

PUBLICATIONS

Research Papers

1. Mankad, M., Patil, G., Patel, D., Patel, P. and Patel, A. (2020). Comparative studies of sunlight mediated green synthesis of silver nanoparticles from *Azadirachta indica* leaf extract and its antibacterial effect on *Xanthomonas oryzae* pv. *oryzae*. ***Arabian Journal of Chemistry***, 13: 2865-2872.
2. Singh B., Gajera B., Desai P., Modi A., Patil G. and Narayanan S. (2020). Micropropagation protocol for *Stevia rebaudiana* through axillary shoot proliferation. ***Indian Journal of Agricultural Sciences***. 90 (3). 483-488.
3. Panchal G., Hati S. AND Sakure A. (2020). Characterization and production of novel antioxidative peptides derived from fermented goat milk by *L. fermentum*. ***LWT***, 119: 108887.
4. Bhalodiya, D., Dhaduk, H.L., Kumar, S., Gediya, L.N., Patel, H.P. (2019). Line x tester analysis for seed yield, protein and oil content and SSR based diversity in sesame (*Sesamum indicum* L.). ***Ecological Genetics and Genomics***, 13. 100048.
5. Desai, P., Desai, S., Patel, A., Mankad, M., Gajera, B., Patil G. and Narayanan, S. (2019). Development of efficient micropropagation protocol through axillary shoot proliferation for *Bambusa vulgaris* 'wamin' and *Bambusa bambos* and assessment of clonal fidelity of the micropropagated plants through RAPD markers. ***Agriculture & Natural resources***, 53: 26-32.
6. Gediya, L.N., Patel, D.A., Kumar, S., Kumar D. and Parmar D.J. (2019). Phenotypic variability, path analysis and molecular diversity analysis in chickpea (*Cicer arietinum* L.). ***Vegetos***, 32: 167
7. Kalariya K, Gajbhiye, N., Minipara, D., Meena, R.P., Kumar, S., Saha, A., Trivedi, A., Manivel, P. (2019). Deep sequencing-based de novo transcriptome analysis reveals biosynthesis of gymnemic acid in *Gymnema sylvestre* (Retz.) Schult D. ***Ecological Genetics and Genomics***, 13: 100047
8. Kanani, P., Gajera, B., Patel, A., Patil, G. and Narayanan, S. (2019). *Cuminum Cyminum* L.: Development of plant regeneration protocol *in vitro*. ***International Journal of Current Research***. 11 (4): 3231-3237.
9. Mishra A., Gajera B. and Subhash N. (2019). Genetic diversity analysis of rice germplasm in Gujarat state of India using simple sequence repeat markers. ***Journal of Rice Research*** 12: 25
10. Kinariwala D., Panchal G., Sakure A., Hati S. (2019). Exploring the potentiality of Lactobacillus cultures on the production of milk-derived bioactive peptides with antidiabetic activity. ***International Int J Pept Res Ther***. 26: 1613-1627.
11. Rahevar, P.M., Patel, J.N., Kumar, S. and Acharya R.R. (2019). Morphological, biochemical and molecular characterization for genetic variability analysis of *Capsicum annum*. ***Vegetos*** 32: 131
12. Rumi Patel, Rukhsar, Akarsh Parihar, Dipanki Patel and Dinesh J. Parmar (2019). Genetic Analysis and Trait Association in F₂ Interspecific Population in Tomato (*Solanum lycopersicum* L.) using Third and Fourth Degree Statistics ***International Journal of Current Microbiology & Applied Sciences***, 7(12): 2933-2937.

