D., Chaudhary P. M. and Suwa L. Y. (2024). Effect of inorganic and organic nutrients on quality and soil parameters of summer green gram (*Vigna adiate* L. Wilczek). **International Journal of Research in Agronomy**, 7(8): 569-571.
119. Makwana S. N., Patel R. A., Patel P. D., Chaudhary P. M. and Devilal B. (2024). Influence of nitrogen management on growth of *kharif* pearl millet. **International Journal of Research in Agronomy**, 7(8): 560-563.
120. Makwana S. N., Patel R. A., Patel P. D., Chavda M. H. and Bhuvela S. B. (2024). Impact of nitrogen management on yield and economics of *kharif* pearl millet. **International Journal of Research in Agronomy**, 7(8): 556-559.
121. Manju C., Gediya K. M., Sanju C., Suwa L. Y. and Makwana S. N. (2024). Effect of integrated nutrient management on growth and quality of bidi tobacco. **Frontiers in crop improvement**, 12(1): 504-507.
122. Maru A. K. and Patel B. A. (2024). Field study on the effect of different planting periods on root-knot nematodes, *Meloidogyne* spp. infecting tomato. **Indian Phytopathology**, 77(2): 833-837.
123. Mathur K. and Barad A. H. (2024). Unravelling the biology of aphid, *Lipaphisps eudobrassicae* (Davis) infesting broccoli. **Frontiers in Crop Improvement**, 12: 271-274.
124. Mehta K. K., Sisodiya D. B., Parmar R. G. and Solanki B. J. (2024). Nesting whitefly (*Paraleyrodes* spp.): An invasive pest in India: A review. **International Journal of Advanced Biochemistry Research**, 8(12): 519-524.
125. Memon J., Patel R., Patel B. N., Patel M. P., Madariya R. B., Patel J. K. and Kumar S. (2024). Genetic diversity, population structure and association mapping of morphobiochemical traits in castor (*Ricinus communis* L.) through simple sequence repeat markers. **Industrial Crops and Products**, 221: 119348. DOI: 10.1016/j.indcrop.2024.119348.
126. Mirza I. A. B., Kadam G. L., Thombre S. V. and Pawar A. D. (2024) Effect of different nutrient management practices on growth and yield of hybrid sunflower (*Helianthus annus* L.) **International Journal of Research in Agronomy**, 7(7): 422-424
127. Mishra D. N., Gangwar R. K. and Dash A. (2025). Efficacy of modern combination fungicides for management of *Pyricularia oryzae* induced rice blast in Western India. **Cereal Research Communications**, 53(1): 1519-1528.
128. Modh M. B. and Mor V. B. (2024). Exploring the nexus between weather variables and wheat quality across different sowing dates and varieties: a comprehensive correlation study. **Plant Archives**, 24 (1): 921-927.
129. Modh M. B., Patel K., Patel H. K., and Mor V. B. (2024). Nitrogen and cutting management in bajra napier hybrid: a review. **Forage Research**, 50(3): 27-34.
130. Nanavati J. I. and Suvatar V. K. (2024). Hererosis studiesfor yield and yield attributing traits in forage maize (*Zea mays* L.). **Biological Forum- An international Journal**, 16(11): 119-124.





131. Nanavati J. I., Savdhariya S. J. and Suvatar V. K. (2024). Combining ability analysis for quantitative characters in in forage maize (*Zea mays* L.). **Biological Forum- An international Journal**, 16 (12): 61-64.
132. Pampaniya N. K., Balas D. B., Viyol S. V., Mevada R. J., Patel D. P., Surve N., Bhavin R. and Thakor D. I. (2025). District-level assessment of water body areas across different regions of Gujarat, India. **Journal of Geography, Environment and Earth Science International**, 29(2): 66-79.
133. Pandor B. L., Patel M. P. and Chaudhari R. H. (2025). Heterosis analysis for seed yield and its component characters in castor [*Ricinus communis* L.]. **International Journal of Advanced Biochemistry**, 9(1): 598-607.
134. Pandya M. M., Acharya R. R., Joshi V. I., Patel N. A., Kathiria K. B., Gohil D. P. and Patel J. N. (2024). Vegetable purpose cluster bean cultivar Anand Bahar for late *kharif* agro climatic conditions of Gujarat India. **Plant Archives**, 24(2): 1983-1987.
135. Pandya M. M., Acharya R. R., Patel N. A., Kathiria K. B., Bhanvadia A. S., Gohil D. P., Patel J. N. and Joshi V. I. (2024). Assessing high-yielding variety Anand Komal for dual-season cultivation of okra (*Abelmoschus esculentus* L. Moench) in middle Gujarat agro climatic condition. **International Journal of Plant and Soil Science**, 36(8): 714-727.
136. Pandya M. M., Acharya R. R., Patel N. A., Kathiria K. B., Bhanvadia A. S., Gohil D. P., Patel J. N. and Joshi V. I. (2024). Development of clustered fruiting and high-yielding variety in brinjal (*Solanum melongena* L.) through applied plant breeding. **Journal of Advances in Biology and Biotechnology**, 27(8): 133-144.
137. Pandya M. M., Acharya R. R., Patel N. A., Kathiria K. B., Gohil D. P., Patel J. N. and Joshi V. I. (2024). Promising round shaped variety Anand Raj exhibiting glossy skin characteristics in brinjal (*Solanum melongena* L.). **Journal of Scientific Research and Reports**, 30(8): 573-584.
138. Pandya P., Kumar S., Patil G., Mankad M. and Shah Z. (2024). Impact of ZnO nanopriming on physiological and biochemical traits of wheat (*Triticum aestivum* L.) seedling. **CABI Agriculture and Bioscience**, 5: 27. DOI: 10.1186/s43170-024-00228-z.
139. Paradva D. R., Patel M. J., Bhavin R. and Kacha H. L. (2024). Effects of post-shooting sprays & bunch covering on yield attributes of Willium banana (*Musa paradisiaca* L.). **International Journal of Agricultural Sciences**, 20(1): 108-114.
140. Parmar G. S., Viradiya M. B. and Patel J. A. (2024). Response of Nano DAP on yield and Nutrient content of wheat grown in loamy sand soil. **International Journal of Plant & Soil Science**, 36(8): 374-383.
141. Parmar H. K., Macwana S. S., Patel D. A., Patel N. B. and Patel N. J. (2024), Genetic analysis of heterosis and inbreeding depression in Indian mustard [*Brassica juncea* (L.) Czern & Coss]. **International Journal of Advanced Biochemistry Research**, 8(9): 1155-1161.
142. Parmar H. V. and Gohel N. M. (2024). Biochemical basis of resistance in chickpea (*Cicer arietinum* L.) against wilt complex. **Legume Research-An International Journal**, 47(11): 2011-2015.
143. Parmar H. V. and Gohel N. M. (2024). Management of Wilt Complex of Chickpea with Seed Biopriming and Soil Application of *Trichoderma* spp. **Legume Research**, 47(6): 1046-1051.





144. Parmar J., Kalola A., Kothiya D., and Panchal K. (2025). Statistical Modeling for Area of Pearl Millet in Gujarat, India. **European Journal of Nutrition and Food Safety**, 17(3): 312-326.
145. Parmar K. D., Chaudhary N. N., Kalasariya R. L., Chawla S., Thakor S. C., Patel C. J., Patel D. S., Akbari L. F. and Kumawat G. L. (2024). Dissipation kinetics and risk assessment of residues of combination product of two fungicides, fluxapyroxad, and pyraclostrobin in cumin. **Food Additives & Contaminants: Part A**, 41(10): 1288-1301.
146. Parmar P. S. and Patel K. C. (2025). The Periodic variation in Iron availability in soil affected by saline water conditions. **Asian Journal of Soil Science and Plant Nutrition**, 11(1): 1-7.
147. Parmar P. S., Patel K. C. and Patil G. B. (2025). Green Synthesis and characterization of Fe nanoparticles using Neem (*Azadirachta indica* L.) leaves. **Asian Journal of Soil Science and Plant Nutrition**, 11(1): 18-24.
148. Parmar R. B., Patel K. C., Patel H. K. and Kadivala V. H. (2024). Forage production and quality of Lucerne (*Medicago Sativa* L.) under mineral potassic fertilization. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(3): 52-56.
149. Patel A. J., Patel H. K., Rathod P. H., Raval C. H., Suthar J. V., Kurkutiya S. R. and Chavda K. (2024). Split application of nitrogen level on quality parameters of fodder sorghum. **International Journal of Research in Agronomy**, 7(7): 918-921.
150. Patel A. P., Patel R. A., Mehta P. V., Devilal B. and Chavda M. H. (2024). Effect of stage of umbel picking, manure and nitrogen fertilization on growth, yield attributes and yield of fennel. **International Journal of Research in Agronomy**, 7(4): 758-763.
151. Patel D. J., Viradiya M. B., Kotadiya R. H., Chaoudhary K. H., Dohat M., Birla D., Kachhiya K. A. and Patel J. A. (2025). Liquid Nano urea fertilizers : Its impact on nutrient quality and uptake in summer pearl millet. **International Journal of Agronomy**, 8(8): 661-666.
152. Patel D. J., Viradiya M. B., Kotadiya R. H., Dohat M. and Birla D. (2025). Effect of liquid nano urea fertilizer under different nitrogen levels on physicochemical parameters of pearl millet. **International Journal of Agronomy**, 8(1): 244-247.
153. Patel H. K. and Rathod P. H. (2024). Fodder maize yield and its quality as influenced by soil and foliar application of zinc and iron. **International Journal of Research in Agronomy**, 7(2): 70-74.
154. Patel H. K., Patel N. B., Parmar R. G. and Patel H. C. (2024). Evaluation of different bio-pesticides against red spider mite, *Tetranychus urticae* Koch in marigold. **International Journal of Research in Agronomy**, 7(8): 424-427.
155. Patel J. V., Gohel N. M., Prajapati D. and Parmar D. M. (2024). Effect of Weather Factors on Severity of Early Blight Incited by *Alternaria Solani* (Ellis and Martin) Jones and Grout in Potato. **International Journal of Plant & Soil Science**, 36(3): 69-75.
156. Patel K. H., Patel V. J., Varma H. S., Patel M. B., Parmar P. K. and Rathod D. M. (2024). Impact of potassium levels and potassium solubilizing bacteria on yield and economics of maize in *kharif* season. **International Journal of Research in Agronomy**, 7(6): 211-215.
157. Patel K. H., Varma H. S., Patel V. J., Patel M. B., Parmar P. K. and Rathod D. M. (2024). Impact of





