

Papers Published in Journals

Sr. No.	Details of Publication	NAAS Rating
1.	Chormule, S. R. and Patel J. B. 2018. Effect of spacing and plant growth regulators on seed yield and seed quality parameters in okra [<i>Abelmoschus esculentus</i> (L.) Moench.]. <i>Journal of Pharmacognosy and Phytochemistry</i> , 7 (2): 3041-3048.	5.21
2.	Chormule, S. R., Changade and N. M. and Patel J. B. 2018. Effect of seed treatments on storability of vegetable seeds: A Review. <i>Plant Archives</i> , 18 (1): 28-32	4.41
3.	Ginoya, A. V.; Patel, J. B.; Delvadiya, I. R. and Jethva, A. S. 2018. Effect of bulb size and plant spacing on seed quality parameters of onion (<i>Allium cepa</i> L.) cv. GJWO 3. <i>Journal of Pharmacognosy and Phytochemistry</i> , 7(3): 2511-2515.	5.21
4.	Ginoya, A. V.; Patel, J. B.; Jethva, A. S. and Delvadiya, I. R. 2018. Effect of bulb size and spacing on seed production of onion. <i>Seed Research</i> , 46(2): 175-180.	4.72
5.	Ginoya, A. V.; Patel, J. B.; Delvadiya, I. R. and Jethva, A. S. 2018. Effect of bulb size and plant spacing on seed yield and economics of onion (<i>Allium cepa</i> L.) seed production. <i>Plant Archives</i> , 18(2): 1479-1482.	4.41
6.	Shah, Siddhi; Patel, J. B. and Patel, Nikita. 2018. Stability analysis in bread wheat (<i>Triticum aestivum</i> L.). <i>Journal of Pharmacognosy and Phytochemistry</i> , 7(4): 290-297.	5.21
7.	Sapara, G. K.; Patel, J. B.; Parmar, R. S. and Barad, H. R. 2018. Inbreeding depression for quantitative traits in sesame [<i>Sesamum indicum</i> L.] over environments. <i>AGRES- An International e-Journal</i> , 7(3): 361-373.	3.65
8.	Chormule, S. R.; Patel, J. B.; Changade, N. M. And Sukul Premasis. 2018. Effect of seed containers and storage condition on storability of vegetable seeds: A review. <i>AGRES- an International e-Journal</i> , 7(3): 310-327.	3.65
9.	Babariya, C. A.; Dhaduk, L.K.; Sapovadiya, M. H. and Ukani, J. D. 2018. Heterosis and inbreeding depression for seed yield and its components in cowpea [<i>Vigna unguiculata</i> (L.) Walp.]. <i>AGRES – An International e. Journal</i> , 7 (2): 156-166	3.65
10.	Ansodariya, S. N.; Babariya C. A.; Kanani, D. K. and Hadavan, J. K. 2018. Effect of seed priming on physiological changes associated with seed deterioration during storage periods in soybean (<i>Glycine max</i> L. Merrill.). <i>International journal of Chemical Studies</i> , 6(3): 3174-3182	5.31
11.	Ansodariya, S. N.; Babariya, C. A.; Bhoot, H. V. and Savaliya, D. V. 2018. Influence of seed priming on field performance in Soybean (<i>Glycine max</i> L. Merrill.). <i>AGRES – An International e. Journal</i> , 7(3): 343-348	3.65
12.	Sapara, G. K.; Patel, J. B. and Barad, H. R. 2019. Heterosis for yield and its components in sesame [<i>Sesamum indicum</i> L.] over environments. <i>Electronic Journal of Plant Breeding</i> , 10(1): 207-213.	4.97

13.	Mori Kiran, K.; Patel, J. B. And Mori Vaishali, K. 2019. Heterosis and inbreeding depression for seed yield and its component traits in castor (<i>Ricinus communis</i> L.) <i>AGRES- An International e-Journal</i> , 8(1): 43-52.	3.65
14.	Ginoya, Aarti, V. and Patel, J. B. 2019. Effect of bulb size and spacing on quality seed production of onion (<i>Allium cepa</i> L.): A review. <i>AGRES- an International e-Journal</i> , 8(1): 1-15.	3.65
15.	Katariya, H. M.; Khanpara, M. D.; Zarna, Vora; Parmar, Rakesh; Patel, J. B.; Kulkarni, G. U.; Raval, L. J.; Mehta, D. R. And Kumar, Rajiv. 2019. Stability analysis in pearl millet [<i>Pennisetum glaucum</i> (L.) R. Br.]. <i>International Journal of Chemical Studies</i> , 7(2): 242-251.	5.31