13. Thakor M. C., Fougat R. S., Kumar S., Sakure A. A. (2019). Sequence-related amplified polymorphism (SRAP) analysis of teak (*Tectona grandis* L.) germplasm. ***Ecological Genetics and Genomics***, 12: 100041
14. Desai, S., Desai, P., Mankad, M., Patil, G., Patel, M. A. and Narayanan S. (2018). Assessment of genetic variability among various genotypes of critically endangered and medicinally important species: *Chlorophytum borivilianum* using RAPD markers. ***European Journal of Biotechnology & Bioscience***, 6(6): 8-12.
15. Kulkarni V. M., Patel B. R. and Parihar A (2018). Heterosis studies in Okra (*Abelmoschus esculentus* (L.) MOENCH.) for green fruit yield and quality parameters over the environments. ***Frontiers in Crop Improvement***, 6 (2) : 81-85.
16. Desai S., Desai P., Mankad M., Patel A., Patil G. and Narayanan S. (2018). *In vitro* response of nine different genotypes of safed musli (*Cholorophytum borivilianum*) using crown shoot bud as an explants. ***International Journal of Pure and Applied Biosciences***, 6(1): 1414-1420.
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18. Desai S., Desai P., Mankad M., Patel A., Patil G. and Narayanan S. (2018). Development of micropropagation protocol for *Morus nigra* L. (black mulberry) through axillary buds. ***International Journal of Chemical Studies***, 6(2): 585-589.
19. Parekh M. J., Kumar S., Fougat R. S., Zala H. N., Pandit, R. (2018) Transcriptomic profiling of developing fiber in levant cotton (*Gossypium herbaceum* L.). ***Functional & Integrative Genomics***, 18 (2):211–223.
20. Kumar A., Kumar S., Fougat R.S., Zala H.N. (2018) *In-silico* identification and validation of miRNAs in pearl millet [*Pennisetumglaucum* L.]. ***Current Plant Biology***, 14: 41-49.
21. Kanani P., Shukla Y.M., Modi A.R., Subhash N., Kumar S. (2018). Standardization of an efficient protocol for isolation of RNA from *Cuminum cyminum*. ***Journal of King Saud University – Science***, 31: 1202-1207.
22. Desai, P., Patil, G., Dholiya, B., Desai, S., Patel, F. and Narayanan, S. (2018). Development of an efficient micropropagation protocol through axillary shoot proliferation for pomegranate variety ‘Bhagwa’. ***Annals of Agrarian Science***, 16: 444-450.
23. Saiyad M. M., Kumar S. (2018). Evaluation of maize genotypes for fodder quality traits and SSR diversity. ***J Plant Biochem Biotech***, 27: 78–89
24. Patel S., Dhaduk H. and Kumar S. (2017). Identification of reference genes for real time PCR analysis in Dill seed (*Anethum sowa*). ***International Journal of Seed Spices***, 7 (1): 82-85.
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- downy mildew (*Sclerospora graminicola* Sacc.) resistance in pearl millet [*Pennisetum glaucum* (L.) R. Br.]. *J Plant Biochem Biotech*, 26(3): 356–365.
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- relevant dbEST-SSR markers and their utility in revealing genetic diversity in diploid cotton (*Gossypium herbaceum* and *G. arboreum*). **Industrial Crops & Product**, 83: 620-629.
54. Kulkarni K. S., Zala H. N., Bosamia T. C., Shukla Y. M., Joshi C. G., Kumar S., Fougat R. S., Narayanan S., Patel M. S. (2016) De novo transcriptome sequencing to dissect candidate genes associated with pearl millet-downy mildew (*Sclerospora graminicola* Sacc.) interaction. **Frontiers in Plant Science**, 7: 847.
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Book Chapters

1. R Sharma, S Kumar, HR Mahla, V Khandelwal, PK Roy, MM Sundaria (2020) Moth Bean. *In* The Beans and the Peas: From Orphan to Mainstream Crops, pp. 67-88, **Elsevier Publication**
2. Kathiria K.B., Parihar A. and Prabhu K.V. (2019). Impact of genetically modified crops and potential future benefits for increasing farmers' income in India *In: Strategies for Doubling the Farmers' Income (A Gujarat Perspective)*. Pp 97-120. **Satish Serial Publishing House**, Delhi, India.
3. Fougat R. S., Kumar S. and Plave A (2019). Biotechnological approaches for enhancing quality parameters of trichoderma for plant disease management. *In* Microbial Antagonists: Their Role in Biological Control of Plant Diseases, Part - I: Fungal Antagonists. Pp. 151-167. **TTP & Publishers**, N. Delhi, India.
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