

Summary of Research Publications by the NMCA faculty during 2021-22 to 2025-26

No. of publications in the year	No. of Research Publication with NAAS / Thomson & Reuters rating			
	Without NAAS rating	<5	5.0-7.5	> 7.5
2021-22	23	31	50	08
2022-23	10	18	111	15
2023-24	17	26	134	14
2024-25	18	18	105	16
2025-26	05	26	67	10
Total	73	119	467	63

Department Wise Research Paper Published (with NAAS rating >58) during the years 2021-22 to 2025-26:

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
Agronomy	Onte S., Gudadhe N. N.* , Karmakar N. and Ladumor R.G. (2021). Impact of cobalt application methods on chickpea yield, nutrient uptake and status of soil. <i>Legume Research</i> . 44(10): 1254-1259. DOI: 10.18805/LR-4223.	6.80
	Gudadhe N. N. * and Thanki J.D. (2021). Real-time nitrogen management in rice genotypes through leaf colour chart at critical growth stages. <i>Indian Journal of Fertilisers</i> 17(10):1040-1046.	5.29
	Harsh A Kamani, VG Bavalgave, Maitrik P Joshi and N. M Thesiya (2021). Growth and yield of sesame (<i>Sesamum indicum</i> L.) as Influenced by nitrogen levels and weed management practices under south Gujarat condition <i>International Journal of Chemical Studies</i> . 9(4): 10-14	5.31
	Y. A. Garde, R. R. Chavda, V. S. Thorat and R. R. Pisal (2021). Forecasting of area, productivity and prices of mango in Navsari district, Gujarat. <i>Journal of Crop and Weed</i> , 17(3): 17-28.	5.27
	Y. A. Garde, H. V. Gundaniya, V. S. Thorat, R. R. Pisal and Alok Shrivastava (2021). Forewarning of insect incidence based on weather variables for management of cropping practices in Sugarcane. <i>Environment Conservation Journal</i> , ISSN 0972-3099 (Print) 2278-5124 (Online).	5.01
	Terin Prakash, Gudadhe N. N. , Madagoudra Y. B., Lokesh R. and Terin Basavaraj (2022). Effect of spacing and cobalt application methods on root	5.07

	nodulation and yield of kabuli chickpea (<i>Cicer kabulium</i> L.) cultivars. <i>International Journal of Economic Plants</i> 9(1):045-048.	
	Onte S., Gudadhe N. N.* , Ladumor R. G., Karmakar Nilima and Singh, M. (2022). Identification of suitable cobalt application method and optimum level for enhancing of chickpea yield. <i>Legume Research</i> 45(9): 1143-1148. DOI: 10.18805/LR-4222.	6.80
	Gudadhe N.N.* , Imade S. R. and Thanki J.D. (2022). Effect of integrated nutrient management on rice-green gram cropping sequence. <i>Legume Research</i> 45(11): 1421-1427. DOI: 10.18805/LR-4307.	6.80
	Balaji A., Karmakar Nilima, Kamlesh Patel, Gudadhe Nitin , Patel Ritesh, Ajay Narwade, John Priya and Mishra Pradeep. (2022). Study on dhaincha (<i>Sesbania bispinosa</i>) genotypes for N-fixing capability and rate of mineralization under field and laboratory condition. <i>Organic Agriculture</i> doi.org/10.1007/s13165-022-00420-3	8.00
	Vadodariya P., Abuj B., Karmakar N., Gudadhe N. , Faldu P., Narwade A., Chauhan D., Kaur B. and Debnath M.K. (2022). Comparative biochemical study of different <i>Lablab purpureus</i> L. groups under processing. <i>Legume Research</i> . 45(11): 1362-1371. DOI: 10.18805/LR-4331.	6.80
	Rutul S.Patel, R. M. Pankhaniya , Dwani Bartwal and Akshay R. Katara (2022). Effect of nutrient management on growth, yield and economics of grain amaranth (<i>Amaranthushypochondriacus</i> L.) under south Gujarat condition, <i>The pharma innovation</i> , 11(6)1307-1310	5.23
	D.D.Gaikwad, R. M. Pankhaniya , Barkha Singh, K.G.Patel and H.M.Virdia (2022). Response of row arrangement nutrients levels on growth and productivity of maize intercropped with cowpea. <i>The pharma innovation</i> , 11(2) 1963-68	5.23
	D.D.Gaikwad, Dr. R. M. Pankhaniya , DR.Barkha Singh, Dr.K.G.Patel and DR. H.M.Virdia (2022). Studies on growth and productivity of maize-cowpea intercropping system under different spatial arrangements and nutrient levels. <i>The pharma innovation</i> ,11(2) 2506-42512	5.23
	Kushiram Kumawat, R. M. Pankhaniya and S. K. Parmar (2022). Determination critical period of crop-weed competition in aerobic rice. <i>The Pharma Innovation Journal</i> 11(11): xx-xx	5.23
	Kushiram Kumawat, R. M. Pankhaniya and S.K. Parmar (2022). Study on critical period of crop-weed competition on productivity and profitability of aerobic rice. <i>The Pharma Innovation Journal</i> ,11(11): 204-207	5.23
	H.P. Dholariya, Sonal Tripathi, R.R. Sisodiya, N. M. Thesiya , D. M. Damsiya and P. P. Javiya (2022). Effect of solid and liquid organic sources on content and uptake of micro-nutrients by finger millet (<i>Eleusine coracana</i> L.) grown under organic farming system. <i>The Pharma Innovation Journal</i> 11(12): 2417-2420	5.23
	S.K. Parmar , H.M. Virdia and R.M. Pankhaniya (2022). Response of integrated nutrient management on growth and yield of chickpea (<i>Cicer arietinum</i> L.). <i>The Pharma Innovation Journal</i> 11(7): 2841-2843	5.23