16.	Mori Kiran K.; Patel J. B. and Mori Vaishali K. 2019. Gene Effects for Oil Content in Castor (<i>Ricinus communis</i> L.). <i>Ind. J. Pure App. Biosci.</i> , 7(6), 234-238.	4.74
17.	Piprotar, P. V.; Babariya C. A. And Savaliya, D. V. 2019. Effect of different seed priming treatments on seed yield and yield contributing characters in groundnut (<i>Arachis hypogaea</i> L.). <i>AGRES – An International e. Journal</i> , 8(2): 153-159	3.65
18.	Karthikeya Reddy, S. G. P.; Babariya, C.A. and Sapovadiya, M.H. 2019. Assessment of genetic diversity in bread wheat (<i>Triticum aestivum</i> L.) genotypes. <i>International Journal of Current Microbiology and Applied Sciences</i> , 8(6): 1714-1719	5.38
19.	Karthikeya Reddy, S. G. P. and Babariya, C. A. 2019. Correlation and path analysis in wheat (<i>Triticum aestivum</i> L.) genotypes for yield and its attributes. <i>AGRES – An International e. Journal</i> , 8(1): 63-71	3.65
20.	Sapara, G. K.; Patel, J. B. and Parmar, R. S. 2019. Genetic analysis for quantitative traits in sesame (<i>Sesame indicum</i> L.). <i>Plant Archives</i> , 19(1): 1804-1814	4.41
21.	K. P. Chauhan, C. A. Babariya, A. B. Hirpara and P. A. Babariya 2020. Characterization of bread wheat (<i>Triticum aestivum</i> L.) genotypes through chemical Tests. <i>Indian journal of pure and applied biosciences</i> , 8(2):364-369	4.74
22.	S. G. P. Karthikeya Reddy and C. A. Babariya. 2020.Selection indices for yield improvement in bread wheat (<i>Triticum aestivum</i> L.). <i>Electronic Journal of Plant Breeding</i> , 11(1):314-317	4.97
23.	Chauhan K. P.; Babariya C. A.; Vaghasiya K.P.: L.K. Sharma and G.U. Kulkarni 2020. Characterization of bread wheat (<i>Triticum aestivum</i> L.) genotypes through plant morphological characters. <i>Progressive Research – An International Journal</i> , 15 (2):112-119	3.84
24.	Chauhan K. P.; Babariya C. A.; Hirpara A. B. and P. A. Babariya 2020. Characterization of bread wheat (<i>Triticum aestivum</i> L.) genotypes through seed morphology. <i>Journal of Pharmacognosy and Phytochemistry</i> , 9 (2):344-347	5.21
25.	Karthikeya Reddy S. G. P. and Babariya C. A. 2020. Selection indices for yield improvement in bread wheat (<i>Triticum aestivum</i> L.). <i>Electronic Journal of Plant Breeding</i> , 11 (1):314-317	4.97

26.	Karthikeya Reddy S.G.P.; Babariya C. A. and Sapovadiya M. H. 2020. Assessment of genetic diversity in bread wheat (<i>Triticum aestivum</i> L.) genotypes. <i>International Journal of Current Microbiology and Applied Sciences</i> , 8 (6):1714-1719.	5.38
27.	Karthikeya Reddy, S. G. P. and Babariya, C. A. 2020. Correlation and path analysis in wheat (<i>Triticum aestivum</i> L.) genotypes for yield and its attributes. <i>AGRES – An International e. Journal</i> , 8 (1):63-71	3.65
28.	Balat, J. R.; Patel, J. B.; Delvadiya, I. R. and Joshiyara, N. S. 2020. Heterosis for fruit yield and its components in bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.]. <i>Journal of Pharmacognosy and Phytochemistry</i> , 9 (5): 226-233.	5.21
29.	Odedara, Geeta, N.; Patel, J. B. And Balat, J. R. 2020. Generation mean analysis for fruit yield and its components in bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.]. <i>Journal of Pharmacognosy and Phytochemistry</i> , 9 (5): 840-851.	5.21
30.	Bhuva, R. B.; Babariya, C. A.; Movaliya, H. M.; Gadhiya, J. A. and Balar, V. S. 2020. Correlation and path analysis for seed yield in soybean [<i>Glycine max</i> (L.) Merrill]. <i>Indian Journal of Pure and Applied Bioscience</i> , 8 (4):375-380	4.74