- potassium levels and potassium solubilizing bacteria on yield and economics of maize in *rabi* season. **International Journal of Research in Agronomy**, 7(6): 216-219.
158. Patel K. H., Varma H. S., Patel V. J., Patel M. B., Parmar P. K. and Rathod D. M. (2024). Effect of irrigation scheduling on growth and yield of *rabi* sweet corn (*Zea mays saccharata* L.). **International Journal of Research in Agronomy**, 7(6): 235-238.
 159. Patel K. U., Macwan S. J., Sakure A. A. and Chaudhary K. B. (2024). Effect of seed hardening and foliar application of growth substances on morpho-biochemical parameters of Groundnut (*Arachis hypogaea* L.). **International Journal of Environment and Climate Change**, 14(8): 59-75.
 160. Patel K. U., Macwan S. J. and Thounaojam A. S. (2024). Seed Hardening, Foliar Spraying and their Combined Effect on Yield and Yield Attributes of Groundnut (*Arachis hypogaea* L.) in Different Seasons. **Journal of Experimental Agriculture International**, 46(12): 333-343.
 161. Patel K. U., Macwan S. J., Bhanvadia A. S. and Ghadiali J. J. (2024). Impact of seed hardening and foliar application of growth substances on morphological parameters of Groundnut (*Arachis hypogaea* L.). **International Journal of Plant & Soil Science**, 36(8): 113-123.
 162. Patel K., Leva R. L., Patel H. K., Genan H., Modh M. B., Bhavsar A. and Patel S. P. (2024). Enhancing sorghum nutrition through agronomic fortification with zinc and iron. **International Journal of Research in Agronomy**, 7(11): 479-484.
 163. Patel M. J., Panchal B. H., Thounaojam A. S., Zala K. P. and Baria V. K. (2025). Response of Levels of Nitrogen and Row Spacing on Growth and Leaf Yield of Palak (*Beta vulgaris* var. bengalensis) var. Arka Anupama. **International Journal of Plant and Soil Science**, 37(1): 81-87.
 164. Patel M. K. and Ranganathswamy M. (2024). Efficacy of organic inputs and bio-agents against *Colletotrichum truncatum* causing anthracnose of black gram (*Vigna mungo* L. Hepper). **Plant Archives**, 24(2): 32-33.
 165. Patel M. P., Satodiya B. N., Patel K. V., Baldaniya N. and Parmar P. M. (2024). Effect of Organic Sources of Nitrogen on Growth, Yield, Quality and Economics of Vegetable Cluster Bean (*Cyamopsis tetragonoloba* L.) in Organic Farming. **International Journal of Plant & Soil Science**, 36(1): 10-16.
 166. Patel M. Y., Thumar R. K., Maru A. K. and Prajapati A. (2025). Pathogenicity of root-knot nematode, *Meloidogyne incognita* infecting cucumber under protected cultivation. **Biological Forum an international journal**, 17(3): 61-65
 167. Patel M. Y., Thumar R. K., Singh T. and Parmar D. J. (2024). Management of root-knot nematodes (*Meloidogyne* spp.) using biofumigation crops in cucumber under protected cultivation. **International Journal of Advanced Biochemistry Research**, 8(12): 61021-1024.
 168. Patel N. A., Acharya R. R., Pandya M. M., Kathiria K. B., Gohil D. P., Patel J. N. and Joshi V. I. (2024). Development of ovoid shaped and high yielding novel variety 'Anand Roma' in tomato (*Solanum lycopersicum* L.). **International Journal of Advanced Biochemistry Research**, 8(7): 198-204.
 169. Patel N. B., Acharya R. R., Patel D. A., Parmar H. K., Macwana S. M. and Patel N. J. (2024). Variability and character association for seed yield and yield contributing traits in sesame (*Sesamum indicum* L.). **International Journal of Advanced Biochemistry Research**, 8(12): 1081-1086.





170. Patel N. B., Acharya R. R., Patel D. A., Parmar H. K., Macwana S. S. and Patel N. J. (2024). Genetic variability, trait association and path coefficient analysis for yield and yield attributing traits in sesame (*Sesamum Indicum* L.). **International Journal of Advanced Biochemistry Research**, 8(10): 574-579.
171. Patel N. D., Shukla X. U., Patel H. K. and Parmar D. J. (2024). Pre-harvest Forecasting of Paddy Yield Based on Weather Parameters Using Different Statistical Methods for Middle Gujarat. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(3): 383-387.
172. Patel P. M., Varma C. B., Pandya M. M. and Kalasariya R. L. (2024). Screening of different genotypes / cultivars of okra against fruit borer, *Helicoverpa armigera* infesting okra. **International Journal of Advanced Biochemistry Research**, 8(8): 328-331.
173. Patel R., Memon J., Kumar S., Patel D. A., Sakure A. A., Patel M. B. and Das A. (2024). Genetic diversity and population structure of maize (*Zea mays* L.) inbred lines in association with phenotypic and grain qualitative traits using SSR genotyping. **Plants**, 13(6): 823.
174. Patel R., Menon J., Kumar S., Nóbrega M. B. M., Patel D. A., Sakure A. A. and Vaja M. B. (2024). Modern day breeding approaches for improvement of castor. **Heliyon**, 10(5): e27048. DOI: 10.1016/j.heliyon.2024.e27048.
175. Pathan N. P. and Sisodiya D. B. (2024). Effect of insecticides on incidence of stem Fly, *Melanagromyza Sojae* (Zehntner) in summer black gram. **Pesticide Research Journal**, 36(2): 116-121.
176. Patoliya D. B., Kadam G. L., Mor V. B., Bhanvadia A. S. and Viradiya M. B. (2024). Effect of sowing time on varieties of summer groundnut. **International Journal of Research in Agronomy**, 7(5): 07-12.
177. Patoliya S. V. and Patel P. M. (2024). Effect of different organic sources of nutrients on growth parameters of organic summer green gram. **International Journal of Research in Agronomy**, 7(10): 789-781.
178. Patoliya S. V. and Patel P. M. (2024). Influence of different organic sources of nutrients on yield attributes of summer green gram. **International Journal of Research in Agronomy**, SP-7(10): 545-548.
179. Pavan J. S., Patel N. B., Raghunandan B. L., Baldaniya A. M. and Bhatt N. A. (2024). Comparative efficacy of nucleopolyhedrovirus (NPV) alone and in conjunction with chemical insecticides against fall armyworm, *Spodoptera frugiperda* (J. E. Smith) (Noctuidae: Lepidoptera) under laboratory conditions. **International Journal of Tropical Insect Science**, 44(3): 1475-1486.
180. Pavan J. S., Patel N. B., Raghunandan B. L., Rudra Gouda M. N., Ahmed A. M. and Saleh A. (2024). Natural occurrence, infection dynamics, and molecular characterization of nucleopolyhedrovirus (*SpfrNPV*) infecting fall armyworm, *Spodoptera frugiperda* (J. E. Smith) from maize ecosystems in Gujarat, India. **Journal of King Saud University -Science**, 36(7): 103274.
181. Pavan J. S., Patel N. B., Rajarushi C. N., Rudra Gouda M. N. and Raghunandan B. L. (2024). Exploring the influence of weather parameters on natural nucleopolyhedrovirus (NPV) infection in fall armyworm, *Spodoptera frugiperda* (J.E. Smith) larvae in maize ecosystems. **Journal of Entomological Research**, 48(3): 310-316.
182. Pavan J. S., Raghunandan B. L., Patel N. B., Rajarushi C. N., Raiza Nazrin M. R. and Ishwarya L. K.





- S. (2024). Baculoviruses in integrated pest management of fall armyworm (*Spodoptera frugiperda*) (Lepidoptera: Noctuidae): Structure, classification and application. **Journal of Advances in Biology and Biotechnology**, 27(9): 261-271.
183. Pawar N. B., Ranganathswamy M., Rathava A., Patel H. C., Dabhi M. R. and Varma C. B. (2024). Management of *Cercospora* leaf spot in okra through organic inputs. **Plant Archives**, 25(1): 2367-2372.
184. Pipaliya R., Basaiawmoit B., Sakure A. A., Maurya R., Bishnoi M., Kondepudi K. K., Singh B. P., Paul S., Liu Z., Sarkar P., Patel A. and Hati S. (2024). Peptidomics-based identification of antihypertensive and antidiabetic peptides from sheep milk fermented using *Limosilactobacillus fermentum* KGL4 MTCC 25515 with anti-inflammatory activity: *In silico*, in vitro, and molecular docking studies. **Frontiers in Chemistry**, 12: 1389846. DOI: 10.3389/fchem.2024.1389846.
185. Pipaliya R., Basaiawmoit B., Sakure A. A., Maurya R., Bishnoi M., Kondepudi K. K., Singh B. P., Paul S., Liu Z., Sarkar P., Patel A. and Hati S. (2024). Production and characterization of anti-hypertensive and anti-diabetic peptides from fermented sheep milk with anti-inflammatory activity: In vitro and molecular docking studies. **Journal of the Science of Food and Agriculture**, 104(5): 2345-2355.
186. Pipaliya R., Basaiawmoit B., Sakure A., Maurya R., Bishnoi M., Kondepudi K., Tiwary B., Mankad M., Patil G., Gawai K., Sarkar P. and Hati S. (2025). Peptidomics and molecular dynamics on bioactive peptides produced and characterized from the fermented whey of "Panchali" sheep of West India. **Food Chemistry**, 468: 142466. DOI: 10.1016/j.foodchem.2024.142466.
187. Pradhan A. S., Pandya M. M., Acharya R. R. and Patel V. P. (2024). Heritability and genetic advance studies in brinjal (*Solanum melongena* L.). **International Journal of Advanced Biochemistry Research**, 8(10): 166-171.
188. Prajapati A. B., Thumar R. K., Singh T. and Patel M. Y. (2025). Estimation of avoidable yield loss caused in capsicum due to root-knot nematodes (*Meloidogyne* spp.) in polyhouse. **International Journal of Advanced Biochemistry Research**, 9(4): 09-11.
189. Prajapati B. J., Parma J. K., Patel S. H. and Paragi N. S. (2024). Ground Water Quality Assessment of Different Villages of Kheda District of Gujarat. **India Asian Journal of Soil Science and Plant Nutrition**, 10(1): 109-119.
190. Prajapati H. N., Barad A. H. and Patel J. V. (2024). Bio-efficacy of botanicals against powdery mildew of fenugreek. **Plant Archives**, 24(2): 2396-2400.
191. Prajapati H. N., Barad A. H. and Patel J. V. (2024). Bio-efficacy of ready mix fungicides against powdery mildew of fenugreek. **International Journal of Advanced Biochemistry Research**, 8(8): 755-759.
192. Prajapati M. R. and Maru A. K. (2025). Mass Production of Native Isolate of Entomopathogenic Nematode, *Steinernema* sp. (AAU St- 1). **Progressive Research: An International Journal**, 20(1): 28-31.
193. Prajwal C. S., Patel P. M., Manjunatha G. T. and Rathod N. D. (2025). Nitrogen management through different organic sources in finger millet under organic condition. **International Journal of Research in Agronomy**, 8(1): 89-93.
194. Pratibha, Patil G. B., Patel R., Yadav A., Patel K. V. and Kumar S. (2024). GWAS for root yield and its contributing traits in *Withania somnifera* (L.) dunal: First report. **Industrial Crops and Products**, 222(3): 119782. DOI: 10.1016/j.indcrop.2024.119782.





