

## List of Research Paper published (2017-2023)

No. of research paper published in scientific journal	International Journal	10
	National Journal	26

### (i) International Journal

1. Rukhsar, Patel, M.P., Parmar, D.J., & Sushil Kumar (2018). Genetic variability, character association and genetic divergence studies in castor (*Ricinus communis* L.) *Annals of Agrarian Science*, 16(2), 143-148.
2. Chaudhari, B.A., Patel, M.P., Patel, J.A., Makwana, R.R., Patel, A.M. & Patel, M.K. (2019). The characterization of castor (*Ricinus communis* L.) genotypes for morphological traits. *International Journal of Current Microbiology and Applied Science*, 8(5), 2482-92.
3. Kumar, S., Sakure, A., Patel, D.A. & Patel, M.P. (2022). Integration of morpho-physico-biochemical traits with SSR and SRAP markers for characterization of castor genotypes of Indian origin. *Oil Crop Science*, 7(1), 22-30.
4. Patel, M.P., Kumar, D., Patel, K.V., Chaudhari, V.K. & 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.
5. Rathva, P., Patel, M.P., Solanki, U. & Pali, V. (2023). Heterosis Analysis Over Environments for Seed Yield and Its Attributing Traits in Linseed (*Linum usitatissimum* L.). *International Journal of Environment and Climate Change*, 13(4), 251-284.
6. Rathva, P., Patel, M.P., Solanki, U. & Pali, V. (2023). Combining Ability Analysis for Seed Yield and Attributing Traits in Linseed (*Linum usitatissimum* L.). *International Journal of Plant & Soil Science*, 35(8), 34-63.
7. Rajput, D., Patel, M.P., Kumar, S., Patel, R. & Katba, P. (2023). Screening of castor germplasm for wilt reaction and morpho-molecular characterization of resistant genotypes. *Heliyon*, 9(3)
8. Gunguniya, D.F., Kumar, S., Patel, M.P., Sakure, A.A., Patel, R., Kumar, D. & Khandelwal, V. (2023). Morpho-biochemical characterization and molecular marker based genetic diversity of pearl millet (*Pennisetum glaucum* (L.) R. Br.). *Peer Journal*, 11, 15403.
9. Manjunatha, T., Ramya, K., T. Lavanya, C., Sarada, C., Senthilvel, S., Yamanura, M., Patel, C.J., Patel, A.M., Patel, M.P. & Madariya, R., (2023). Genetic nature and role of environment in sex expression and phenological characters of pistillate lines in castor (*Ricinus communis* L.) *Genetic Resources and Crop Evolution*, <https://doi.org/10.1007/s10722-023-01780-9>.
10. Patel, K.V., Katba, P.J., Patel, M.P., Bhanvadia, A.S. & Chavadhari, R.L. (2023). ANDCP 1601: A pistillate line of castor (*Ricinnus communis* L.) with unique morphological characters and resistant to wilt (*Fusarium oxysporum* f.sp. ricini) *Biological Forum – An International Journal*, 15(9), 583-587.

### (ii) National Journal

1. Hubert, G.Y., Mankad, P.M., Shah, A.K., Patel, N.J., Acharya, R.R. & Talati, G.J. (2017). Effect of Storage Temperature on Vitamin C, Total Phenolics, UPLC Phenolics Acid Profile and Antioxidant Capacity of Eleven Potato (*Solanum tuberosome*) Varieties. *Horticultural Plant Journal*, 3(2), 73-89.

2. Prajapati, D.G., Satodiya, B.N. & Nagar Pawan (2017). Effect of storage period & growing media on seed germination & physiological attributes of acid lime seedling (*Citrus aurantifolia* Swingle) cv.Kagzi. *International Journal of Chemical Studies*, 5(5),1945-1948.
3. Prajapati, D.G., Satodiya, B.N., Dasai, A.B. & Nagar Pawan (2017). Influence of storage period & growing media on seed germination & growth of acid lime seedlings (*Citrus aurantifolia* Swingle) cv.Kagzi. *International Journal of Chemical Studies*, 6(4),1641-1645.
4. Vasara, R.P., Satodiya, B.N., Tsomu, T.T & Kore, P.K. (2017). Effect of tying materials on softwood grafting in mango (*Mangifera indica* L.) cultivars under middle Gujarat conditions. *International Journal of Chemical Studies*, 5(5), 84-96.
5. Joshi, V.I., Patel, N.A., Acharya, R.R., Satodiya, B.N. & Patel, P.D. (2017). Impact of Decapitation & PGR's on seed yield & its attributes in cluster bean cv. Pusa Navbahar. *Trend in Biosciences*, 10(35), 7352-7354.
6. Joshi, V.I., Patel, N.A., Acharya, R.R., Satodiya, B.N. & Patel, P.D. (2017). Impact of Decapitation & PGR's on seed yield & its attributes in cluster bean [*Cyamopsis tetragonoloba* (L) Taub] seed cv.Pusa Navbahar. *Trend in Biosciences*, 10(31), 6635-6640.
7. Patil, D. D., Vyas Pandey, Acharya, R.R. & Baraiya, L.N. (2018). Effect of intra-seasonal variation in temperature on tuber yield of potato in middle Gujarat using SUBSTOR model. *Journal of Agrometeorology* 20 (1), 22-27.
8. Prabakaran, A.J., Lavanya, C., Manjunatha, T., Balakishan, G., Duraimurugan, P., Santha Lakshmi Prasad, Senthilvel, S., Suresh, G. Lakshamma, P., Prasad, R. D., Ramya, K.T., Praduman Yadav, Jawaharlal, J., Sarada, C., Patel, D.K., Patel, C.J. Patel, M.P. Kumar, S., Varaprasad, K.S. & Vishnuvardhan Reddy, A. (2018). ICH-66, a new high yielding and biotic stress-resistant castor hybrid suitable for rainfed conditions of Peninsular. *Indian Journal of Oilseeds Research*, 35(4), 252-259.
9. 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.
10. Patel, B.C., Patel, M.P. & 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.
11. Nagar Pawan, K., Satodiya, B.N., Prajapati., D.G., Nagar, S. & Patel, K.V. (2018). Assessment of genetic variability & morphological screening of guava (*Psidium guajava* L.) hybrids. *The Pharma Innovation Journal*, 7(8), 35-40.
12. Parekh, D.D., Masu, M.M., Satodiya, B.N., Patel, H.C. & Shah, N.I. (2018). Effect of different spacing & plant growth regulators on growth parameters of spider lily under middle Gujarat agro climatic conditions. *International Journal of Science Environment*, 7(1), 292-298.
13. Masu, M.M., Parekh, D.D., Satodiya, B.N., Patel, H.C. & Shah, N.I. (2018). Influence of different spacing & plant growth regulators on flower yield & vase life of spider lily under Middle Gujarat Agro Climatic conditions. *Gujarat Agricultural Universities Research Journal*.43(1), 30-39.
14. Prabakaran, A.J., Lavanya, C., Manjunatha, T., Balakishan, G., Duraimurugan, P., Prasad, M., Santha Lakshmi, Senthilvel, S., Laskshamma, P., Prasad, R.D., Ramya,