	S.K. Parmar , K. J Vihol, M. S. Dudhat, V. P. Usadadia and B.B.Tandel (2022). Response of integrated nutrient management on productivity,profitability and quality of summer sesamum. <i>The Pharma Innovation Journal</i> 11(7): 2000-2003	5.23
	Tandel, B. B. , Usadadiya, V. P., Parmar S. K. and Kaswala A. R.(2022). Effect of fertigation on growth and yield of <i>Bt. cotton (Gossypium hirsutum L.)</i> . <i>The Pharma Innovation Journal</i> 11(12):2022	5.23
	S. K. Parmar, H.M. Virdia , RM Pankhaniya and BB Tandel (2023). Effect of integrated nutrient management on productivity and profitability in chickpea: Fodder sorghum sequence. <i>The Pharma Innovation journal</i> 12(5): 3185-3189	5.23
	H M. Virdia , Vinjal Patel and Jinal Patel (2023). Effect of planting geometry for single eye budded settling on growth, yield and quality of Sugarcane under south Gujarat condition. <i>International Journal of Research and Analytical Reviews(IJRAR)</i> 10(2):762-768	5.13
	Kalal P.H. and Virdia H.M. (2023). Effect of Integrated nutrient management on growth, yield and quality of summer green gram (<i>Vigna radiata L.</i>): Kharif finger millet (<i>Eleusine coracana L.</i>) cropping sequence under south Gujarat condition <i>The Pharma Innovation journal</i> 12(10): 1093-1096	5.23
	R.M. Pankhaniya , B.B. Tandel, S.K. Parmar and J.D. Thanki (2023). Effect of integrated nutrient management on growth, yield, nutrient uptake and economic of lucerne (<i>Medicago sativa L.</i>). <i>The Pharma Innovation Journal</i> 12(6): 1695-1697	5.23
	R.M. Pankhaniya , B.B. Tandel, S.K. Parmar and J.D. Thanki (2023). Response of guinea grass (<i>Panicum maximum Jacq</i>) to organic and inorganic fertilizers <i>The Pharma Innovation Journal</i> 12(6): 1698-1701	5.23
	S.S. Sonavane, R.M. Pankhaniya , Mahaveer Choudhary and P.D. Solanki (2023). Effect of nutrient management on growth and yield of chickpea, <i>The Pharma Innovation Journal</i> 12(8): 1235-1237	5.23
	R.P. Vaja and R.M. Pankhaniya (2023) . Impact of sorghum-pulse intercropping with nitrogen levels on growth and yield of sorghum. <i>The Pharma Innovation Journal</i> 12(8): 1851-1853.	5.23
	Gudadhe Nitin N.* , Das Amaresh, Thanki J. D. and Patel M. C. 2023. Twenty-eight years long chemical fertilization effects on soil potassium status under rice-wheat-green gram cropping sequence. <i>Archives of Agronomy and Soil Science</i> 69(11):2121–2137.DOI:10.1080/03650340.2022.2140143	8.30
	Gudadhe Nitin N. * , Raut A.A., Bisht Kavita and Bisht Kamini 2023. Assessment of production trends, nutritional benefits, constraints, policy support, processing and value addition of millets for achieving higher productivity and nutritional security <i>Indian Journal of Fertilisers</i> 19 (10): 1020-1031	5.29
	Bisht Kavita, Bisht Kamini, Gudadhe Nitin N. , Raut A.A. and Dobhal Neetu 2023. Nutritional composition, health benefits, production,	5.29

	processing and marketing of finger millet <i>Indian Journal of Fertilisers</i> 19 (10): 1036-1046	
	Harsh A Kamani, Arvadiya L K , N M Thesiya and V G Bavalgave (2023). Effect of intercropping system and nitrogen levels on chemical properties of soil, nutrient content and uptake by pearl millet. <i>The Pharma Innovation Journal</i> 12(11): 2081-2084	5.23
	HP Dholariya, Navneet Kumar, RR Sisodiya, N.M. Thesiya and PP Javiya. (2023). Influence of different organics on soil physical and chemical properties by Finger millet (<i>Eleusine coracana</i> L.). <i>The Pharma Innovation Journal</i> 12(12): 2672-2677.	5.23
	Y. A. Garde, R. R. Chavda, V. S. Thorat, R. R. Pisal , Alok Shrivastava and Nitin Varshney (2023). Forecasting area, productivity and prices of mango in Valsad District of Gujarat: Time series analysis. <i>Environment Conservation Journal</i> , 24(2):218-227.	5.01
	Swapnil S. Dekhane, Narendra Kumar and R. R. Pisal (2023). Assessment of the Effect of Different Bio-Stimulants on the Growth, Quality, and Yield of Strawberries in a SubTropical Climatic Region: A Case Study. <i>Journal of Experimental Agriculture International</i> , 45 (12): 58-63.	5.14
	Sachin Dodiya, Rahul Pisal , Kuldip Chaudhary and Vishwa Gohil (2023). Agronomic study on cowpea growth and yield influenced by PGRs and foliar nutrition. <i>The Pharma Innovation Journal</i> , 12(12): 2757-2761.	5.23
	S.K. Parmar , H.M. Virdia and R.M. Pankhaniya and B.B. Tandel (2023). Effect of integrated nutrient management on productivity and profitability of chickpea-fodder sorghum sequence. <i>The Pharma Innovation Journal</i> 12(5):3185-3189	5.23
	Bhumika B Tandel , VP Usadadiya, Sejal K Parmar and AR Kaswala(2023). Effect of fertigation on physiological parameters of <i>Bt. cotton</i> (<i>Gossypium hirsutum</i> L.) <i>The Pharma Innovation Journal</i> 12(8):2023	5.23
	Khemendra Choudhary ^{a++*} , Ramesh M. Pankhaniya ^b , Mahendra Choudhary ^c , Raghuveer Choudhary ^d , Akshay Pareek ^a , Satya Narayan Gurjar ^e and Ganesha Ram ^f (2024). Effectiveness of Seed Priming and Fertilizer Levels on Nutrient Available and Uptake in <i>Rabi Maize</i> <i>International Journal of Plant & Soil Science Volume 36, Issue 8, Page 1-10, 2024; Article no.IJPSS.119504 ISSN: 2320-7035</i>	5.07
	Khemendra Choudhary ^{a*} , Ramesh M. Pankhaniya ^b , Mahendra Choudhary ^c , Akshay Pareek ^a , Raghuveer Choudhary ^d , Satyanarayan Gurjar ^e and Ganesha Ram ^f (2024). Effect of Seed Priming and Fertilizer Levels on Growth, Yield Attributes and Yield of <i>Rabi Maize</i> <i>International Journal of Environment and Climate Change Volume 14, Issue 6, Page 365-373, 2024; Article no.IJECC.118594 ISSN: 2581-8627 (Past name: British Journal of Environment & Climate Change, Past ISSN: 2231-4784)</i>	5.17
	Khemendra Choudhary ^{a*} , Ramesh M. Pankhaniya ^b , Mahendra Choudhary ^c , Raghuveer Choudhary ^d , Akshay Pareek ^a , Ganesha Ram ^e and Satya Narayan Gurjar ^f (2024). Impact of Seed Priming and Fertilizer	5.16