195. Pratibha, Yadav A., Rahevar P., Patil G., Patel K. V. and Kumar S. (2024). Assessment of G × E interaction and stability parameters for quality, root yield and its associating traits in ashwagandha [*Withania somnifera* (L.) Dunal] germplasm lines. **Industrial Crops & Products**, 208: 117792.
196. Prem Kumar B, Basak B. B., Patel V. J., Senapati Nimai, Ramani V. P., Gajbhiye N. A., Kalola A. D. (2024). Enriched soil amendments influenced soil fertility, herbage yield and bioactive principle of medicinal plant (*Cassia angustifolia* Vahl.) grown in two different soils. **Heliyon**, 10(3): e24874. DOI: 10.1016/j.heliyon.2024.e24874.
197. Rahevar H. D., Bhanvadia A. S., Mor V. B., Panchal P. S. and Makwana S. N. (2024). Response of integrated nutrient management on growth and yield character of *Bt.* cotton-groundnut cropping sequence. **International Journal of Research**, 7(5): 38-45.
198. Rahevar H. D., Bhanvadia A. S., Mor V. B., Panchal P. S. and Parmar J. K. (2024). Economics of *Bt.* cotton-groundnut cropping sequence as influenced by integrated nutrient management. **International Journal of Research in Agronomy**, 7(5): 34-37.
199. Rajadhipya K. S., Macwan S. J., Patel N. J. and Bhanvadia A. S. (2024). Impact of plant growth retardants and detopping on growth parameters in soyabean (*Glycine max* L. Merrill). **Asian Journal of Soil Science and Plant Nutrition**, 10(4): 310-322.
200. Ram B., Gaur M. L., Patel G. R. and Tiwari M. (2024). Deriving location-specific synthetic seasonal hyetographs using GPM records and comparing with SCS curves. **Journal of Water and Climate Change**, 15(2): 747-758.
201. Ram T. and Bansal R. (2024). A Comparative study of Socio-Economic profile of Contract and Non-Contract Papaya Growers in Middle Gujarat Region. **Asian Journal of Agricultural Extension, Economics and Sociology**, 42(6): 460-465.
202. Ramani N., Patil K. and Suthar K. J. (2025). Effect of different pre-sowing seed treatment on field emergence, plant growth and seed yield parameters of durum wheat (*Triticum durum* desf.) under field conditions. **International Journal of Agriculture and Plant Science**, 7(2): 38-42.
203. Rangapara D. J., Gupta P., Jethva K. R., Salunkhe R. C., Dabhi K. L and Shakya H. B. (2024). Development of battery-operated vehicle for crop row detection. **International Journal of Agriculture Sciences**, 16(4): 13201-13207.
204. Rathava A., Math, R. S. and Dabhi, M. R. (2024). Field evaluation of fungicides for the management of powdery mildew in okra. **Journal of Mycological of Research**, 62(3): 567-571.
205. Rathod D. J. and Sharma A. K. (2024). Effect of different blanching methods on ascorbic acid and colour value for Aonla segments and shreds. **International Journal of Advanced Biochemistry Research**, 8(7): 495-498.
206. Rathod D. M., Patel J. B. and Vinaykumar H. M. (2024). Direct, total indirect and substantial effects between profile of the young practicing farmers and their AIT association. **International Journal of Agriculture Extension and Social Development**, 8(1): 423-424.
207. Rathod N. K., Parmar R. G., Sandipan P. B., Chauhan Y. B., Bhabhor G. K., Parmar S. G. and Verma H. S. (2024). Cultural and morphological variability of isolates of *Alternaria* causing blight. **Progressive Research: An International Journal**, 19(Special Issue): 466-467.





208. Rathod N. K., Parmar R. G., Sandipan P. B., Chauhan Y. B., Bhabhor G. K., Parmar S. G. and Verma H. S. (2024). Detection of *Alternaria burnsii* in cumin seeds. **Progressive Research: An International Journal**, 19(Special Issue): 464-465.
209. Rathod P. K., Gohil D. P., Karmata R. S. and Dudhatra K. N. (2024). Appraisal of genetic parameters and character association for fodder yield and its related characteristics in fodder cowpea [*Vigna unguiculata* (L.) Walp.]. **International Journal of Statistics and Applied Mathematics**, 9(1): 121-126.
210. Rathod S. V., Bhanvadia A. S. and Viradiya M. B. (2024). Irrigation scheduling based on intelligent strategies to enhance crop yield and water conservation: An un-depth analysis. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(4): 379-387.
211. Rathod S. V., Patel K. C., Parmar J. K. and Bhanvadia A. S. (2024). Efficacy of potassium schoenite as indigenous source of potassic fertilizer for potato crop grown in Western India. **Journal of Plant Nutrition**, 48(4): 639-657.
212. Rathva V. D., Makwana R. J. and Panchal B. H. (2024). Influence of bio-fertilizer and bio-stimulants on growth and yield of onion (*Allium cepa* L.) under middle Gujarat. **International Journal of Advanced Biochemistry Research**, 8(9): 315-318.
213. Rathva V. D., Patel K. M., Jethva B. A., Solanki P. P., Chaudhari U. C. and Makwana R. J. (2024). Revolutionary performance of bio-stimulants and method of application on growth, yield and quality of onion (*Allium cepa* L.). **International Journal of Advanced Biochemistry Research**, 8(10): 852-855.
214. Raval A. T., Sisodiya D. B. and Kalola A. D. (2025). Seasonal incidence of invasive thrips, *Thrips parvispinus* (Karny) infesting chilli. **International Journal of Advanced Biochemistry Research**, 9(1): 532-537.
215. Raval A. T., Sisodiya D. B., Parmar R. G., Thumar R. K. and Patel N. B. (2025). Survey on invasive thrips, *Thrips parvispinus* (Karny) infesting chilli in Anand district. **International Journal of Advanced Biochemistry Research**, 9(1): 524-531.
216. Raval C. H., Satodiya B. N. Paradva D. R. and Patel A. J. (2024). Influence of INM on yield, quality of Potato and soil status. **International Journal of Plant and Soil Science**, 36(11): 301-310.
217. Raval C. H., Satodiya B. N., Patel A. J. and Paradva D. R. (2024). Effect of integrated nutrients management on growth and yield of potato cv. Kufri Kyati. **International Journal of Advanced Biochemistry Research**, 8(11): 814-817.
218. Raval C. H., Satodiya B. N. Patel A. J. and Parekh D. D. (2024). Effect of Organic Sources of Nutrients on Yield, Quality, Soil Fertility Status and Economics of Onion (*Allium cepa* L.) **International Journal of Plant & Soil Science**, 36(5): 613-620.
219. Ravat A. L., Patil K., Acharya R. R. and Patel J. N. (2024). Effect of growing methods on seed yield and quality in tomato Var. GAT 5. **International Journal of Advanced Biochemistry Research**, 12(2): 1185-1189.
220. Sakariya P., Sakure A. A., Kumar S., Rojasara Y. and Vaja M. B. (2024). Identification of candidate genes through comparative proteomics profiling under root knot nematode infection in *Nicotiana tabacum* L. **South African Journal of Botany**, 169(2): 155-163.



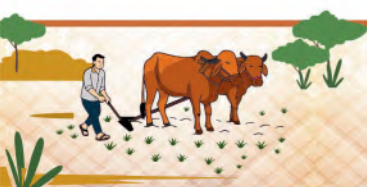


221. Samantaray S. K., Vihariya P., Mishra P. J., Khuntia A., Satapathy S. K. and Mohanty S. (2024). Are mobile advisory and face-to-face communication effective for enhancing the capabilities of farmers-evidence from farm science centre. **International Journal of Agriculture Extension and Social Development**, 7(10): 24-30.
222. Sampath L., Patel M. P., Sushil Kumar, Singh A. J., Sakure A. A. and Pandya M. (2024). Identification of elite genotypes through morpho-biochemical and molecular characterization of turmeric (*Curcuma longa* L.). **South African Journal of Botany**, 166(1): 161-168.
223. Santhoshini C. N. R., Jagadeeswari V. V., Makwana R. J., Pradhan R., Burdak M., Padi M., Nagaraju V. and Rathod T. (2024). A Comprehensive Review on Edible Flowers: The Sustainable Solution for Food Security and Nutrition. **European Journal of Nutrition and Food Safety**, 17(3): 127-143.
224. Savdhariya S. J., Patel M. J., Nanavati J. I. and Makavana P. C. (2024). Effect of multi-micronutrients mixture on fruit yield and soil parameters of sapota [*Manilkara achras* (mill.) Fosberg] cv. Lalipati. **Biological Forum-An international Journal**, 16(12): 93-97.
225. Savdhariya S. J., Patel M. J., Parmar A. B. and Makavana P. C. (2024). Response of multi-micronutrients mixture on fruit quality of sapota cv. Kalipatti, **International Journal of Advanced Biochemistry Research**, 8(12): 1255-1258.
226. Shah S. N., Chaudhari V. D., Shroff J. C., Patel V. J. and Patel A.P. (2024). Nutrient Management Through Organic Sources in Chickpea. **Legume Research-An International Journal**, Doi:10.18805/LR-5165.
227. Shah S. N., Patel A. P. and Patel H. K. (2024). Nutrient Management Through Organic Sources in Summer Green Gram. **Legume Research-An International Journal**, DOI: 10.18805/LR-5320.
228. Shakya H. B., Sudhir V., Jadeja G., Thorat G. N. and Yaduvansi B. K. (2024). Ergonomic evaluation of sickles used by farmers for wheat harvesting in Bhal region of Gujarat, **Tijer-International Research Journal**, 11(9): 2349-2354.
229. Shakya H. B., Vinzuda S., Thorat G. N. and Rangapara D. J. (2024). Cost Effective Implements for Small Wheat Farmers in Bhal Region of Gujarat, **Biological Forum-An International Journal**, 16(8): 275-279.
230. Shukla A. K., Behera S. K., Kumar P., Mishra R., Shukla V., Pachauri S. P., Sikania Y., Srivastava P., Sikarvar A., Kumar D. and Dutta S. P. (2024). Available nutrients, spatial variability, PCA, fuzzy clustering, sit-specific nutrient management. **Land Degradation and Development**, 0:1-18.
231. Singh N. A., Dabhi M. R., Rojasara Y. M. and Varma C. B. (2024). Feeding potential ladybird beetle, *Cheilomenes sexamaculata* (Fab.) on different species of aphids. **International Journal of Biochemistry Research**, 8(1): 512-514.
232. Singh P., Basak B. B., Patel V. J., Sarkar R., Patel K. C. and Motaka G. N. (2024). Integration of biochar with chemical fertilizers improves the economic yield, quality of Holy Basil (*Ocimum Sanctum* L.) and soil health. **Journal of Soil Science and Plant Nutrition**, 24(4): 6404–6417.
233. Sipai S. A., Zala M. B. and Patel T. R. (2024). Utilizing pattern of information communication technology tools by the farmers. **International Journal of Statistics and Applied Mathematics**, 9(6): 156-159.
234. Sodhaparmar H. R., Shukla Y. M., Dhruve J. J., Patel N. A. and Bedse T. J. (2024). Identification of simple sequence repeats (SSRS) for TLCV resistance in tomato (*Solanum lycopersicum* L.) **International Journal of Advanced Biochemistry Research**, 8(1): 173-184.





