

Research Paper published

International Journals

1. 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*, 47(2):268-276.
2. Makwana N.D., Bhanvadia A.S. and Gedia K. M. (2023) Effect of integrated nutrient management in maize. *The pharma innovation Journal*, 12 (11) 887-890.
3. Makwana N. D., Bhanvadia A.S. (2023) Residual effect of integrated nutrient management to preceding maize on yield of succeeding groundnut under maize-groundnut cropping sequence, *International Journal of Plant & Soil Science*, 35 (21)1022-1029.
4. Rahwa, M. K. and Bhanvadia, A. S. (2023). Impact of irrigation scheduling and nitrogen management through drip irrigation system on nutrient content and uptake of rabi Maize (*Zea mays L.*). *International Journal of Plant & Soil Science*, 35(23), 345-355.
5. Patel A. J., Satodiya B. N. and Bhanvadia A. S. (2023). Response of Varieties to Foliar Application of Zn and Fe for Yield and Quality Parameters of Okra. *Biological Forum: An International Journal*, 15(4):570-574.
6. Maheta Aishwarya, Gaur Divya, Bhanvadia A. S., Raman V. P., Patel Swati and Amin Parth (2023). Influence of Nano Nitrogen and phosphorus Fertilizer on Yield and Nutrient Content of Maize (*Zea mays L.*). *International Journal of Plant & Soil Science*, 35(3): 51-59.
7. Dulera, J. G., and Nayi A. H. (2023). Role of insectivorous birds in suppression of fruit borer, *Helicoverpa armigera* (Hubner) in tomato. *The Pharma Innovation Journal*, 12(4): 1222-1225.
8. Dulera J. G., Sisodiya D. B., Chaudhari V. K., Bhanvadia A. S., and Raval A. T. (2023). First report of the Indian date palm leaf miner, *Javeta pallida*, Baly (Coleoptera: Chrysomelidae: Cassidinae: Coelaenomenoderini) infesting Date palm, *Phoenix dactylifera*, L. in Gujarat. *The Pharma Innovation Journal*, 12(4): 344-347.
9. Parmar Hitiksha K., Macwana Sneha S., Damor Hiteksha I., Kumar Sushil and Parmar Sushma J. (2023). Study of heritability and genetic advance in Indian mustard [*Brassica juncea* (L.) Czern & Coss]. *The Pharma Innovation Journal*, 12(6): 4164-4167.
10. Dulera J. G. (2022). Fruit damage by rose-ringed parakeet, *Psittacula krameri* (Scopoli) in pomegranate orchard. *The Pharma Innovation Journal*, 11(6): 981-988.
11. Dulera J. G., and Nayi A. H. (2022). Assessment of rose-ringed parakeet (*Psittacula krameri*) Depredations to Guava Fruits. *The Pharma Innovation Journal*, 11(7): 2825-2829.
12. Dulera J. G. and Nayi A. H. (2022). Role of birds in the natural regulation of pod borer, *Helicoverpa armigera* (Hubner) in pigeon pea. *The Pharma Innovation Journal*, 11(11): 2626-2630.
13. Kamble C. M., Trivedi A. P., Bhanvadia A. S., Ghadiali J. J. and Patel B. K. (2022). Effect of spacing and genotypes on yield attributes and yield of French bean (*Phaseolus vulgaris L.*). *International Journal of Plant Sciences*, 18(1): 40-48.
14. Kamble C. M., Trivedi A. P., Bhanvadia A. S., Ghadiali J. J. and Patel B. K. (2022). Effect of spacing and genotypes on physiological growth indices of French bean (*Phaseolus vulgaris L.*). *International Journal of Plant Sciences*, 17(2): 250-258.