	Levels on Quality, Yield and Economics of Rabi Maize <i>Journal of Scientific Research and Reports Volume 30, Issue 7, Page 800-809, 2024; Article no.JSRR.119641 ISSN: 2320-0227</i>	
	Rutul Patel, R. M. Pankhania , Dhvani Bartwal and Armi Patel (2024) Residual, direct and interaction effect of nutrient management on growth, yield, quality, and economics of fodder maize and soil nutrient balance under grain amaranth (<i>Amaranthus hypochondriacus</i> L.)– fodder maize [<i>Zea mays</i> (L.)] sequence in Inceptisols of Western India. <i>Cereal Research Communications</i> https://doi.org/10.1007/s42976-024-00535-1	7.60
	Mandviwala M. S., Tripathi S., Gudadhe Nitin N. , Dudhat M. S. and Garde Y.A. 2024. Optimizing nitrogen efficiency, partitioning and balance using different ratios of organic and inorganic fertilizers in summer sesame <i>Indian Journal of Fertilisers</i> 20 (7): 678-684.	5.29
	N. M. Thesiya , H.P. Dholariya, J.V. Varsani and H.M. Virdia. (2024). Evaluation of critical period of crop weed competition for enhanced weed management and yield of summer pearl millet. <i>International Journal of Plant & Soil Science</i> 36(10): 239-247.	5.07
	Swapnil S. Dekhane, Narendra Kumar and R. R. Pisal (2024). Integrated Nutrient Management in Muskmelon: A Comprehensive Field Study. <i>Journal of Experimental Agriculture International</i> , 46 (6): 279-285.	5.14
	L. K. Arvadiya , Nitin N. Gudadhe , Y.A. Garde, L.J. Desai, P.K. Patel, V.P. Usadadiya, H.M. Virdia (2025). Purpose-wise diversification of component crops in rice-based cropping. <i>European Journal of Agronomy</i> 168 (2025) 127635 systems for enhancing productivity, soil health, income, family and livestock nutrition	10.50
	M. B. Vala, R.P. Bambharolia, A. J. Deshmukh, N. H. Garaniya, D. M. Damasia, S. G. Patel, N. M. Thesiya , M. D. Khunt and P. A. Vavdiya (2025). Lignin degradation potential of <i>Staphylococcus cohnii</i> MV19 isolated from the Dangs region, Gujarat. <i>International Journal of Advanced Biochemistry Research</i> ; SP-9(10): 448-457	5.29
	Riya Jadav, HP Dholariya, N. M. Thesiya , Navneet Kumar. (2025). Characterization of biochar prepared from different plant wastes and evaluation of biochar with fertilizer on fodder maize. <i>Plant Archives</i> 25(1):1215-1221.	5.59
	J. M. Kokani, V. M. Patel, P. Waghmare, R. R. Pisal , D.M. Chaudhari and K. N. Rana (2025). Effect of Intercropping System and Nutrient Management Through Organic Sources on Yield Attributes and Yield of Pigeonpea Crop (<i>Cajanus cajan</i> L.) Under South Gujarat Condition. <i>International Journal of Plant & Soil Science</i> , 37 (8):633-639.	5.07
	P. K. Waghmare, A. P. Patel, K. G. Patel, V. M. Patel, R. R. Pisal and M. J. Patange (2025). Growth and yield of finger millet (<i>Eleusine coracana</i> L.) varieties as influenced by zinc fortification. <i>International Journal of Research in Agronomy</i> , 8 (7): 793-797.	5.20
	Rotte Sai Mitra, L. K. Arvadiya , Sonal S. Tripathi and Devika M. Patel (2025). Effect of irrigation scheduling, mulching and cereal intercropping	5.20

	on growth and yield of vegetable indianbean (<i>Lablab purpureus</i> L.) under south Gujarat. <i>International Journal of Research in Agronomy</i> , 8(7):1801-1809	
	Mili Patel, R.L. Leva, L. K. Arvadiya , Patoliya, J.D and Tejasvini Patel (2025). Performance of Castor (<i>Ricinus communis</i> L.) based intercropping systems in South Gujarat: Growth and Resource Optimization. Agriculture Association of <i>Textile Chemical and Critical Reviews Journal</i> : 563-567	5.20