235. Solanki B. J., Dabhi M. R., Borad C. K., Sisodiya D. B. and Parmar D. J. (2024). Biodiversity of predatory coccinellids from different crop ecosystem of middle Gujarat. ***International of Advanced Biochemistry Research***, 8(12): 859-864.
236. Solanki B. J., Dabhi M. R., Parmar D. J. and Sisodiya D. B. (2024). Relative toxicity of ready-mix insecticides against predatory coccinellids, *Cheilomenes sexmaculata*. ***International of Advanced Biochemistry Research***, 8(12): 783-788.
237. Solanki D. P. S. and Masu M. M. (2024). Effect of irrigation on fruit quality parameters of mango var. Mallika. ***International Journal of Research in Agronomy***, 7(11): 449-452.
238. Solanki D. P. S. and Masu M. M. (2024). Effect of irrigation on fruit yield attributing characters of mango var. Mallika. ***International Journal of Advanced Biochemistry Research***, 8(11): 825-828.
239. Solanki P. P., Sitapara H. H., Patel P. K. and Rathva V. D. (2024). Effect of mulching materials and organic sources of nutrients on yield, quality and economics of turmeric (*Curcuma longa* L.) var. Sugandham. ***International journal of Advanced Biochemistry Research***, 8(9): 343-347.
240. Solanki U. B., Shukla Y. M., Chauhan B. P., Dhruv J. J. and Patel N. J. (2024). Biochemical changes in chilli (*Capsicum annum* L.) leaves infected with chilli leaf curl virus (CLCV). ***International Journal of Advanced Biochemistry Research***, 8(7): 617-626.
241. Sreedhar B. K., Thumar R. K., Sisodiya D. B. and Mohapatra A. (2025). Arthropod Diversity and Succession of insect pests in black gram ecosystem. ***Asian Journal of Advances in Agricultural Research***, 25(3): 63-73.
242. Sreedhar B. K., Thumar R. K., Sisodiya D. B. and Naziya P. P. (2025). Field Efficacy of Ready-Mix insecticides against insect pests infesting black gram. ***Research Journal of Agricultural Sciences***, 16(2): 174-179.
243. Suthar K. J. and Bhatt J. P. (2024). Rust resistant and high yielding durum wheat genotype: Gujarat Wheat 1353 (GW 1353). ***Journal of Cereal Research***, 16(3): 331-335.
244. Suthar M. D., Varma C. B. and Borad P. K. (2024). Evaluation of insecticides against leaf eating caterpillar in drumstick. ***International Journal of Advanced Biochemistry Research***, 8(8): 176-183.
245. Suthar Y. M., Gohel N. M. and Patel N. B. (2024). Influence of abiotic factors on *in vitro* growth of indigenous *Trichoderma* isolates of Gujarat. ***International Journal of Advanced Biochemistry Research***, 8(12): 895-899.
246. Thakor D. I., Gaur M. L., Tiwari M. K., Patel G. R., Kalola A. D., Balas D. B. and Trivedi M. M. (2024). Estimation of Wheat Crop Evapotranspiration from Meteorological Dataset for Anand, India. ***International Journal of Environment and Climate Change***, 14(12): 675-684.
247. Thorat S. S., Gangwar R. K. and Sisodiya D. B. (2024). Gene pyramiding an advanced approach for disease management in rice: A review. ***Innovations in Agriculture***, 7: 1-12.
248. Thorat S. S., Sisodiya D. B. and Gangwar R. K. (2024). Impact of weather parameters on incidence of green leaf hopper in rice. ***Biological Forum-An International Journal***, 16(11): 112-114.
249. Thorat S. S., Sisodiya D. B. and Gangwar R. K. (2025). Morphological and Biochemical basis of Resistance against Leaf folder in Rice. ***Multilogic in Science***, 15(53): 177-186.





250. Thounaojam A. S. and Macwan S. J. (2024). Differential seed germination responses of Ashwagandha seed collected at different time period. **International Journal of Agriculture, Environment and Biotechnology**, 17(03): 637-643.
251. Thounaojam A. S., Patil G. B., Patel K. V. and Prajapati R. (2025). Comparative Three Years Field Study of Planting Material Generated Through Tissue Culture and Conventional Fasciculated Root of Safed Musli. **Journal of Experimental Agriculture International**, 47(1): 404-416.
252. Trivedi N. P., Sisodiya D. B., Raghunandan B. L., Patel N. B., Thumar R. K. and Parmar R. G. (2024). Toxicity of insecticides to pollinators in cucumber vis-à-vis tolerant gut microbiota of *Apis dorsata* Fabricius. **Pesticide Research Journal**, 36 (1): 68-73.
253. Vadher K. R., Sakure A. A., Mankad P. M., Rawat A., Bishnoi M., Kondepudi K. K. and Hati S. (2025). A comparative study on antidiabetic and antiinflammatory activities of fermented whey and soy protein isolates and the release of biofunctional peptides: an in vitro and *in silico* studies. **Journal of the Science of Food and Agriculture**, 105(7): 3826-3842.
254. Vadodaria H. K., Patidar D. R., Kumar S., Parmar D. J. and Patel N. A. (2024). Genetic Diversity and Association Studies in Asian Cotton (*Gossypium arboreum* L.). **Biological Forum – An International Journal**, 16(12): 06-12.
255. Vadodaria H. K., Patidar D. R., Kumar S., Patel D. A. and Patel H. (2024) Characterization of desi cotton (*Gossypium arboreum*) germplasm through morpho-biochemical and fiber traits and exploring molecular marker based diversity along with allied (un)cultivated *Gossypium* species. **CABI Agriculture and Bioscience**, 5:111. <https://doi.org/10.1186/s43170-024-00314-2>.
256. Vaidya V. B., Lunagaria M. M. and Suvarna D. (2025). Impact of Monsoonal Rainfall Patterns on Kharif Crop Productivity in Gujarat, India: A Machine Learning Approach. **International Journal of Environment and Climate Change**, 15(5): 159-72.
257. Vala J. R., Gudadhe N. N., Patel D. K., Makwana S. N. and Gami M. R. (2024). Biofortification of zinc, iron, arbuscular mycorrhiza and trichoderma on quality parameters and available soil nutrient status in soil of maize. **International Journal of Research in Agronomy**, 7(12): 680-682.
258. Varma H. S., Patel M. B., Parmar P. K., Rathod D. M. and Patel K. H. (2024). Screening of maize genotypes for their resistance against *Turcicum leaf blight* (*Exserohilum turcicum*) in maize. **International Journal of Research in Agronomy**, 7(7): 707-710.
259. Vasani M. J. and Lunagaria M. M. (2024). Influence of growing environments on growth, phenology and fruit yield of tomato in semi-arid climate of Anand district of middle Gujarat region. **International Journal of Environment and Climate Change**, 14(8): 627-634.
260. Vasava D. and Gohel N. M. (2024). Eco-friendly management of Alternaria leaf blight of sunflower caused by *Alternaria helianthi* (Hansford) E. G. Simmons. **International Journal of Advanced Biochemistry Research**, 8(8): 1095-1102.
261. Vasava N. M., Shroff J. C., Shah S. N. Parmar P. M. and Dohat M. P. (2024). Growth, Yield and Quality of Linseed under Replacement Series in Legume Intercropping System. **International Journal of Plant & Soil Science**, 36(5): 173-181.





262. Vasava N. M., Shroff J. C., Shah S. N., Panchal P. S. and Parmar P. M. (2024). Effect of Legume-Legume Replacement Series of Intercropping System on Growth, Yield and Quality of Chickpea. **Journal of Experimental Agriculture International**, 46(4): 56-67.
263. Yadav A., Rahevar P., Patil G., Patel K. and Kumar S. (2024). Assessment of G×E interaction and stability parameters for quality, root yield and its associating traits in ashwagandha [*Withania somnifera* (L.) Dunal] germplasm lines. **Industrial Crops and Products**, 208(2): 117792. DOI: 10.1016/j.indcrop.2023.117792.

B National Journal

264. Akshay R. B., Parihar A., Vaja M. B., Patil G. B., Parmar D. J., Kumar K. C. and Sanketh U. A. (2025). The Study of Floral Biology in Wild and Cultivated Species of Cotton (*Gossypium* spp.). **Indian Journal of Plant Genetic Resources**, 38(01): 64-72.
265. Aniruddha A. T. R., Sisodiya D. B., Italiya J. V., and Raj P. (2025). SPLAT: Cutting edge techniques for sustainable pest management. **Insect Environment**, 28(1): 24-31.
266. Anitha V. and Kalasariya R. L. (2024). Efficacy of insecticides against diamond back moth, *plutella xylostella* infesting cauliflower. **Indian Journal of Entomology**, DOI:10.55446/IJE.2024.2281
267. Bansal R. and Shaikh A. S. (2024). Agricultural Labour dynamics in Gujarat: A comparative study of tribal and non-tribal districts. **Gujarat Journal of Extension Education**, 38(1): 29-34.
268. Baraskar S. S., Parmar M. B., Sakure A. A. and Rathva R. D. (2024). Estimation of genetic variability parameters for yield, yield-related attributes and biochemical parameters and molecular marker-based genetic diversity in rice germplasm. **Plant Archives**, 24(2): 2479-2485.
269. Barvaliya P., Patil G., Phurailatpam A., Patel A. and Mankad M. (2025). An efficient micropropagation protocol for an economically valuable medicinal plant *Kaempferia parviflora* Wall. Ex Baker. **Research Journal of Biotechnology**, 20(3): 138-149.
270. Bera K. M., Patil K., Pandya M. M., Patel D. A. and Jadav M. J. (2024). Effect of Agronomic Factors on Seed Yield and Quality in Brinjal (*Solanum melongena* L.). **Journal of Advances in Biology & Biotechnology**, 27(12): 817- 828.
271. Bhadani M. N. and Ranganathswamy Math (2024). Chemical Control of *Alternaria* and *Corynespora* Leaf Spot Complex in Cotton. **Journal of Mycology and Plant Pathology**, 54 (3): 39-40.
272. Bhimani U. H. and Gohel N. M. (2024). Management of *Alternaria* leaf spot of ashwagandha through eco-friendly inputs. **Journal of Eco-Friendly Agriculture**, 19(1): 175-178.
273. Chaudhari D. D., Patel V. J., Patel H. K. and Patel B. D. (2024). Complex weed flora management through herbicides in nursery and transplanted onion. **Indian Journal of Weed Science** 56(1): 52-58.
274. Chaudhary H. L., Shah, N. I. and Dabhi D. M. (2024). Effect of Green Manures, Biofertilizers and vermicopost on Quality Parameters of Sapota [*Manilkara achras* (Mill.) Fosberg] cv. Kalipatti. **Indian Journal of Ecology**, 51(3): 570-574.
275. Chaudhary Y. J., Patel D. A., Patel N. A. and Patel K. C. (2024). Combining ability analysis for fruit yield and its contributing traits in tomato (*Solanum lycopersicum* L.). **Biological Forum-An International Journal**, 16: 123-134.