15. Patel M. P., Deep Kumar, Patel K.V., Chaudhary V. K. and Bhanvadia A. S. (2022). GAM 8: A New High yielding MYMV Virus Resistant Variety for Middle Gujarat. *Biological Forum: An International Journal*, 14(4):24-30.
16. Vala J. R. and Bhanvadia A. S. (2022). Effect of weed management practices on growth and weed parameters in rice (*Oryza sativa* L.) nursery. *The Pharma Innovation Journal*, 11(3):1762-1766.
17. Khair A. N. and Bhanvadia A. S. (2019). Flowering synchronization studies in parental lines of pearl millet hybrid GHB 905. *Journal of Pharmacognosy and Phytochemistry*, 8(5): 719-722.
18. Khair A. N, Bhanvadia A. S. and Patil Kalyanrao (2019). Effect of staggered sowing and foliar spray of fertilizer on synchronization of parents in pearl millet (*Pennisetum glaucum* L.) hybrid GHB 905. *International Journal of Chemical Studies*, 7(5): 2240-2245.
19. Chaudhari V. K., Desai H. R. and Patel N. M. (2018) Determination of economic threshold level of cotton leafhopper (*Amarasca biguttula* Ishida) on cotton under South Gujarat Condition, *Trends in bioscience*,11(1): 52 – 57.
20. Rukhsar, Patel M. P., Parmar D. J. and Sushil Kumar (2018). Genetic variability, character association and genetic divergence studies in castor (*Ricinus communis* L.) *Annals of Agrarian Science*, 16(2): 143-148.
21. Patel J. J., Patel D. A., Parmar H. K., Damor A.S. and Patel D. K. (2018). Diallel analysis for combining ability studies in castor (*Ricinus communis* L.). *International Journal of Chemical Studies*, 6(3): 2950-2956.
22. Chakraborty S., Patel D. A., Parmar H. K., Dhaduk H. L. and Sasidharan N. (2018). Genetic diversity analysis in soybean (*Glycine max* (L.) Merrill.) using SSR markers. *Journal of Pharmacognosy and Phytochemistry*, 7(3): 2380-2384.
23. Rukhsar, Patel M. P., Parmar D. J., Kalola A. D. and Sushil Kumar (2017). Morphological and molecular diversity patterns in castor germplasm accessions. *Industrial Crops and Products*, 97: 316–323.
24. Parmar J. K., Rathod S., Bhanvadia A. S. and Ramani V. P. (2017). Effect of Treated Effluent Water on Yield, Nutrient Content and Uptake by Wheat-Sorghum Sequence. *Research in Environment and Life Sciences*, 10(1): 58-64.
25. Parmar J. K., Bhanvadia A. S., Ramani V. P. and Rathod S. (2017). Effect of Treated Dairy Effluent Water on Yield, Nutrient Content and Uptake by Castor-Sorghum Sequence. *Nature Environment and Pollution Technology*, 16(1): 279-286.
26. Bhanvadia A. S., Vekariya K. J. and Patel R. A. (2017). Effect of Castor Based Intercropping System on Castor Growth and Yield. *Trends in Biosciences*, 10(23): 4592-4594.
27. Bhanvadia A. S., Vekariya K. J. and Patel R. A. (2017). Economic Evaluation of Castor Based Intercropping System Preceding Kharif Crops. *Trends in Biosciences*, 10(23): 4629-4630.
28. Bhanvadia A. S., Vekariya K. J. and Patel R. A. (2017). Economic Feasibility of Relay Cropping of Castor in Legume Crops. *Trends in Biosciences*, 10(24): 5033-5035.
29. Bhanvadia A. S., Vekariya K. J. and Patel R. A. (2017). Relay Cropping of Castor in Legume Crops. *International Journal of Current Microbiology*, 6(7): 2729-2732.
30. Chaudhari H. K., Patel B. R., Patel S. K., Parmar Hitiksha K., Prajapati S. K., Patel B. D. and Chaudhary Ramesh (2017). Heterosis for cured leaf yield and its component traits in bidi tobacco (*Nicotiana tabacum* L.). *Res. Environ. Life Sci.*, 10(7): 606-611.

31. Patel K. A., Khanorkar S. M., Damor A. S. and Parmar H. K. (2017). Microsatellite based molecular characterization and genetic diversity analysis of maize (*Zea mays* L.) inbred lines. *IJAEB*, 10 (6):773-777.
32. Parmar M. R., Kumpavat M. T., Doshi J. S. and Kapdi S. S. (2017). A comparative study on drying of basil leaves. *Agricultural engineering International: CIGR Journal*, 19(1): 169-177.
33. Chaudhari H. K., Patel B. R., Ramesh and Parmar H. K. (2016). Combining ability analysis for cured leaf yield and its component traits bidi tobacco (*Nicotiana tabacum* L.). *International Journal of Science, Environment and Technology*, 5(3): 1373-1380.
34. Damor A. S., Patel J. N., Parmar H. K. and Vyas N. D. (2016). Studies on genetic variability, heritability and genetic advance for yield and quality traits in bottle gourd [*Lagenaria siceraria* (Mol.) Standl.] genotypes. *International Journal of Science, Environment and Technology*, 5(4): 2301-2307.
35. Jadeja J. M., Patel D. A., Parmar H. K. and Sisara H. C. (2016). Assessment of genetic variability, correlation and path analysis for yield and its component in soybean. *The Bioscan*, 11(2): 965-970.
36. Parmar P. N., Bhanvadia A. S. and Chaudhary M. M. (2015). Effect of Spacing and Nitrogen Levels on Yield Attributes, Seed Yield and Economics of Okra (*Abelmoschus esculentus* L. Moench) During Kharif Season under Middle Gujarat Conditions. *Trends in Biosciences*, 8(8): 2160-2163.
37. Chaudhary M. M., Bhanvadia A. S. and Parmar P. N. (2015). Effect of Integrated Nutrient Management on Growth, Yield Attributes and Yield of Cabbage (*Brassica oleracea* Var. *Capitata* L.) Under Middle Gujarat Conditions. *Trends in Biosciences*, 8(8), 2164-2168.