Plant Molecular Biology and Biotechnology

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
Department of Plant Molecular Biology and Biotechnology	Nakarani, U. M., Singh, D., Suthar, K. P., Karmakar, N., Faldu, P. and Patil, H. E. (2021). Nutritional and phytochemical profiling of nutraceutical finger millet (<i>Eleusine coracana</i> L.) genotypes. <i>Food Chemistry</i> , 341, 128271. https://doi.org/10.1016/j.foodchem.2020.128271	15.8
	Kapadia, C., Alhazmi, A., Patel, N., Elesawy, B. H., Sayyed, R. Z., Lokhandwala, F., Haque, S. and Datta, R. (2021). Nanoparticles combined with cefixime as an effective synergistic strategy against <i>Salmonella enterica typhi</i> . Saudi Journal of Biological Sciences, 28(8), 4164–4172. https://doi.org/10.1016/j.sjbs.2021.05.032	5
	Kapadia, C. and Patel, Nidhi (2021). Sequential sterilization of banana (<i>Musa</i> Spp.) sucker tip reducing microbial contamination with highest establishment percentage. <i>Bangladesh Journal of Botany</i> , 50(4), 1151–1158. https://doi.org/10.3329/bjb.v50i4.57083	6.3
	Kapadia, C., Sayyed, R. Z., El Enshasy, H. A., Vaidya, H., Sharma, D., Patel, N., Malek, R. A., Syed, A., Elgorban, A. M., Ahmad, K. and Zuan, A. T. K. (2021). Halotolerant Microbial Consortia for Sustainable Mitigation of Salinity Stress, Growth Promotion, and Mineral Uptake in Tomato Plants and Soil Nutrient Enrichment. <i>Sustainability</i> , 13(15), 8369. https://doi.org/10.3390/su13158369	8.9
	Murthy, P. N., Patel, N. B., Kapadia, C., Desai, K. D. and Rao, G. K. (2021). Genetic diversity analysis of sweet potato (<i>Ipomoea batatas</i> (L.) Lam.) germplasms through RAPD and ISSR markers. <i>Bangladesh Journal of Botany</i> , 50(1), 119–129. https://doi.org/10.3329/bjb.v50i1.52679	6.3

	Harihar Vaidya, C., Kapadia, C., Borse, B., Vyas, T. K. and Patel, N. (2021). Diverse Novel Bacterial Endosymbionts and their Plant Growth Promoting Traits in association with Banana Plant. <i>International Journal of Current Microbiology and Applied Sciences</i> , 10(2), 2047–2059. https://doi.org/10.20546/ijcmas.2021.1002.244	NA
	Patel, S. R., Fougat, R. S., Kumar, S., Sakure, A. A., & Patel, P. (2021). Evaluation of housekeeping genes for gene expression study in cluster bean under drought stress. <i>Indian Journal of Genetics and Plant Breeding (The)</i> , 81(2), 307-318.	6
	Mehta, V. N., Raval, J. B., Patel, S. R., Prajapati, V. S., & Patel, R. M. (2021). Bio-functionalized silver nanoparticles: A versatile candidate for the ceramic industry. In <i>Handbook of polymer and ceramic nanotechnology</i> (pp. 83-98). Cham: Springer International Publishing.	NA
	Kapadia, C., Kachhadia, R., Singh, S., Gandhi, K., Poczai, P., Alfarraj, S., Ansari, M. J., Gafur, A. and Sayyed, R. Z. (2022). <i>Frontiers in Microbiology</i> , 13: 977669. https://doi.org/10.3389/fmicb.2022.977669	10.50
	Patel, N., Kapadia, C., Sayyed, R. Z., El Enshasy, H., El Adawi, H., Alhazmi, A., Almalki, A. H. and Haque, S. (2022). Formation of recombinant bifunctional fusion protein: A newer approach to combine the activities of two enzymes in a single protein. <i>PLoS ONE</i> , 17(4):e0265969. https://doi.org/10.1371/journal.pone.0265969	8.60
	Sheladiya, P., Kapadia, C., Prajapati, V., El Enshasy, H. A., Abd Malek, R., Marraiki, N., Zaghloul, N. S. S. and Sayyed, R. Z. (2022). Production, statistical optimization, and functional characterization of alkali stable pectate lyase of <i>Paenibacillus lactis</i> PKC5 for use in juice clarification. <i>Scientific Reports</i> , 12, 7564. https://doi.org/10.1038/s41598-022-11022-0	9.90
	Kachhadia, R., Kapadia, C., Datta, R., Jajda, H., Danish, S. and Glick, B. R. (2022). Cloning and characterization of AiiA, an acylhomoserine lactonase from <i>Bacillus cereus</i> RC1 to control soft rot causing pathogen <i>Lelliottia amnigena</i> RCE. <i>Archives of Microbiology</i> , 204: 665. https://doi.org/10.1007/s00203-022-03271-4	8.6
	Kachhadia, R., Kapadia, C., Singh, S., Gandhi, K., Jajda, H., Alfarraj, S., Ansari, M. J., Danish, S. and Datta, R. (2022, July 11). Quorum sensing inhibitory and quenching activity of <i>Bacillus cereus</i> RC1 extracts on soft rot-causing bacteria <i>Lelliottia amnigena</i> . <i>ACS Omega</i> , 7(29), 25291-25308. https://doi.org/10.1021/acsomega.2c02202	10.30
	Patel, P., Modha, K. G., Bagadiya, P., Patel, R. K., Kapadia, C. V. and Bamji, R. (2022). Evolutionary relationship of legumes: A phylogenetic analysis approach using DNA sequence. <i>The Pharma Innovation</i> , 11(11), 351-352. doi: 2277-7695	NA
	Patel, P., Modha, K. G., Bagadiya, P., Patel, R. K. and Kapadia, C. V. (2022). A brief phylogenetic analysis of TFL proteins in different plant species relative to <i>Lablab purpureus</i> (L.) sweet. <i>Romanian</i>	NA