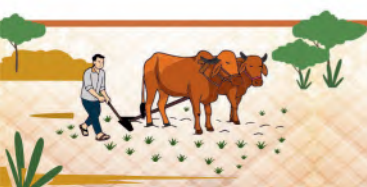


276. Chauhan N. R. and Borad C. K. (2024). Monitoring of fall army worm *Spodoptera frugiperda* (J E Smith). **Indian Journal of Entomology**, DOI:10.55446/IJE.2024.1722
277. Chauhan N. R. and Borad C. K. (2024). Trapping efficacy of commercial sex pheromone lures against Fall armyworm, *Spodoptera frugiperda* (JE Smith). **Pesticide Research Journal**, 36(2): 161-165.
278. Damor A. S., Patel J. N., Patil K. and Mungra K. D. (2024). Combining ability analysis for grain yield and its component traits in pearl millet (*Pennisetum glaucum* L. R. Br.). **Plant Archives**, 24(2): 621-627.
279. Deepak C., Patel H. C., Raghunandan B. L., Prajapati N. G. and Patel N. B. (2024). Effect of adjuvants on growth and spore attributes of *Metarhizium anisopliae* (Metsch.) Sorokin. **Journal of Biological Control**, 38(3): 268-275.
280. Desai J. D., Patel S. R. and Patel H. K. (2024). Perception of farmers towards organic farming. **Gujarat Journal of Extension Education**, 37(1): 138-141.
281. Desai J. D., Patel S. R. and Patel H. K. (2024). Perception of farmers towards organic farming. **Gujarat Journal of Extension Education**, 38(1): 138-141.
282. Desai J. D., Patel S. R. and Patel H. K. (2024). Relationship between profile of farmers and their perception about organic farming. **Gujarat Journal of Extension Education**, 37(1): 101-104.
283. Desai S. G., Rojasara Y. M. and Bhimani P. C. (2024). Non-pathogenic fusarium strains as a biocontrol agent. **Agriculture & food e-Newsletter**, 6(1): 373-375.
284. Desai S. G., Rojasara Y. M., Dabhi M. V. and Suthar Y. M. (2024). Study on cultural, morphological and pathogenic variability among the isolates of *Pythium aphanidermatum*. **Plant Archives**, 24(2): 1163-1168.
285. Devi G. and Shaikh A. S. (2024). Economic impact evaluation and factors affecting the decision of farmers for adoption of GAR-13 variety of rice, **Gujarat Journal of Extension Education**, 37(1): 163-169.
286. Dhameliya M. P., Shelat H. N., Jhala Y. K. and Mehta P. V. (2024). Sulphur oxidizing bacteria to boost up mustard (*Brassica Juncea* L.) growth and biomass yield. **Annals of Plant and Soil Research**, 26(2): 234-242.
287. Dodiya R. D. and Barad A. H. (2024). Nature's architects: exploring the biology, behavior, and pollination impact of mason bees. **Acta Scientific Agriculture**, 8(8): 01-04.
288. Dudhatra K. N., Patel M. P. and Pandya M. M. (2024). Elucidation of gene action and estimation of combining ability effects for fruit yield attributes and biochemical traits in brinjal (*Solanum melongena* L.). **Electronic Journal of Plant Breeding**, 15(3): 612-620.
289. Gawai M. P., Patel B. N., Parmar D. J., Acharya R. R., Pandya M. M. and Kalyanrao P. (2024). Genetic Analysis for fruit yield and its contributing characters in okra (*Abelmoschus esculentus* L. Moench). **Mysore Journal of Agricultural Sciences**, 58(3): 133-148.
290. Ghetiya R. L. and Kalola A. D. (2024). Comparison of selection indices based on per cent relative efficiency in finger millet crop. **GAU Research Journal**, 48(3): 228-244.
291. Ghetiya R. L., Chandan G. Y., Kumari P., Asees N. C. K., and Pansuriya A. (2024). Price forecasting models for rice in West Bengal, India. **International Journal of Research in Agronomy**, 7(11): 183-188.





292. Halladakeri P., Macwana S., Patel K. V., Patel D. A., and Parmar D. J. (2024). Unveiling resistant sources and characterizing germplasm for effective management of yellow mosaic virus (YMV) disease in blackgram [*Vigna mungo* (L.) Hepper]. **Indian Phytopathology**, 77(1): 147-155.
293. Hansalia M. A. and Pali V. (2024). Assessment of genetic variability for morphological and nutritional traits in finger millet (*Eleusine coracana* L.). **Plant Archives**, 24(2): 2695-2699.
294. Jadav S. J., Patel J. K., Wadhwani K. N. and Chaudhary J. H. (2024). Knowledge level of dairy farmers about bovine tuberculosis as neglected zoonosis. **Indian Journal of Dairy Science**, 77(6): 571-577.
295. Jambukiya R. M., Patel B. C., Patel K. V. and Patel M. P. (2025). Exploring combining ability and gene action for seed yield and its component traits in pearl millet (*Pennisetum glaucum* (L.) R. Br.). **Plant Archives**, 25(1): 851-857.
296. Jani B. K., Gohil D. P., Sakure A. A., Patel M. P. and Parmar D. J. (2024). Appraisal of character association in fodder oat (*Avena sativa* L.). **Plant Archives**, 24(2): 2367-2372.
297. Jitarwal K., Patel V. J. and Patel A. P. (2024). Influence of irrigation and hydrogel on transplanted summer pearl millet [*Pennisetum glaucum* (L.) R. Br.]. **International Journal of Research in Agronomy**, 7(11S): 279-282.
298. Kadivar P. and Kalasariya R. L. (2025). Population dynamics of major insect pest of brinjal. **Indian Journal of Entomology**, DOI: 10.55446/IJE.2025.2456
299. Kalola A. D. and Bhuva R. R. (2024). Hectareage Prediction Models for Paddy Crop of Middle Gujarat. **Journal of the Indian Society of Agricultural Statistics**, 78(1): 27-34.
300. Kumari P., Chandan G. Y., Agarwal D., Joshi S. and Vekariya P. (2024). Combining predictive models: Hybrid approaches in crop recommendation systems. **International Journal of Research in Agronomy**, 7(11): 108-115.
301. Lakra M., Makwana R. J., Tiwari H., Subhasree S. J. and Mahesh P. (2024). *Tagetes minuta*: Natures Hidden Treasure for Bioactive Properties. **The agriculture magazine**, 4(2): 576-578.
302. Mahla J. S., Acharya R. R., Pandya M. M., Sushil K., Patel D. A. and Parmar D. J. (2025). Estimation of Heterosis and Inbreeding Depression for Fruit Yield Attributing Characters in Brinjal (*Solanum melongena* L.). **International Journal of Economic Plants**, 12(1): 01-08.
303. Mevada R. R., Parmar R. G., Nariya S. and Parmar D. M. (2024). Molecular variability among the isolates of seed-borne *Macrophomina phaseolina* infecting sesame seeds. **Journal of Mycology and Plant Pathology**, 1(4): 35-42.
304. Mishra S., Pandey P. and Pandya M. M. (2024). Phenotyping of okra germplasm for resistance to MM okra enation leaf curl disease and field evaluation of insecticides for its management. **Journal of Mycology and Plant Pathology**, 4(3): 304-316.
305. Mistry S. J. and Parmar R. G. (2024). Effect of different supplementations on growth and yield of oyster mushroom. **Mushroom Research**, 33(1): 79-83.
306. Naganaboina N. J. and Prajapati H. N. (2025). Assessment of allopathic and homeopathic treatments for inhibiting *Xanthomonas citri* pv *citri* in citrus canker management. **International journal of advanced biochemistry research**, 9(1): 256-260.





307. Padhihar A. K., Kumar D., Patel K. C. and Patel V. J. (2025). Efficacy of heavy metals-tolerant plant growth promoting Bacterial consortium for alleviating cadmium Toxicity in spinach. **Plant Archives**, 25(1): 1320-1325.
308. Pandey D. K., Srivastava P. K., Dave R., Setia R. K., Ompal, Sinha R., Sekhar M., Parmar M., Gupta S., Putrevu D., Mehra R., Ramanujam V., Bhattacharya B. K. and Kumar R. (2024) Operational 500 m surface soil moisture product using EOS-04 C-band SAR over Indian agricultural croplands. **Current Science**, 126(9): 1061-1068.
309. Parikh N. L., Patel J. B. and Usadadiya N. H. (2024). Correlation and regression analysis of women farmers' characteristics and their sensitivity towards effects of climate change on cereal crops. **Gujarat Journal Extension Education**, 38(2): 102-105.
310. Parmar H. V. and Gohel N. M. (2025). Antagonistic activity of *Panchagavya* and *Trichoderma* spp. against wilt complex causing pathogens of chickpea (*Cicer arietinum* L.). **Indian Journal of Agricultural Research**, 59(1): 153-157.
311. Parmar P. S., Patel K. C. and Patil G. B. (2025). Green Synthesis and Characterization of Fe Nanoparticles Using Neem (*Azadirachta Indica* L.) Leaves. **Asian Journal of Soil Science and Plant Nutrition**, 11(1): 18-24.
312. Parmar R. B., Patel K. C., Patel H. K. and Kadivala V. H. (2024). Forage Production and Quality of Lucerne (*Medicago Sativa* L.) Under Mineral Potassic Fertilization. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(3): 52-56.
313. Parmar R. G., Mistry S. J. and Parmar D. M. (2025). Optimization of growth media and light requirement for obtaining maximum biomass and yield of mushroom (*Cordyceps militaris*), **Annals of Phytomedicine**, 13(1): 1276-1279.
314. Patel A. L., Patel D. A., Patel R., Parmar D. J. and Patil K. (2024). Genotype × environment interactions and stability analysis for grain yield in pearl millet [*Pennisetum glaucum* (L.) R. BR.]. **Electronic Journal of Plant Breeding**, 15(2): 380-386.
315. Patel D., Prajapati H. N., Bhuva S. and Desai S. (2024). Harnessing novel endophytes to combat potato common scab. **International journal of advanced biochemistry research**, 8(10): 1200-1208.
316. Patel H. K., Patel V. J. and Chaudhari D. D. (2024). Effect of herbicides against *Phalaris minor* and other weeds in wheat under middle Gujarat condition. **Indian Journal of Weed Science**, 56(3): 258-262.
317. Patel H. K., Patel V. J. and Chaudhari D. D. (2024). Evaluating the effect of herbicide combinations and sequential applications for broad-spectrum weed control in wheat. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(4): 270-274.
318. Patel H., Devi G., Kumar M. and Karmur A. (2024). Benefits perceived by members and factors influencing membership of farmer producer organizations in middle Gujarat, **Indian Journal of Agricultural Marketing**, 38(2): 13-23.
319. Patel J. V. and Gohel N. M. (2024). Assessment of early blight resistance in Indian potato cultivars and associated biochemical changes during disease development. **Potato Journal**, 51(1): 109-117.
320. Patel M. R., Saini H. and Patel J. B. (2024). Technological gap among the farmers regarding recommended sorghum production technology. **Gujarat Journal of Extension Education**, 37(2): 58-67.





321. Patel M. Y., Thumar R. K., Maru A. K. and Prajapati A. B. (2025). Pathogenicity of root-knot nematode, *Meloidogyne incognita* infecting cucumber under protected cultivation. **Biological Forum**, 17(3): 61-65.
322. Patel N. D., Shukla X. U., Patel H. K. and Parmar D. J. (2024). Pre-harvest Forecasting of Paddy Yield Based on Weather Parameters Using Different Statistical Methods for Middle Gujarat. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(3): 383-387.
323. Patel N., Patil K., Pandya M. M., Patel N. A. and Kumari P. (2024). Effect of fruit retention and days to fruit maturity on seed yield and quality of okra (*Abelmoschus esculentus*). **Current Horticulture**, 12(2): 47-52.
324. Patel P. C., Desai J. D. and Bhatt J. H. (2024). Relationship Between the Inland Fish Farmers' Entrepreneurial Competence and Their Profile. Gujarat Journal of Extension Education. **Gujarat Journal of Extension Education**, 37(2): 20-25.
325. Patel V. J., Chaudhari D. D., Bhanvadia A. S., Patel H. K., Patel B. D. and Chaudhary N. N. (2024). Efficacy of herbicide mixtures on weed dynamics in direct-dry-seeded rice under irrigated condition. **Indian Journal of Weed Science** 56(2): 112-116.
326. Pathan N. P., Sisodiya D. B. and Dodiya R. D. (2024). Impact of intercropping with black gram on incidence of stem fly, *Melanagromyza sojae* (Zehntner) during the Kharif Season in Gujarat. **Indian Journal of Ecology**, 51(5): 1027-1030.
327. Pathan N. P., Sisodiya D. B., and Patel R. M. (2024). Significance of intercropping with black gram on incidence of stem fly, *Melanagromyza sojae* (Zehntner) in summer season. **Journal of Eco-friendly Agriculture**, 19(2): 405-410.
328. Pavan K. P., Satodiya B. N. and Solanki P. P., (2024). A comparative study of spacing and integrated nutrient management on growth, yield and economics of okra. **Journal of advances in Biology and Biotechnology**, 27(8): 1058-1065.
329. Pawar N. B., Ranganathswamy M., Rathava A., Patel H. C., Dabhi M. R. and Varma C. B. (2024). Management of cercospora leaf spot in okra through organic inputs. **Plant Archives**. 25(1): 2367-2372.
330. Piparava D., Pandey P., Parmar R. G., Singh S. K. and Parmar D. M. (2024). Characterization of pathogen associated with the banded leaf and sheath blight disease of maize in Gujarat, India. **Journal of Mycopathological Research**, 62(4): 707-711.
331. Prajapati D. D. and Gohel N. M. (2024). Efficacy of liquid organic manures against bacterial pathogen *Xanthomonas campestris* pv. *campestris* under *in-vitro* conditions. **Journal of Eco-Friendly Agriculture**, 19(1): 23-26.
332. Radadiya P. N., Saini H. and Zala S. (2024). Attitude of Students Towards Higher Education. **Gujarat Journal Extension Education**, 37(1): 148-151.
333. Ramani N., Patil K. and Pandya M. (2024). Effect of pre-sowing seed treatments on seed quality parameters of durum wheat (*Triticum durum* Desf.) under laboratory condition. **Journal of Cereal Research**, 16(2): 200-206.