31.	Sruthi, D.; Babariya, C. A.; Mahesh, B. and Suryateja, T. 2020. Studies on stigma receptivity for hybrid seed production in okra (<i>Abelmoschus esculentus</i> (L.) Moench). <i>Journal of Pharmacognosy and Phytochemistry</i> , 9 (5):820-22.	5.21
32.	Bhuva, R. B.; Babariya, C. A.; Balar, V. S. and Gadhiya, J. A. 2020. Selection indices for improvement of seed yield in soybean [<i>Glycine max</i> (L.) Merrill]. <i>Journal of Pharmacognosy and Phytochemistry</i> , 9 (2):546-548	5.21
33.	Sruthi D.; Babariya, C. A.; Hemalatha, M. and Mahesh, B. 2020. Effect of time of pollination on fruit set, seed yield and seed quality of okra hybrid (<i>Abelmoschus esculentus</i> (L.) Moench). <i>Indian Journal of Pure and Applied Bioscience</i> , 8 (4): 517-521	4.74
34.	Odedara Geeta N.; Patel, J. B. and Odedara Manisha N. 2020. Gene action study for fruit yield and its components in bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.] through generation mean analysis. <i>Indian Journal of Pure and Applied Biosciences</i> , 8 (4): 522-534.	4.74
35.	Bhuva, R. B. and Babariya, C. A. 2020. Genetic variability, heritability and genetic advance in soybean [<i>Glycine max</i> (L.) Merrill]. <i>International Journal of Agriculture and Plant Science</i> , 2 (4):14-18	4.20
36.	Babariya, C. A. Patel, J. B. Sondarva Jyoti, and Savaliya, D. V. 2020. Effect of Micronutrient Application on Seed Yield and Quality of Coriander. <i>Seed Res.</i> , 48 (2): 105-114.	4.29
37.	Patel, D. S., Patel, J. B. and Hirpara, A. B. 2020. Influence of Harvesting Stages on Seed Quality Parameters in Chickpea (<i>Cicer arietinum</i> L.) Varieties. <i>Seed Res.</i> , 48 (2): 190-194	4.29
38.	Odedara, Geeta N.; Patel, J. B. and Gauswami Jyoti J. 2021. Studies on heterosis and inbreeding depression in bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.] through generation mean analysis. <i>Indian Journal of Pure and Applied Biosciences</i> , 9 (1): 132-139.	4.74

39.	Sondarva Jyoti; Patel, J. B. and Babariya, C. A. 2021. Study the fresh seed dormancy in sesame (<i>Sesamum indicum</i> L.). <i>Indian Journal of Pure and Applied Biosciences</i> , 9(1): 457-462.	4.74
40.	Sorathiya, H. P.; Babariya, C. A.; Babiaya, A. V. and Rathod, V. T. 2021. Phenotypic and genotypic path coefficient analysis in black sesame (<i>Sesamum indicum</i> L.). <i>Journal of Emerging Technologies and Innovative Research</i> , 8 (8):379-383.	-
41.	Bhoot, H. V.; Kulkarni, G. U.; Patel, J. B.; Sharma, L. K.; Vaghasiya, K. P.; Patel, V. S.; Bhardwaj gargi and Singh Omkar. 2021. Study of fresh seed dormancy in sesame (<i>Sesamum indicum</i> L.) varieties. <i>Frontiers in Crop Improvement</i> , 9: 1276-1278.	4.67
42.	Bhoot, H. V.; Kulkarni, G. U.; Sharma, L. K.; Patel, J. B.; Usadad, J. S.; Mori, R. B.; Bhardwaj gargi and Singh Omkar. 2021. Effect of nipping on seed yield and component characters on sesame (<i>Sesamum indicum</i> L.) varieties. <i>Frontiers in Crop Improvement</i> , 9: 1279-1284.	4.67
43.	Bhoot, H. V.; Kulkarni, G. U.; Patel, J. B.; Sharma, L. K.; Chauhan, K. P. and Ansodariya, S. N. 2021. Effect of spacing on seed yield and component characters on sesame (<i>Sesamum indicum</i> L.) varieties. <i>Frontiers in Crop Improvement</i> , 9: 1285-1293.	4.67
44.	Ginoya, A. V.; Patel, J. B. and Delvadiya, I. R. 2021. Efficacy of fruit load and growth regulators on fruit set, seed yield and quality of brinjal hybrid cv GJBH 4. <i>Biological Forum – An International Journal</i> , 13(1): 324-332.	5.11