	Biotechnology Letters, 28(3), 3527-3535. https://doi.org/10.25083/rbl/28.3/3527.3535	
	Kapadia, C., Patel, N., Rana, A., Vaidya, H., Alfarraj, S., Ansari, M. J., Gafur, A., Poczai, P. and Sayyed, R. Z. (2022). Evaluation of Plant-Growth-Promoting and Salinity-Ameliorating Potential of Halophilic Bacteria Isolated From Saline Soil. <i>Frontiers in Plant Science</i> , 13, 946217. https://doi.org/10.3389/fpls.2022.946217	10.80
	Patel, S. R., Singh, A. T., Kumar, S., & Fougat, R. S. (2022). Evaluation of Cluster Bean [<i>Cyamopsis tetragonoloba</i> (L.) Taub] Genotypes for Drought Stress Adaptation and its Effects on Yield. <i>Legume Research- An International Journal</i> , 45(5), 551-556.	6.00
	Patel, S. R., & Patel, R. M. (2022). Growth Inhibition Activity of Biogenic Synthesized Silver Nanoparticles (Ag NPs) against Mango Anthracnose (<i>Colletotrichum Gloeosporioides</i>) Disease. <i>The Pharma Innovation Journal</i> , 11(10), 1701-1708.	NA
	Patel, S. R., & Patel, R. M. (2022). Mangifera indica (cv. Alphonso) leaf extract mediated bluish fluorescent carbon dots: An approach for green nanotechnology. <i>The Pharma Innovation Journal</i> ; 11(10): 33-43	NA
	Tandel, J. J., Tendel, Y. N., Parmar, V. K. and Kapadia, C. V. (2023). Studies on fruit morphological and physico-chemical characters of mango varieties and hybrids in Gujarat. <i>Environment and Ecology</i> , 41(1), 1-6.	4.87
	Tandel, J. J., Tendel, Y. N., Parmar, V. K. and Kapadia, C. V. (2023). Studies on fruit morphological and physico-chemical characters of mango varieties and hybrids in Gujarat. <i>Environment and Ecology</i> , 41(1), 1-6.	4.87
	Lakhani, K. G., Gamit, A. J., Suthar, K. P., Suthar, H. G., Parekh, V. B. and Kapadia, C. (2023). Genetic relatedness analysis of little millet (<i>Panicum sumatrense</i> Roth. Ex Roem & Schult.) using RAPD markers. <i>Applied Biological Research</i> , 25(3), 311-318. https://doi.org/10.5958/0974-4517.2023.00036.8	6.20
	Patel, H. B., Intwala, C. G., Suthar, K. P., Karmakar, N. and Desai, G. B. (2023). Performance of promising sweet potato genotype NSP-7 in South Gujarat. <i>Journal of Root Crops</i> , 49(2).	NA
	Tandel, J., Tandel, Y., Kapadia, C., Singh, S., Gandhi, K., Datta, R., Singh, S., & Yirgu, A. (n.d.). Nontargeted Metabolite Profiling of the Most Prominent Indian Mango (<i>Mangifera indica</i> L.) Cultivars Using Different Extraction Methods. <i>ACS Omega</i> .	10.30
	Rathva, H., Pandey, A. K., Suthar, K., Suthar, H., Chakote, A., Singh, D., Ahlawat, T., Parmar, V., Dhiman, V. K., Pandey, H. and Singh, D. (2024). Genetic relatedness analysis in sapota using SSR markers. <i>Ecological Genetics and Genomics</i> . https://doi.org/10.1016/j.egg.2024.100234	NA
	Lakhani, K. G., Suthar, K., Singh, D., Jha, S., Patil, H. and Niyaria, R. (2024). Cross transferability of Finger millet SSR markers to Little	NA

	Millet (<i>Panicum sumatrense</i> Roth. Ex Roem & Schult.). Ecological Genetics and Genomics. 100281.	
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	Patel, K., Datta, R., Kapadia, C., Patel, N., Alharbi, S. A., Patel, D., Parmar, P. R., & Ansari, M. J. (2024). Effect of supplementing Sulphur-oxidizing bacteria with different Sulphur sources on the growth and development of chickpea (<i>Cicer arietinum</i>). Plant Stress, 100433.	12.90
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Name of Department	Sr. No.	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
Department of Genetics and Plant Breeding	1.	Kaldate S., Patel A., Modha K., Parekh Vipulkumar, Kale B., Vadodariya G. and Patel R. (2021). Allelic characterization and protein structure analysis reveals the involvement of splice site mutation for growth habit differences in <i>Lablab purpureus</i> (L.) Sweet. <i>Journal of Genetic Engineering and Biotechnology</i> , 19 :34.	9.60
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56.	Chandramaniya, C. P., Kale, B. , Bhattacharya, S., Savaliya, D., Suthar, M. C., Vekariya, R. D., and Patel, R. K. (2025). Deciphering heat stress tolerance indices for identifying terminal heat-tolerant bread wheat genotypes. <i>Plant Science Today</i> , 12 (03): 1-12.	6.70