334. Rathava A., Rangnathswamy M. and Dabhi M. R. (2024). Field Evaluation of fungicides for the management of Powdery Mildew in Okra. **Journal of Mycopathological Research**, 62(3): 567-571.
335. Rathod D. M., Damor C. B. and Patel M. B. (2024). Relationship between profile of tribal maize growers and their information management behavior. **Gujarat Journal of Extension Education**, 36(2): 68-71.
336. Rathod D. M., Damor C. B., and Desai J. D. (2024). Relationship between profile of the young practicing farmers and their Agricultural Information Technology Association. **Gujarat Journal of Extension Education**, 38(2): 81-86.
337. Rathod K. D., Patel M. J. and Chaudhary H. L. (2024). A comparative study of biofertilizers and bioinoculants on yield parameters, nutrient status and soil microorganisms of mango cv. Mallika in Middle Gujarat condition, **Journal of Advances in Biology and Biotechnology**, 27(12): 406-416.
338. Rathod S. V., Bhanvadia A. S. and Viradiya M. B. (2024). Irrigation scheduling based on intelligent strategies to enhance crop yield and water conservation: An in -depth analysis. **Agricultural Association of Textile chemical and Crotical Reviews Journal**, 12(4): 379-387
339. Rathod S. V., Patel K.C., Parmar J. K. and Bhanvadia A. S. (2024) Efficacy of potassium schoenite as indigenous source of potassic fertilizer for potato crop grown in Western India. **Journal of Plant Nutrition**, 48(3): 1-19.
340. Rathva A., Ranganathswamy M. and Dabhi M. R. (2024). Field Evaluation of Fungicides for the management of powdery mildew in okra. **Journal of Mycopathological Research**, 62(3): 41-42.
341. Rathwa M. S., Christian B. M. and Patel D. N. (2024). Relationship between farmers' profile and their social media utilization behaviour. **Gujarat Journal of Extension Education**, 37(1): 82-86
342. Ravat A. L., Patil K., Acharya R. R. and Patel N. A. (2024). Effect of foliar spray of different micronutrients on plant growth, seed yield and quality in tomato. **Seed Research**, 52(2): 120-123.
343. Saini H. and Boppana J. (2024). Perception of Farmers towards M-Kisan Initiative. **Journal of Scientific Research and Reports**, 30(10): 65-69.
344. Saini H. and Patel J. B. (2024). Unveiling entrepreneurial ability among girl students in agriculture faculty. **Gujarat Journal Extension Education**, 37(2): 125-131.
345. Saumya S., Trivedi A., Patil K. and Chaudhary K. (2024). Improving the Germination Performance of Kalmegh (*Andrographis paniculata* Wall. ex Nees) through Hydropriming, Halo-Priming and Osmopriming under Salinity Condition. **Journal of Scientific Research and Reports**, 30(10): 996-1003.
346. Senthilraja N., Sisodiya D. B., Priyadharshini V. and Srikala P. (2024). Shifting pest paradigms in Indian crops: A comprehensive review of emerging threats. **Madras Agricultural Journal**, 111(7-9): 85-92.
347. Shinde M. S., Rajgor K. V., Mistry S. and Waghunde R. R. (2025). Oyster mushroom (*Pleurotus sajor-caju* P112) cultivation in North Gujarat using various agricultural substrates, **Journal of Mycopathological Research**, 63(1): 141-145.





348. Singh P. and Patel M. R. (2024). Relationship between profile of the farmers and their attitude towards family farming. **Gujarat Journal Extension Education**, 38(1): 169-172.
349. Singh S. and Sharma A. K. (2024). Physical and chemical properties of custard apple and pulp related to drying. **Frontiers in Crop Improvement**, 12(2): 883-888.
350. Sondarava P. M., Patel M. B., Borkhatariya T. H., Parmar D. J., Akbari K. M. and Ghetiya R. L. (2025). Multi-trait selection in yellow kernel maize (*Zea mays* L.) genotypes using multi-trait genotype-ideotype distance index. **Plant Science Today**, 2(1): 1-8.
351. Sowjanya A., Makwana R. J., Kapare G., Jena S. S. and Sangeetha T. (2024). Peony: An Overview of Production Technology. **The agriculture magazine**, 4(2): 723-726.
352. Sreedhar B. K., Thumar R. K., Sisodiya D. B. and Mohapatra A. (2025). Arthropod Diversity and Succession of insect pests in black gram ecosystem. **Asian Journal of Advances in Agricultural Research**, 25(3): 63-73.
353. Sreedhar B. K., Thumar R. K., Sisodiya D. B. and Pathan N. P. (2025). Field Efficacy of Ready-Mix insecticides against insect pests infesting black gram. **Research Journal of Agricultural Sciences**, 16(2): 174-179.
354. Suthar B., Kumar D., Patel K. C., Shukla A. K., Behera S. K., Shroff J. C. and Patel R. A. (2024). Depth-wise distribution of boron in soil under groundnut-cabbage cropping sequence. **Journal of the Indian Society of Soil Science**, 72(2): 198-207.
355. Thorat S. S., Gangwar R. K. and Parmar M. B. (2024). Efficacy of insecticides against rice white backed plant hopper. **Indian Journal of Entomology**, 86(1): 254-257.
356. Thounaojam A., Patil G., Patel K. and Prajapati R. (2025). Comparative Three Years Field Study of Planting Material Generated Through Tissue Culture and Conventional Fasciculated Root of Safed Musli. **Journal of Experimental Agriculture International**, 47(1): 404-416.
357. Trivedi N. P., Sisodiya D. B., Raghunandan B. L., Patel N. B., Thumar R. K. and Parmar R. G. (2024). Toxicity of insecticides to pollinators in cucumber vis-a-vis tolerant gut microbiota of *Apis dorsata* Fabricius. **Pesticide Research**, 36(1): 68-73.
358. Vadodaria H. K., Patidar D. R., Kumar S., Parmar D. J., and Patel N. A. (2024). Genetic Diversity and Association Studies in Asian Cotton (*Gossypium arboreum* L.). **Biological Forum – An International Journal**, 16(12): 06-12.
359. Velamuri A., Patel S. R. and Devi G. (2024). From constraint to opportunity: Strategies for effective agriculture credit management, **Gujarat Journal of Extension Education**, 38(1): 78-84.
360. Yadav M., Jadav N. J., Kumar D., Vashisht B. B., Kumar A. and Singh S. P. (2024). Impact of INM practices on system productivity and soil health of pearl millet-mungbean cropping system in *Inceptisols* of India. **Journal of Soil and Water Conservation**, 23(1): 88-96.
361. Zala S., Saini H. and Radadiya P. N. (2024). Attitude of girl students towards agricultural entrepreneurship. **Gujarat Journal of Extension Education**, 37(2): 139-142.





2. FACULTY OF FOOD PROCESSING TECHNOLOGY & BIO-ENERGY

A. International Journal

362. Bhardwaj S., Dutta S., Srilatha P. and Vinay G. M. (2024). Effect of thermal treatment on multifruit smoothie. **International Journal of Advanced Biochemistry Research**, 8(11): 955-960.
363. Bhise S. and Dharmendrakumar P. (2024). Effect of thermal and chemical processing on bioactive compounds, antioxidant activity, and sensory quality of lime-flavored dragon fruit RTS beverage. **Plant Archive an International Journal**, 24(2): 777-782 .
364. Bhise S., Patel D., Kamaliya K. B. and Pandey H. (2024). Quality and shelf-life evaluation of multigrain gluten free biscuits developed from sorghum, soybean and oat composite flours blend. **Plant Archive an International Journal**, 24(2): 2493-2502.
365. Jadav B., Tagalpallewar G., Parmar D. and Kumar P. (2025). Freshness indicators in food packaging: A review. **International Journal of Scientific Development and Research**, 10(02): b79-b91. :<https://ijsdr.org/papers/IJSDR2502111>.
366. Jadeja G. R. and Shakya H. B. (2024). Antimicrobial activity of aqueous neem leaves extracts. **International Journal of Research in Agricultural Sciences**, 11(5): 71-76.
367. Makwana M. A., Vala K. V., Bhalodiya V. B., Chavda N. M., Prajapati H. J. and Moradiya P. B. (2024). Varietal evaluation and comparison of physical and engineering properties of selected varieties of some key staple food grains. **Pharma Innovation**, 13(2): 76-83.
368. Makwana M., Moradiya P., Vala K., Bhalodiya V. and Kukadiya V. (2025). Development of Moisture Sorption Isotherm and Mathematical Modeling of Finger Millet (*Eleusine coracana*). **Journal of Scientific Research and Reports**, 31(4): 260-274.
369. Patel D., Bhise S., Kapdi S. S. and Bhatt T. (2024) Non-destructive hyperspectral imaging technology for quality and safety evaluation of food. **Food Production, Processing and Nutrition**, 69(6): 1-10.
370. Patel K. A., Vala K. V., Makwana M. A. and Bhatt T. H., (2024). Exploring the Transformative Role of Artificial Intelligence in the Food Industry: A Comprehensive Review of Applications and Implications. **The Science World a monthly e magazine**, DOI:10.5281/zenodo.11174679.
371. Patel K., Vala K., Tagalpallewar G. and Makwana M. (2025). Effect of Gamma Irradiation on Functional Properties of Finger Millet and Foxtail Millet Flour. **Mysore Journal of Agricultural Sciences**, 59(1): 230-236.
372. Prajapati C., Kamaliya K. and Dhingani R. (2024). Optimization of Process parameters for carrot cake development using response surface methodology, **European Journal of Nutrition & Food Safety**, 16(9): 261-274.
373. Prajapati H. J., Tagalpallewar G. P., Patel A. M., Modi R. B. and Damle K. S. (2024). Dietetic Sweet Boondi: A Sugar-Free Innovation with Stevia and Polyols. **Archives of Current Research International**, 24(10): 213-224.
374. Prajapati M. R., Kamaliya K. B. and Patel D. H. (2024). Development of cookies using Garden Cress Seed. **International Journal of Food Nutrition & Dietetics**, 12(2): 51-55.