- K.T., Praduman Yadav, Jawaharlal, J., Sarada, C., Patel, D.K., Patel, C.J., Mukesh Patel, Sunil Kumar, Varaprasad, K.S. & Reddy, A.V. (2019). ICH-66, a new high yielding and biotic stress-resistant castor hybrid suitable for rainfed conditions of Peninsular India. *Journal of Oilseeds Research*, 35(4), 252-259.
15. Thakur, K., Satodiya, B.N. & Parmar, S.K. (2019). Effect of integrated nutrient management on growth, yield & economics of brinjal (*Solanum menongena*) cv. GABH 3. *International Journal of Chemical Studies*, 7(4), 1440-1442.
  16. Parmar, S.K., Satodiya, B.N., Raval, C.H. & Thakur, K. (2019). Influence of plant geometry & integrated nutrient management on growth & yield of cluster bean (*Cyamopsis tetragonoloba* L. Taub) cv. Pusa Navbahar. *Journal Pharmacognosy & Phytochemistry*. 8(5), 2138-2140.
  17. Parmar, S.K., Satodiya, B.N. & Thakur, K. (2019). Effect of spacing & integrated nutrient management on yield attributes, yield & quality of cluster bean (*Cyamopsis tetragonoloba* L. Taub) cv. Pusa Navbahar. *International Journal of Chemical Studies*, 7(5), 2502-2505.
  18. Varghese, M. & Patel, M.P. (2020). Estimation of combining ability of yield and different agronomic traits in interspecific cotton hybrids. *Electronic Journal of Plant Breeding*, 11(4), 1015-20.
  19. Manjunatha, T., Lavanya, C., Senthilvel, S., Patel, M.P., Ramya, K.T. & Sarada, C. (2020). Relationship of node number with days to flowering and yield traits in castor (*Ricinus communis* L.) hybrids under rainfed and irrigated conditions. *Journal of Oilseeds Research*, 37 (4), 245-52.
  20. Chaudhari, V.K. & Patel, M.P (2020). Effect of variability in genotypes on major insect pests of Green gram. *Trends in Biosciences*, 13(9), 549-45.
  21. Satodiya, B.N., Bhatt, A.H., Maheriya, P.A., & Shah, N.I. (2020). Effect of plant geometry on growth & yield of capsicum under open ventilated poly house. *International Journal of Chemical Studies*, 8(5), 1745-1747.
  22. Vadodariya, J.M., Patel, B.C., Patel, M.P, Kumar, D. & Patel, S.K. (2022). Studies on combining ability and gene action for seed cotton yield and its component traits in interspecific hybrids of cotton. *The Pharma Innovation Journal*, 11(10), 1090-97.
  23. Vadodariya, J.M., Patel, B.C., Patel, M.P., Patel, S.K. & Panchal, S.D. (2022). Heterosis estimation for seed cotton yield and its component traits in interspecific hybrids of cotton. *The Pharma Innovation Journal*, 11(10), 1080-89.
  24. Akbari, K.M. Patel, M. P., Borkhatariya, T.H., Sondarava, P.M. and Delvadiya, J.B.(2023). Interpreting genotype  $\times$  environment interaction in greengram (*Vigna radiata* L. Wilczek) using Eberhart and Russell Model. *Electronic Journal of Plant Breeding*, 13(4), 1326-1333.
  25. Lavudya, S., Patel, M.P., Kumar, S., Singh, A., Venna, S., Ellandula, A., Kumar, B.S, Datta, M.H. Moanty, T.A., & Singh, D. (2023). Utilizing selection indices to enhance genetic gain in turmeric (*Curcuma longa* L.). *Electronic Journal of Plant Breeding*, 14(3), 1215-1221.
  26. Patel, M.P., Satodiya, B.N., Patel, K.V., Baldaniya, N. & 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.