57.	Manoj, C. S., Vipul, P. P., Chirag, P. C., Patel, V. B., Denish, S., Himani, P. V. Modha, K. , and Patel, R. K. (2025). Molecular characterization and phenotypic selection for blast resistance and yield enhancement in rice (<i>Oryza sativa</i> L.). <i>Plant Science Today</i> , 12 (03): 1-11.	6.70
58.	Chandramaniya, C. P., Kale, B. , Bhattacharya, S., Modha, K., kumar Patel, V., Vekariya, R. D., Patel, R. K., Vadodariya, H. P., Suthar, M. C. and Savaliya, D. (2025). Validation of SSR markers linked to heat tolerance in bread wheat genotypes. <i>Plant Science Today</i> , 12 (3): 1-10.	6.70
59.	Vanapariya, S., Intwala, C. G., Patel, R. R. and Akbari, K. M. (2025). Study of heterosis and inbreeding depression for fruit yield and its attributing traits in brinjal (<i>Solanum melongena</i> L.). <i>International Journal of Advanced Biochemistry Research</i> , SP-9 (9): 1569-1573.	5.29
60.	Chaudhary, N., Patel, V. P., Pandya, H., Rana, V. B., Patel, V. B., Saha, S., Gohil, V., Patel, D. P., Prajapati, M. R., Patel, R. K. , Modha, K. G. and Baria, K. G. (2025). Estimation of narrow-sense heritability and genetic advance for yield and component traits in rice (<i>Oryza sativa</i> L.). <i>International Journal of Advanced Biochemistry Research</i> , SP-9(8): 773-778.	5.29
61.	Chandramaniya, C. P., Makwana, D. V., Vadodariya, H. P., Patel, D. S., Bhattacharya, S., Mukeshkumar, P., and Kale, B. (2025). Selection indices for heat tolerance improvement in bread wheat. <i>Journal of Advances in Biology and Biotechnology</i> , 28 (7), 1182-1192.	5.30
62.	Patel, A. A., Vekariya, R. D., Patel, A. I. and Modha, K. G. (2025). Deployment of combining ability analysis to study gene action under different environments in okra [<i>Abelmoschus esculentus</i> (L.) Moench]. <i>Vegetos</i> , DOI: 10.1007/s42535-025-01414-8.	5.68
63.	Saha, S., Rana, V. B., Modha, K., Patel, V. B., Patel, R. K. and Chauhan, D. A. (2025). Phylogenetic insights of phytochrome a homologs in legumes. <i>Journal of Advances in Biology & Biotechnology</i> , 28 (8): 1289-1295.	5.30
64.	Rana, V. B., Saha, S., Patel, R. K. , Patel, V. P., Patel, V. B., Modha, K. and Prajapati, M. R. (2025). Assessment of heritability and genetic advance in segregating generations of rice (<i>oryza sativa</i> l.) for grain yield and yield contributing traits under upland conditions. <i>Journal of Advances in Biology & Biotechnology</i> , 28 (8), 1215-1220.	5.30
65.	Chaudhary, N., Patel, V. P., Pandya, H., Rana, V. B., Patel, V. B., Gohil, V., Bariya, K. G., Saha, S., Patel, R. K. , Modha, K. G. , Prajapathi, M. R., Patel, D. P., Shrivastava. and Narwade, A. V. (2025). Trait-specific heterosis and inbreeding depression patterns	5.30

		in rice: implications for hybrid breeding. <i>Journal of Advances in Biology & Biotechnology</i> , 28 (8): 1453-1462.	
	66.	Prajapati, G. K., Patel, R. R. , Joshi, K. K. and Kale, B. H. (2025). Variability studies for yield and its components under heat stress condition in wheat [<i>Triticum aestivum</i> (L.)]. <i>International Journal of Research in Agronomy</i> , 8 (12): 1182-1187.	5.20

Department of Horticulture

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
Department of Horticulture	Der, M. L.; Patil, S. J. ; Patel, N. B. and Tandel, B. M. (2021). Effect of different month of ratooning with bunch spray of GA ₃ and BA on quality of banana (<i>Musa paradisiaca</i> L.) cv. Grand Nain. <i>The Pharma Innovation Journal</i> , 10 (10): 960-962.	5.23
	Bana, J. K.; Choudhary, J.S.; Kumar, S.; Ghoghari, P. D.; Kalaria, G. B.; Desai, H. R.; Patil, S. J. and Patil, P. (2021). Seasonal time series forewarning model for population dynamics of mango hopper (Hemiptera: Cicadellidae) in humid agro-climatic conditions. <i>International Journal of Pest Management</i> , 67 (4): 1-12.	7.09
	Bana, J. K.; Ghoghari, P. D.; Kalaria, G. B.; Saxena, S. P.; Sharma, H.; Singh, P. and Patil, S. J. (2021). Survey and surveillance of pollinators in mango ecosystem. <i>Pest Management in Horticultural Ecosystems</i> , 27 (1): 11-15.	5.05
	Sushitha, M. B.; Desai, C.; Mayani, J.; Patil, S. J. and Raghavendra, H. R. (2021). Effect of blending proportion and storage on sensory parameters of blended juice using banana pseudostem sap with noni, <i>Aloe vera</i> and guava. <i>The Pharma Innovation Journal</i> , 10 (5): 568-573.	5.23
	Chalak, S. U.; Patil, S. J. and Chawla, S. L. (2022). Phenological behaviour of mango varieties under South Gujarat conditions. <i>The Pharma Innovation Journal</i> , 11 (4): 1111-1115.	5.23
	Ahir, U. J.; Patil, S. J. ; Patel, N. B.; Tandel, B. M. and Ahir, P. J. (2022). Effect of foliar spray of seaweed extract at different pH levels on quality and shelf life of mango (<i>Mangifera indica</i> L.) cv. Kesar. <i>The Pharma Innovation Journal</i> , 11 (11): 1770-1772.	5.23
	Ahir, U. J.; Patil, S. J. ; Patel, N. B.; Tandel, B. M. and Ahir, P. J. (2022). Response of foliar spray of seaweed extract at different pH levels on fruiting and yield of mango (<i>Mangifera indica</i> L.) cv. Kesar. <i>The Pharma Innovation Journal</i> , 11 (11): 1767-1769.	5.23