375. Priya S., Tagalpallewar G. P., Ravrani K. A. and Gohel D. M. (2025). Advancements and Applications of Antimicrobial Packaging in the Food Industry: Materials, Mechanisms, and Market Insights: A Review. **International Journal of Scientific Development and Research**, 10 (02):b92- b96.
376. Ravani A., Anadani S. V., Shah P. A., Gondaliya J., Akbari S. H. and Prasad R. V. (2024). Development of Novel Micronutrient Rich Drumstick (*Moringa oleifera*) Pod Pulp Chutney and Its Shelf Life Prediction. **Archives of Current Research International**, 24(12): 307-318.
377. Shakya H. B., Jadeja G. R., Thorat G. N. and Yaduvansi B. K. (2024). Ergonomic evaluation of sickles used by farmers for wheat harvesting in Bhal region of Gujarat. **Technix International Journal for Engineering Research**, 11(9): a99-a102. <https://tijer.org/TIJER/papers/TIJER2409012>.
378. Tagalpallewar G. P., Bhakti M., Krupali R., Kashyap D. H. (2025). Modified Atmosphere Packaging and Its Application:-A Review. **International Journal on Science and Technology**, 16(01): 1-13.
379. Tarusi, Tagalpallewar G. P. and Mondal Rishav (2025). Green Plastic: A Boon to Environment. **International Journal of Scientific Development and Research**, 10 (02): b257- b 262.
380. Tiwari M., Tagalpallewar G. P., Sardar N. R., Akbari S. H. and Modi R. B. (2024). Application of Essential Oils in Food Packaging: A Concise Review. **European Journal of Nutrition & Food Safety**, 16(03): 60-67.

B. National Journal

381. Bhise S., Patel D., Kamaliya K. B. and Darji V. B. (2024). Development of high fiber cookies supplemented with pomegranate seed flour. **Journal of Applied Horticulture**, 63(3): 372-376.
382. Ghai M., Shukla P., Kaushik R. and Bhise S. (2024). Lifestyle assessment and motivations of vegan population in Chandigarh Tricity: Insights from a comprehensive survey. **Archives of Current Research International**, 25(1): 208-223.
383. Kashyap P. and Bhise S. (2024). Processing and health benefits of underutilized foxtail and barnyard millet for the development of functional bakery products. **Journal of Advances in Biology and Biotechnology**, 27(9): 1200-1211.
384. Patel D. and Bhise S. (2024). Betacyanin, antioxidant activity and shelf-life evaluation of thermally, microwave, and chemically processed lime-flavored dragon fruit Ready to Serve beverage. **Journal of Scientific Research and Reports**, 30(6): 1-15.
385. Patel K. A., Vala K. V., Tagalpallewar G. P. and Makwana M. A. (2025). Effect of Gamma Irradiation on Functional Properties of Finger Millet and Foxtail Millet Flour. **Mysore Journal of Agricultural Sciences**, 59(1): 230-236.
386. Rathod J. P., Seth N., Tagalpallewar G. P., Gandhi R. and Sardar N. R. (2024). A Study on Physico-Chemical and Nutritional Properties of Paras Variety Jamun (*Syzygium cumini* L.) Leaves. **Journal of Advances in Biology & Biotechnology**, 8(8): 1182-1189.
387. Ravani A. V., Anadani S. V., Jadeja G. R. and Akbari S. H. (2025). Performance evaluation of brush type pulper for standardization of moringa pod pulp extraction. **Plant Archives**, 25: 341-346.
388. Sardar N. R., Modi R. B., Tiwari Manish, Rathod J. P. and Tagalpallewar G. P. (2024). An Overview of Cryomilling within the Realm of Spices. **Journal of Scientific Research and Reports**, 30(07):719-727.





389. Shukla P., Bhise S. and Nancy (2024). An epidemiological survey on the diet and lifestyle related causative factors of the Migraine headache among the students of Karnal, Haryana. **Indian Journal of Natural Sciences**, 15(86): 82490- 82509.

3. FACULTY OF AGRICULTURE ENGINEERING & TECHNOLOGY

A. International Journal

390. Amin B. A., Suthar J. V., Raj M. P., Patil K. and Trivedi V. (2024). Effect of magnetic field on germination and seedling growth of cumin. **International Journal of Creative Research Thoughts**, 12(8): 313-318.
391. Balas P. R., Lakhani A. L., Pargi S. J., Mehta T. D. and Makavana J. M. (2024). Performance evaluation of manual seeder machine for precision farming. **Journal of Experimental Agriculture International**, 46(2): 68-77.
392. Balas P. R., Pargi S. J., Lakhani A. L., Mehta T. D. and Bambhaniya V. U. (2024). Inter and intra row weed and its effect: A review. **Current Journal of Applied Science and Technology**, 42(48): 97-105.
393. Bhargav A. M., Suresh R., Tiwari M. K., Trambadia N. K., Chandra R. and Nirala S. K. (2024). Optimization of Manning's roughness coefficient using 1-Dimensional hydrodynamic modelling in the Perennial river system: A case of lower Narmada basin, India. **Environmental Monitoring and Assessment**, 196(8), DOI: <https://doi.org/10.1007/s10661-024-12883-w>.
394. Chinchorkar S. S. and Tiwari M. K. (2024). Recent changes in crop water requirement (pan-evaporation) at Anand (Gujarat) India. **Journal of AgriSearch**, 11(3): 212-21.
395. Chinchorkar S. S., Kamani G. J. and Sayyad F. G. (2025) A case study: Decadal rainfall variability of Navsari (South Gujarat) for the Year 1980 to 2014. **International Journal of Agriculture Extension and Social Development**, 8(2): 404-406.
396. Chinchorkar S. S., Kamani G. J. and Sayyad F. G. (2025). Analysis of Temperature and Rainfall record in Anand, Gujarat. **Journal of AgriSearch**, 11(4): 262-268.
397. Chinchorkar S. S., Kamani G. J. and Sayyad F. G. (2025). Change in rainfall pattern Gujarat region in the last 116 years (1901-2017): A case study, **International Journal of Agriculture Extension and Social Development**, 8(2): 42-45.
398. Dabhi K. L., Sharma A. and Sen P. (2024). Ergonomical and performance study of pedal operated maize shellers. **International Journal of Engineering, Management and Humanities**, 5(2): 236-242.
399. Dabhi K. L., Sharma A., Sen P., Soni A. and Kaushik S. (2024). Comparative study of mini tractor drawn combine tillage tool and cultivator for seed bed preparation in sandy loam soil conditions. **Multilogic in Science**, 14(50): 23-27.
400. Dhakad S., Salunkhe R. C., Shukla K., Seth N., Dabhi K. L. and Balas D. B. (2024). Optimization of operational parameters for agricultural drone spraying in maize crops. **Journal of Experimental Agriculture International**, 47(1): 105-120.
401. Godhani R. S., Gupta P., Dabhi K. L., Sharma A. and Sen P. (2024). Development and performance evaluation of two row fertilizer applicator for side dressing in maize (*Zea mays* L.). **International**





Journal of Engineering, Management and Humanities, 5(3): 119-127.

402. Jadav C. and Pargi S. (2025). Development and evaluation of a manually operated twin wheel weeder with adjustable blades. *International Journal of Agriculture Extension and Social Development*, 8(3): 341-345.
403. Jadav C., Pargi S. and Mandloi K. (2024). Design and performance evaluation of portable twin wheel weeder. *International Journal of Agriculture Extension and Social Development*, 7(11): 290-296.
404. Jethva K. R., Suthar R. F. and Kumar N. (2024). Effect of drying on physico-chemical properties of protein fortified Kesar mango leather. *International Journal of Advanced Biochemistry Research*, 8(2): 101-107.
405. Jogunuri S., Josh F. T., Stonier A. A., Peter G., Jayaraj J. and Ganji V. (2024). Random forest machine learning algorithm based seasonal multi-step ahead short-term solar photovoltaic power output forecasting. *Institution of Engineering and Technology Renewable Power Generation*, 19(1): 1-16.
406. Kunapara A. N., Subbaiah R. and Patel G. R. (2024). Approximation of the pressure-discharge curve in inline drip irrigation system. *Journal of Scientific Research and Reports*, 30(8): 35-45.
407. Kunapara A. N., Subbaiah R. and Patel G. R. (2024). Assessing design of drip emitters by evaluating hydraulic and manufacturing performance of online drip emitters. *Archives of Current Research International*, 24(6): 299-307.
408. Nikhilesh A. and Jethva K. R. (2024). Optimization of drying temperature for enhanced physical and mechanical properties of potato and rice based starch based bioplastic. *International Journal of Advanced Biochemistry Research*, 8(6): 440-446.
409. Pargi S. J., Gupta P., Balas P. R. and Bambhaniya V. U. (2024). Comparison between manual harvesting and mechanical harvesting. *Journal of Scientific Research and Reports*, 30(6): 917-934.
410. Pargi S. J., Gupta P., Balas P. R., Bambhaniya V. U., Dabhi K. L. and Salunkhe R. C. (2024). Effect of snapping roller parameters on maize harvesting. *Archives of Current Research International*, 24(5): 583-601.
411. Patel S. K., Bhimani J. B., Yaduvanshi B. K. and Gupta P. (2024). Radish (*Raphanus raphanistrum subsp. sativus*) seed planter parameters optimization using response surface methodology. *Journal of Scientific and Industrial Research*, 83(5): 483-489.
412. Rangapara D. J., Gupta P., Jethva K. R., Salunkhe R. C., Dabhi K. L. and Shakya H. B. (2024). Development of battery-operated vehicle for crop row detection. *International Journal of Agriculture Sciences*, 16(4): 13201-13207.
413. Rangapara D. J., Gupta P., Yoganandi Y., Godhani R. S. and Pargi S. J. (2024). Crop row detection in agriculture. *International Journal of Agricultural Sciences*, 16(4): 13208-13211.
414. Rathod J. P., Seth N., Balas P. R., Vala K. V., Sardar N. R. and Gandhi R. (2024). Blanching and vacuum drying of jamun leaves: A study on nutritional preservation and quality enhancement. *Journal of Experimental Agriculture International*, 46(9): 1-12.
415. Thakor D. I., Gaur M. L., Tiwari M. K., Patel G. R., Kalola A. D., Balas D. B. and Trivedi M. M. (2024). Estimation of wheat crop evapotranspiration from meteorological dataset for Anand, India. *International Journal of Environment and Climate Change*, 14(12): 675-84.





B. National Journal

416. Bal J., Vyas D. K., Jogunuri S. and Sayyad F. G. (2024). Mathematical modelling of solar tunnel dried ginger (*Zingiber officinale* L.) slices. **Journal of Agricultural Engineering (India)**, 61(2): 299-310.
417. Parmar R. R., Seth N., Gandhi R., Rathod R., Vyas V. S., Bharti N. and Khanpara B. M. (2025). Ready-to-reconstitute and instant mix millet products: a comprehensive review of biochemical, processing techniques and sensory attributes. **Plant Archives**, 25: 347-354.
418. Rathod J. P., Seth N., Balas P. R., Tagalpallewar G. P., Gandhi R. and Sardar N. R. (2024). A study on physico-chemical and nutritional properties of paras variety jamun (*Syzygium cumini* L.) leaves. **Journal of Advances in Biology and Biotechnology**, 27(8): 1182-1189.
419. Tiwari M. K. and Brahmabhatt M. P. (2024). Forecasting drought indices using artificial neural network and M5 model tree techniques in middle Gujarat region of India. **Journal of Agricultural Engineering (India)**, 61(3): 413-431.