National Journals

1. Chaudhari V. K., Sisodiya D. and Gohel N. (2021). Field efficacy of seed treatment against sucking pests and root rot in desi cotton under rainfed condition. *Journal of cotton research and development*, 35(2): 238-247.
2. Chaudhari V. K., and Patel M. (2020). Effect of Variability in Genotypes on Major Insect Pests of Green Gram. *Trends in Biosciences*, 13(9): 549-554.
3. Baladhiya C. S., Doshi J. S. and Bhalodiya V. B. (2020). Performance evaluation of mechanized manufacture of bottle gourd Halwa. *International Journal of Agricultural Engineering*, 13(1): 113-120.
4. Chaudhari V. K., Desai H., & Patel N. (2018). Determination of Economic Threshold Level of Cotton Leafhopper (*Amarasca biguttula* Ishida) on Cotton under South Gujarat Condition. *Trends in Biosciences*, 11: 52-57.
5. Patel V. N., Patel K. C., Bhanvadia A. S. and D. Kumar (2018). Effect of Silicon and Sulphur Fertilization on Growth and yield of Rice. *Agropedology*, 28(02):161-164.
6. Patel B. C., Patel M. P., and Patel J. A. (2018). Combining ability and gene action for grain yield and its attributing traits in pearl millet (*Pennisetum glaucum* [L.] R. Br.). *Electronic Journal of Plant Breeding*, 9(4): 1396-1402.
7. Ramya K. T., Patel M. P., Manjunatha T., Lavanya C. (2018). Identification of best combiners for development of castor hybrids under irrigated conditions. *Electronic Journal of Plant Breeding*, 9(1): 387-391.
8. Prabakaran A. J., Lavanya C., Manjunatha T., Balakishan G., Duraimurugan P., Santha Lakshmi Prasad, Senthilvel S., Suresh G., Lakshmamma P., Prasad R. D., Ramya K. T.,

- Yadav Praduman, Jawaharlal J., Sarada C., Patel D. K., Patel C. J., Patel M. P., Kumar S., Varaprasad K. S. and Vishnuvardhan Reddy A. (2018). ICH-66, a new high yielding and biotic stress-resistant castor hybrid suitable for rainfed conditions of Peninsular India. *Journal Oilseeds Research*. 35(4): 252-259.
9. Raol J. B., Doshi J. S. and Kumpavat M. T. (2018). Effect of flow rate and flow pattern of hot water on Overall Heat Transfer Coefficient for Double Pipe Heat Exchanger. *Gujarat Agricultural Universities Journal*, 43(1): 19-25.
10. Patel K. P., Patel M. P., Joshi N. R. and Patel J. A. (2017). General and specific combining ability for quantitative characters in castor (*Ricinus communis* L.). *Electronic Journal of Plant Breeding*, 8(2): 422-427.
11. Baladhiya C. S. and Doshi Jayesh (2017). Performance evaluation and optimization of steam generating systems. *International Journal of Agricultural Engineering*, 10(1):222-27.
12. Bhalodiya V. B., Sutar R. F. and Doshi Jayesh (2017). Physical properties of Aonla fruit relevant to the design of processing equipments. *Beverage & Food World*, 44(5):31-33.
13. Aher A. R., Patel K. V., Patel M. P. and Patel J. A. (2016). Genotype x environment interactions and stability analysis for seed yield and yield attributing characters in castor (*Ricinus communis* L.). *Electronic Journal of Plant Breeding*, 7(4): 830-837.
14. Baladhiya Chiman and Doshi Jayesh (2016). Precooling techniques and applications for fruits and vegetables. *International Journal of Processing and Postharvest Technology*, 7(1):141-50.
15. Patel B. C., Doshi J. S. and Patel J. A. (2016). Heterosis for grain yield components in Pearl millet (*Pennisetum Glaucum* (L.) R. BR.). *Innovare Journal of Agricultural Science*, 4(3):1-3.
16. Dave P. B., Patel B. N., Patel P. C., Patel M. P. and Patel N. A. (2015). Study of combining ability and gene action for seed cotton yield and its agronomic traits in upland cotton. *Journal of cotton research and development*, 29(2): 212-127.
17. Patel U. J., Patel K. V., Patel M. P. and Patel J. A. (2015). Heterotic effects for seed yield & component characters in Indian mustard (*Brassica juncea* L.). *Green farming International Journal* 6(3): 478-82.
18. Aher A. R., Patel K. V., Patel M. P. and Patel J. A. (2015). Genetic analysis of seed yield and component characters over environments in castor (*Ricinus communis* L.) *Electronic Journal of Plant Breeding*, 6(1): 141-149.
19. Parmar M. B., Patel S. K., Patel S. M., Patel M. P. and Patel A. D. (2015). Genetic studies of variability parameters, correlation and path coefficient analysis for yield components in *G. hirsutam* Bt cotton hybrids. *Trends in Biosciences*, 8(5): 1186-1190.
20. Aher A. R., Patel M. P., Patel K. V., and Patel J. A. (2015). Heterotic effects for pistillate x pistillate crosses in castor (*Ricinus communis* L.) *Bioinfolet*, 12(1B): 125-130.
21. Parmar H. K., Acharya R. R., Parmar D. J. And Damor A. S. (2016). Assesment of variability and genetic divergence study in vegetable cowpea (*Vigna unguiculata* (L.) Walp.) genotypes. *Indian Agriculturist* 60 (3&4): 141-148.