Chalak, S. U.; Patil, S. J. and Mote, B. M. (2023). Heat Unit Requirement for Different Phenophases in mango varieties under South Gujarat conditions. <i>Indian Journal of Ecology</i> , 50 (1): 230-233.	5.38
Bana, J. K.; Sharma, H.; Chavan, S. M.; Sharma, D. K. and Patil, S. J. (2023). Assessment of losses caused by major insect-pests and diseases of mango (<i>Mangifera indica</i> L) under humid tropics. <i>Pest Management Horticultural Ecosystem</i> , 29 (2): 213-220.	5.14
Saryu Triedi, Patel, B. B. and Jadav, J. (2022). Effect of biostimulants on flowering qualities in gladiolus. <i>The Pharma Innovation</i> . 11 (4): 1598-1600.	5.23
Saryu Triedi, Patel, B. B. and Jadav, J. (2022). Effect of biostimulants on growth and yield in gladiolus. <i>The Pharma Innovation</i> , 11 (4): 1793-1795.	5.23
Ganvit, A. M.; Ganvit, J. M.; Desai, B. S. and Patil, S. J. (2023). Effect of different seed treatment and media on shoot growth of ashwagandha, <i>Withania somnifera</i> (L.) Dunal. <i>International Journal of Plant and Soil Science</i> , 35 (20): 145-152.	5.07
Der, M. L.; Varu, J. D.; Patil, S. J. ; and Gohil, M. M. (2023). Effect of different month of ratooning with bunch spray of GA3 and BA on yield and yield attributes of banana (<i>Musa paradisiaca</i> L.) cv. Grand Nain. <i>The Pharma Innovation Journal</i> , 12 (12): 1941-1943.	5.23
Patel, B. A. ; Ahlawat, T. A.; Jadhav, S. K. and Pandey, A. K. (2024). Effect of green manuring and nutrient management on growth and yield of banana cv. Grand Nain. <i>International Journal of Plant and Soil Science</i> , 36 (5): 893-902.	5.07
Gurjar R. A., Nayaka Prabhu, Shah K. A., Solanki P. D. and Chauhan N. M. (2023). A comprehensive evaluation of bio fertilizer on mango and sapota. <i>The Pharma Innovation</i> . 12 (8): 2841-2843. (ISSN:2349-8242)	5.23
Gurjar R. A., Nayaka Prabhu, Shah K. A., Solanki P. D. and Chauhan N. M. (2023). Performance of Nauroji novel banana pseudostem based organic liquid nutrients (Fertilizer) on yield of mango and sapota. <i>The Pharma Innovation</i> . 12 (8): 2837-2840.	5.23
Patel, B. A. ; Solanki, P. D.; Jadhav, S. K. ; Patel, N. M. ; Parmar, V. K.; Tandel, Y. N.; Desai, C. S.; Bhandari, D. R. and Parmar, P. K. (2024). Effect of different colour shade nets on germination and seedling growth of papaya (<i>Carica papaya</i>) var. GJP 1. <i>International Journal of Advanced Biochemistry Research</i> , 8 (12): 1112-1116.	5.29
Jadhav, S. K. ; Singh, A.; Patel, B. A. and Chaudhari, P. K. (2024). Effect of foliar spray of chemical stimulants, plant growth promoting rhizobacteria (PGPR) and salinity on media and nutrient	5.29

	content in <i>Dendrobium</i> . <i>International Journal of Advanced Biochemistry Research</i> , 8 (10): 975-979.	
	Jasani, R. R.; Patil, S. J. ; Patel, M. A.; Tandel, B. M. and Dangariya, V. D. (2024). Effect of seed priming and organic spray on growth of Khirni [<i>Manilkara hexandra</i> (Roxb.)]. <i>International Journal of Advanced Biochemistry Research</i> , SP- 8 (11): 436-438.	5.29
	Chaudhari, V. M.; Masaye, S. S.; Patil, S. J. ; Bhanderi, D. R.; Shrivastava, A. and Patel, S. Y. (2024). Impact of mulching and fruit thinning practices on the economic viability of watermelon. <i>International Journal of Advanced Biochemistry Research</i> , 8 (8): 827-830.	5.29
	Desai, Y. G.; Patil, S. J. ; Chawla, S. L.; Mangroliya, R. M. and Mangroliya, P. M. (2024). Effect of pruning and plant growth regulators on quality of guava cv. Bihi. <i>International Journal of Advanced Biochemistry Research</i> , 8 (5): 897-900.	5.29
	Patel, B. A. and Ahlawat, T. R. (2025). Influence of green manures and NPK fertilizers on fruit quality and economics of banana. <i>International Journal of Advanced Biochemistry Research</i> , 9 (1):168-173.	5.29
	Reddy, K. H.; Ahlawat, T. R.; Chawla, S. L.; Patel, B. A. and Koti, S. (2025). Interaction effect of mango varieties and chemical spray applications on post-harvest quality parameters. <i>Journal of Advances in Biology and Biotechnology</i> , 28 (2): 66-72.	5.30
	Jadhav, S. K. ; Bhanderi, D. R.; Patel, B. A. ; Patil, S. J. ; Patel, N. M. and Solanki, P. D. (2025). Effect of different colour shade nets on germination and seedling growth of broccoli (<i>Brassica oleracea</i> var. Italica) var. Pusa Kts-1. <i>International Journal of Advanced Biochemistry Research</i> , 9 (2): 87-89.	5.29
	Jasani, R. R.; Patil, S. J. ; Patel, M. A.; Tandel, B. M. and Gohil, V. (2025). Impact of seed priming and organic spray on the growth of khirni. <i>Plant Archives</i> , 25 (2): 2853-2860.	5.59
	Sonavane S. S., Pankhaniya R. M., Choudhary Mahaveer and Solanki P. D. (2024) . Effect of nutrient management on growth and yield of chickpea. <i>The Pharma Innovation</i> . 12 (8):1235-1237. (ISSN:2349-8242)	5.23
	Bhumi Lad, Solanki P.D. , Gurjar R. A., Tandel B.M. and Chaudhary A.P. (2025). Effect of foliar application of different nutrients and GA ₃ on yield and quality of strawberry. <i>Plant Archives</i> (2025) 25 (1):3099-3103(ISSN: 0972-5210)	5.89
	Prajapati Dixita, Tank R.V., Singh Alka, Garde Yogesh and Solanki P. D. (2025) . Effect of sources and time of nutrient application on growth and flowering of papaya (<i>Carica papaya</i> L.) var. Red Lady. <i>International Journal of Advanced Biochemistry Research</i> 9 (2):226-230(ISSN: 2617-4707)	5.29