4. FACULTY OF AGRICULTURAL INFORMATION TECHNOLOGY

A. International Journal

420. Amin B. A., Suthar J. V., Patil K., Raj M. P. and Trivedi V. (2024). Effect of Magnetic Field on Germination and Seedling Growth of Onion. **International Journal of Creative Research Thoughts**, 12(8): c285-c289.
421. Amin B. A., Suthar J. V., Patil Kalyanrao, Raj M. P. and Trivedi V. (2024). Effect of Magnetic Field on Germination and Seedling Growth of Cumin **International Journal of Creative Research Thoughts**, 12(8): f313-f318.

B. National Journal

422. Chandravadia K. and Bariya M. K. (2024). Socio-economic Characteristics of Farmers and their Feedback About the Castor Cultivar GCH-10 Variety. **Journal of Community Mobilization and Sustainable Development**, 19(1): 48-52.
423. Chandravadia K., Bariya M. K. and Gamit T. (2024). Comparative Study on Women Empowerment through Self-Help Groups in Chhotaudepur District of Gujarat State. **Journal of Community Mobilization and Sustainable Development**, 19(3):1-5.
424. Chavda K., Suthar J. V., Patel H. K., Kurkutiya S. R. and Patel A. J. (2024). Bio-efficacy of herbicides on weed growth, yield and economics of *kharif* sorghum. **International Journal of Research in Agronomy**, 7(7): 936-938.
425. Ganvit D. G., Suthar J. V. and Vala H. D. (2024). Effect of organic sources and seaweed extract on growth, yield and economics of summer groundnut. **International Journal of Research in Agronomy**, 7(12): 84-87.
426. Ganvit D. G., Suthar J. V. and Vala H. D. (2024). Effect of organic sources and seaweed extract on soil nutrients status after harvest and N content and uptake in kernels of summer groundnut. **International Journal of Research in Agronomy**, 7(12): 239-242.





427. Ganvit T. and Chandravadia, K. U. (2024). Utilization Behaviour of Farmers for Information and Communication Technologies. **Gujarat Journal of Extension Education**, 38(1): 111-114.
428. Ghodasara Y. R., Parmar R. S., Kamani G. J., Sisodiya D. B., and Parmar R. G. (2024). Pest and Disease Video Classification with Convolutional Neural Network and Transfer Learning. **Journal of Experimental Agriculture International**, 46(10): 388-99.
429. Patel A. J., Patel H. K., Rathod P. H., Raval C. H., Suthar J. V., Kurkutiya S. and Chavda K. (2024). Split application of nitrogen level on quality parameters of fodder sorghum. **International Journal of Research in Agronomy**, 7(7): 918-921.
430. Patel N. D., Shukla X. U., Patel H. K. and Parmar D. J. (2024). Pre-harvest Forecasting of Paddy Yield Based on Weather Parameters Using Different Statistical Methods for Middle Gujarat. **Agriculture Association of Textile Chemical and Critical Reviews Journal**, 12(3): 383-387.

5. FACULTY OF AGRICULTURAL BUSINESS MANAGEMENT

A. International Journal

431. Aambaliya P., Dudhagara C. R. and Mahera A. B. (2024). Perception and Problems of Kitchen Gardening in Jamnagar District of Gujarat, India. **Journal of Experimental Agriculture International**, 46(7): 631-637.
432. Baflipara D. M. and Prajapati M. R. (2024). Understanding Farmers' Perceptions and Constraints in Biogas Slurry Use in Anand District of Gujarat, India. **International Journal of Environment and Climate Change**, 14(8): 546-552.
433. Balas M. J. and Prajapati M. R. (2024). Analysis of Branded Cattle Feed Industry in Saurashtra Region: A Case Study of Rajkot, Junagadh, and Amreli Districts, India. **Archives of Current Research International**, 24(7): 14-20.
434. Balas N. and Prajapati M. R. (2024). Identifying and analyzing sugarcane marketing channels in Gujarat. **International Journal of Agriculture Extension and Social Development**, 7(12): 605-609.
435. Bhadani S. R. and Mishra S. (2024). Marketing of Fruits and Vegetables in the Agricultural Produce Marketing Committee, Vashi, Navi Mumbai. **Archives of Current Research International**, 24(6): 447-455.
436. Chaudhary M. and Lad Y. A. (2024). Perception of Regarding Water Conservation Products and Identification of Problem Faced by Groundnut Farmers in Dhanera Taluka of Banaskantha District, Gujarat, India. **International Journal of Plant and Soil Science**, 36(8): 384-390.
437. Chauhan T. T., Dudhagara C. R. and Mahera A. B. (2024). Farmers' Perception towards Organic Fertilizers in Kutch District of Gujarat, India. **Archives of Current Research International**, 24(5): 739-744.
438. Chavda V. K., Vahoniya D. R. and Alvira R. (2024). Banana supply chain in Navi Mumbai, India. **Archives of Current Research International**, 24(6): 517-525.
439. Dhoriyani D. R. and Prajapati M. R. (2024). Marketing Dynamics of Grapes in Pune Division: Channels, Efficiency, and Stakeholder Issues. **Archives of Current Research International**, 24 (6): 69-77.





440. Galani D. and Panigrahy S. R. (2024). Marketing Efficiency and Disposal Pattern of Pomegranate in Maharashtra, India. ***Journal of Experimental Agriculture International***, 46(7): 836-843.
441. Garasia R. and Lad Y. A. (2024). Assessment of Service Satisfaction at Amul Preferred Outlets (APOs) with Respect to Vasudhara Dairy's Staff Society Offerings. ***Journal of Scientific Research and Reports***, 30(11): 785-791.
442. Godvani R. and Dudhagara C. R. (2024). Assessing the Impact of Heatwaves on Wheat Crop Health in Ludhiana District Using Remote Sensing Technologies. ***International Journal of Environment and Climate Change***, 14(7):210-221.
443. Kumar A., Vahoniya D. R. and Rajwadi A. (2024). Navigating the honey markets across Europe and Africa. ***Asian Journal of Agricultural Extension, Economics & Sociology***, 42(5): 266-275.
444. Kumar M. S., Lad Y. A. and Pundir R. S. (2024). Scenario of solar energy and policies in India. ***Clean Energy***, 8(5): 117-128.
445. Kumar M. S., Singh P. K., Lad Y. A. and Guatam R. S. (2025). Factors Influencing Farmers to Adopt Potato Contract Farming in Gujarat. ***Potato Research***, 10(25): 9850-9863.
446. Kumar M. S., Lad Y. A. and Pundir R. S. (2024). Factors influencing farmers' adoption of solar water pumping systems in Gujarat. ***Clean Energy***, 8(3): 157-165.
447. Kumar R., Lad Y. A. and Singh P. K. (2024). Forecasting Potato Prices in Agra: Comparison of Linear Time Series Statistical vs. Neural Network Models. ***Potato Research***, 10(25): 9638-9855.
448. Mahera A. B. and Patel H. D. (2024). Microfinance in India: A comprehensive overview. ***International Journal of Agriculture Extension and Social Development***, 07(11): 192-196.
449. Olakya R. and Lad Y. A. (2024). Market Potential and Farmers' Buying Behaviour towards Cumin Seeds in Rajkot District. ***Journal of Scientific Research and Reports***, 30(8): 420-427.
450. Paghdar S. J., Dudhagara C. R. and Mahera A. B. (2024). Purchasing Behaviour and Satisfaction Level of Farmers Regarding Groundnut Seeds. ***Journal of Scientific Research and Reports***, 30(7): 487-495.
451. Pandya M. R., Vahoniya D. R. and Rajwadi A. (2024). Holistic review on mushroom: A perspective on production, economics, marketing and constraints in India. ***Asian Journal of Agricultural Extension, Economics and Sociology***, 42(10): 27-24.
452. Patel H. D. and Mahera A. B. (2024). Natural farming: A sustainable path for modern agriculture. ***International Journal of Research in Agronomy***, 7(12): 642-647.
453. Patel H. D., Mahera A. B., Prajapati D. M. and Pundir R. S. (2024). Indian dried milk commodities competitiveness analysis. ***International Journal of Agriculture Extension and Social Development***, 7(11): 432-439.
454. Patel J. H. and Lad Y. A. (2024). Production and marketing constraints faced by soybean farmers in Gujarat. ***International Journal of Agriculture Extension and Social Development***, 7(12): 316-31.
455. Patil D., Prajapati M. R. and Dedaniya A. (2024). Impact of Shrimp Farming and Government Policy Implications on Rice Production in Navsari District of Gujarat, India. ***Journal of Scientific Research and Reports***, 30(8): 464-69.





456. Powrel P. J. and Mishra S. (2024). Competitiveness, Specialization, and Structural Shifts in India's Honey Exports: An Analysis of Global Market Dynamics From 2003 to 2022. **Agribusiness**, 01-11. DOI: 10.1002/agr.22008.
457. Pundir R. S., Vahoniya D. R. and Rajwadi A. (2024). Production and Marketing of Potato in Middle Gujarat. **Bhartiya Krishi Anusandhan Patrika**, 39(3-4): 269-275.
458. Pundir R. S., Vahoniya D. R., Singh R. and Rajwadi A. (2024). An economic analysis of production and marketing of banana in Middle Gujarat. **Asian Journal of Agricultural Extension, Economics & Sociology**, 42(9): 121-132.
459. Sharma S., Patel D. B., and Panigrahy S. R. (2024). Marketing Efficiency of Apple in Shimla District of Himachal Pradesh, India. **Journal of Experimental Agriculture International**, 46(12): 512-518.
460. Shekhaliya V. and Mishra S. (2024). Analysis of Marketing Channels of Papaya in Middle Gujarat, India. **Journal of Experimental Agriculture International**, 46(8): 355-363.
461. Sinha M. and Panigrahy S. R. (2024). Unveiling the Urea Market of the American Continent. **Journal of Experimental Agriculture International**, 46(1): 129-136.
462. Tamboli U. D. and Prajapati M. R. (2024). Marketing Channels of Pomegranate in Pune Division of Maharashtra, India. **Archives of Current Research International**, 24(6): 85-94.
- B. National Journal**
463. Dubey H., Panigrahy S. R. and Pundir R. S. (2024). Agritourism Policies in India. **The Agriculture Magazine**, 3(10): 17-22.
464. Mohapatra A. and Panigrahy S. R. (2025). Hydroponic fodder production technology for sustainable animal feed production. **Indian Farming**, 74(12): 11-14.
465. Panigrahy S. R. (2024). Effective Cow Dung Disposal Pattern: A Need of the Hour. **Vigyan Varta**, 5(11): 244-246.
466. Patel S. R., Mishra S. and Panigrahy S. R. (2025). Technological Gap Analysis: A Case Study of Anand, Gujarat. **Asian Journal of Dairy and Food Research**, DOI: 10.18805/ajdfr.DR-2230.
467. Prajapati D. and Panigrahy S. R. (2024). Segmented Organic Fertilizer Market in Kutch District, Gujarat. India. **Journal of Scientific Research and Reports**, 30(7): 810-816.
468. Vahoniya D. R., Savaliya F. P., Mahera A. B., Pundir R. S., Rajwadi A., Garval A. and Halpati J. (2024). Economic and Marketing Analysis of Commercial Goat Farms in Gujarat. **Indian Journal of Economics and Development**, 20(3): 457-467.

* * * 2024-25 * * *