45.	Balat, J. R.; Patel, J. B.; Delvadiya, I. R. and Ginoya, A. V. 2021. Stability analysis for fruit yield and its components in bottle gourd [<i>Lagenaria siceraria</i> (Mol.) Standl.]. <i>Biological Forum – An International Journal</i> , 13(1): 409-419.	5.11
46.	Mori, K. K.; Patel, J.; Rani, K.; Mori, V. K.; Kumar, M. and Ajay, B. C. 2021. Deciphering higher order non-allelic interactions for quantitative characters through twelve generation mean analysis in castor (<i>Ricinus communis</i> L.). <i>Genet Resour Crop Evol.</i> , : 1-27 (http://doi.org/10.1007/s10722-021-01339-6)	7.52
47.	Deshmukh, D. S.; Babariya C. A.; Jadav, M. J. and Mandod, P. G. 2022. Effect of apical pinching and growth retardants on seed yield parameter of okra (<i>Abelmoschus esculentus</i> (L.) Moench.) cv. GO-6. <i>The Pharma Innovation Journal</i> . 11(9): 2841-2843.	5.23
48.	Sorathiya, H. P.; Babariya, C. A.; Babiaya, A. V. and Rathod, V. T. 2022. Phenotypic and genotypic path coefficient analysis in black sesame (<i>Sesamum indicum</i> L.). <i>Journal of Emerging Technologies and Innovative Research</i> . 8 (8): 379-383.	3.65
49.	Vaghasiya, K. P.; Patel, J. B.; Sondarva, J. R.; Vora, D. V. and Bhoot, H. V. 2022. Influence of seed invigouration treatments on seed quality parameters of soybean [<i>Glycine max</i> (L.) Merrill]. <i>The Pharma Innovation Journal</i> , 11(6): 2061-2063.	5.23
50.	Patel, J. B.; Vaghasiya, K. P. and Sondarva, J. R. 2022. Effect of pre-sowing and pre-storage seed treatments on seed quality, field performance and storage potential in soybean [<i>Glycine max</i> (L.) Merrill]: A review. <i>The Pharma Innovation Journal</i> ,	5.23

	11(8): 1229-1240.	
51.	Patel Nikita S.; Patel, J. B. and Kumar Ramesh. 2022. Study of Direct and in direct effects of different yield components on grain yield in bread wheat using path analysis for timely and late sown conditions. <i>Frontiers in Crop Improvement</i> , 10(Special Issue 1): 496-501.	4.67
52.	Patel, J. B.; Vaghasiya, K. P. and Sondarva, J. R. 2022. Effect of pre-sowing and pre-storage seed treatments on seed quality, field performance and storage potential in soybean [<i>Glycine max</i> (L.) Merrill]: A review. <i>The Pharma Innovation Journal</i> , 11(8): 1229-1240.	5.23
53.	Kiran K. Mori, Jagdish Patel, Kirti Rani, Vaishali k. Mori, Mithleah Kumar and B. C. Ajay. 2022. Deciphering higher order non-allelic interactions for quantitative characters through twelve generation mean analysis in castor (<i>Ricinus communis</i> L.). <i>Genet. Resour. Crop Evol.</i> , Published online (http://doi.org/10.1007/s10722-021-01339-6)	7.52
54.	Patel, Nikta S.; Patel, J. B. and Raval Lata J. 2022. Genetic Variability Study in Bread Wheat (<i>Triticum aestivum</i> L.) under Normal and Late Sown conditions. <i>Biological Forum – An International Journal</i> , 14(2): 948-954.	5.11
55.	Savaliya J. G., Babariya C. A., Prajapati M. R., Jadav M. J. and Mori R. B. (2023). Characterization of black sesame (<i>Sesamum indicum</i> L.) genotypes through chemical tests. <i>Biological Forum – An International Journal</i> , 15(2):916-922.	5.11
56.	Patel Nikita S.; Patel, J. B.; Shekhawat, Virendra Singh and Kumar Ramesh. 2022. Stability analysis for grain yield and its components in bread wheat (<i>Triticum aestivum</i> L.). <i>Agricultural Mechanization in Asia</i> , 53(7): 9781-9797.	6.14
57.	Patel, J. B.; Babariya, C. A.; Sondarva, J. R. and Savaliya, D. V. (2023). Seed hub project on “Creation of seed hubs for enhancing quality seeds availability of major oilseeds crops-Groundnut”:A Success story at JAU Junagadh. <i>Agrigate-An International Multidisciplinary e-Magazine</i> , 3(7):187-193.	-
58.	Patel, Nikita, S.; Patel Jagdish B. and Tomar Rukam S. 2023. Identification of heat tolerant bread wheat (<i>Triticum aestivum</i> L.) genotypes through heat susceptibility index (HSI) and SSR markers. <i>Cereal Research Communications</i> , published online https://doi.org/10.1007/s42976-023-00426-x	7.24
59.	Mori, R. B.; Patel, J. B.; Vaghasiya, K. P.; Bhoot, H. V. and Barad, A. V. 2024. Effect of seed priming on germination and seedling growth of sesame (<i>Sesamum indicum</i> L.). <i>Biological Forum – An International Journal</i> , 16(3): 78-82.	4.96
60.	Kothadiya, D. B.; Babariya, C. A.; Mori, R. B. and Bheda, D. B. 2024. Effect of different ogoprining treatments on seed germination and quality characters of coriander (<i>Coriandrum sativum</i> L.). <i>Biological Forum – An International Journal</i> , 16(12): 78-82.	4.96
61.	Gundariya Yash, Sapovadiya M. H. and Chaudhari S. B. 2023. Effect of pollination time on boll set, seed yield and seed quality of American cotton [(<i>Gossypium hirsutum</i> L.) cv. G.cot.Hy. – 24 BG – II]. <i>International Journal for Research</i>	-

	<i>Trends and Innovation</i> , 8 (8): 531-534.	
62.	Sondarva, Jyoti; Patel, J. B. and Vaghasiya, K. P. 2023. Effect of seed pelleting on longevity of onion (<i>Allium cepa</i> L.) seeds during storage. <i>The Pharma Innovation Journal</i> , 12(8): 2615-2619.	5.23
63.	Sondarva, Jyoti ; Patel, J. B. and Vaghasiya, K. P. and Vora, D. V. 2023. Effect of seed treatments, packaging materials and storage conditions on seed longevity in onion (<i>Allium cepa</i> l.). <i>Seed Res.</i> , 51(1): 26-33.	4.29
64.	Ginoya, A. V.; Patel, J. B. and Delvadiya, I. R. 2024. A comprehensive approach to improve brinjal hybrid seed yield through emasculation, timing, and crossing ratio. <i>Electro. J. Plant Breed.</i> , 15(1) : 209 - 216	5.60
65.	Ginoya, A. V.; Patel, J. B. and Delvadiya, I. R. 2024. Optimized protocol for <i>in vitro</i> pollen germination in brinjal (<i>Solanum melongena</i> L.). <i>Indian J. Agril. Res.</i> , doi: 10.18805/IJARE.A-6138	5.60
66.	D. S. Deshmukh, C. A. Babariya, M. J. Jadav, J. B. Patel And P. G. Mandod (2023). Effect of apical pinching and growth retardants on seed quality parameters of okra (<i>Abelmoschus esculentus</i> (L.) Moench.) cv. GO-6. <i>Seed Res.</i> , 51(1): 50-54	4.29
67.	R. B. Mori; J. B. Patel; A.V. Barad and J. R. Sondarva. 2025. Effect of seed pelleting and foliar nutrition on growth and yield traits of summer sesame (<i>Sesamum indicum</i> L.). <i>Plant Science Today</i> , DOI: https://doi.org/10.14719/pst.6529	6.9
68	Barad A. V., Patel, J. B., Mori R. B. and shikha dhiman (2025). Response of Cumin (<i>Cuminum cyminum</i> L.) to diferent seed priming treatments on germination and seed quality parameters in laboratory condition under different temperature regimes. <i>Internatlional Journal of Environment and Climate Change</i> 15 (5):487-95. https://doi.org/10.9734/Njecc/2025N15/54868 .	5.16
69	Sondarva J. R., Patel J. B., Savaliya D. V. and Babariya C. A. (2025). Impact of seed priming on heat stress mitigation in wheat (<i>Triticumaestivum</i> L.). <i>Plant Science Today</i> , 12 (sp4):1-8.	6.9
70	Bhamat P. C., Patel J. B., Mori R. B., Kothadiya D. B., Sondarva J. R. and Shikha, Dhiman. (2025).Seed yield and quality enhancement in off-season soybean (<i>Glycine max</i> L.)through plant growth regulators. <i>Plant Science Today</i> , 13 (sp1): 1-6.	6.9