	Solanki Rina, Sharma D. K., Solanki P. D. and Titiksha B. (2025). Biochemical properties of some papaya genotypes under South Gujarat agro-climatic conditions. <i>International Journal of Advanced Biochemistry Research</i> . SP-9 (12):1809-1812.	5.29
	Singh, N., Tripathi Sonal, Chaudhari, D. M., Patel, V. A., Patel, B. B. , and Naik, J. R. (2025). Status of Different Forms of Nitrogen in Soils of Navsari District of South Gujarat, India. <i>International Journal of Plant & Soil Science</i> . 37(1): 536-549.	5.07
	Patel Jemini, Patel, B. B. and Patel Tejal (2025). Influence of plant growth regulators on yield and Economics of China aster var. Arka Archana. <i>International Journal of Advanced Biochemistry Research</i> . 9(1): 99-101	5.29
	Jasani, R. R.; Patil, S. J. ; Patel, M. A. and Tandel, B. M. (2025). Germination and survival of Khirni (<i>Manilkara hexandra</i>) seeds influenced by organic seed priming. <i>Journal of Applied Horticulture</i> , 26 (4): 467-470.	5.43
	Chaudhari, Darshana B.; Sharma, D.K.; Sangani, S.L.; Bhanderi, D.R.; Ganvit, Swati A.; Gurjar, Tulsi D. and Patel, Bhoomika A. (2025). Influence of different spacing and pruning height on quality attributes of mango (<i>Mangifera indica</i> L.) cv. Kesar under ultra high density plantation. <i>International Journal of Advanced Biochemistry Research</i> , 9 (12):1694-1696.	5.29
	Jadhav, Sheetal K.; Patel, Bhoomika A.; Solanki, P.D. ; Bhanderi, D.R.; Patel, N.M. and Patil, S.J. (2026). Effect of saline irrigation water on vegetative growth, flowering and yield of African marigold (<i>Tagetes erecta</i>) cv. Pusa Narangi Gaiinda. <i>International Journal of Advanced Biochemistry Research</i> , 10 (3): 284-286.	5.29
	Bhumi Lad and Solanki P.D. (2026) Effect of Foliar Application of Different Nutrients and GA ₃ on Growth of Strawberry. <i>International Journal of Plant & Soil Science</i> . 38 (2): 271-276.	5.07
	Vibha, B. and Patel, B. B. (2025). Effect of spacing and pinching on flower yield and economics of annual chrysanthemum (<i>Chrysanthemum coronarium</i> L.). <i>International Journal of Advanced Biochemistry Research</i> . 9 (12): 1519-1521.	5.29

Plant Pathology

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
	2021-22	

Plant Pathology	1. Baria, T. T., Rakholiya, K. B. and Chaudhari, A. K. (2021). Impact of inoculation methods and fruit maturity on development of fusarium fruit rot (<i>Fusarium musae</i>) disease in banana. Indian Journal of Agricultural Research, 3(1), 289-292.	5.60
	2. Shekhada, M. R., John, P., Panara, K. N. and Ladumor, S. A. (2021). Evaluation of different fungicides, biocontrol agents and botanicals for the management of tomato early blight under field conditions. The Pharma Innovation Journal,10,1438.	5.23
	3. Lokesh, R., Rakholiya, K. B., Thesiya, M. R. and Madagoudra, Y. B. (2021). Evaluation of bioagents against <i>Macrophomina phaseolina</i> (Tassi) Goid., causing dry root rot of chickpea. (<i>Cicer arietinum</i> L.) Journal of Mycopathological Research, 59(2), 185-187.	5.11
	4. Patel, H. K., Vekariya, R. M. and Mahatma, L. (2021). A sustainable production of lignocellulolytic enzymes and value added metabolites from banana pseudostem waste by <i>Bacillus wakoensis</i> NAULH-4. Process Biochemistry, 105, 42- 49.	9.70
	5. Addangadi, K. C., Sipai, A. H. and Muralidharan, C. M. (2021). Studies on Alternaria leaf and fruit spot of pomegranate caused by <i>Alternaria alternata</i> (Fr.) Keissler. Environment and Ecology, 39 (4A), 1078-1085.	5.25
	2022-23	
	1. Panara, K. N., Rakholiya, K. B., Patel, A. M. and Shekhada, M. R. (2022). Field evaluation of fungicides and bioagents against stem rot of tomato caused by <i>Sclerotium rolfsii</i> Sacc. The Pharma Innovation Journal, 11(6), 757-760.	5.23
	2. Patel, A. M., Rakholiya, K. B., Panara, K. N. and Paladiya, S. H. (2022). <i>In vitro</i> evaluation of fungicides against <i>Colletotrichum capsici</i> (Sydow) Butler and Bisby causing anthracnose disease of chilli. The Pharma Innovation Journal,11(6), 404-406.	5.23
	3. Prajapati, D. R., Thakur, N. S., Patel, V. R., Gunaga, R. P., Mahatma, L. and Patel, D.P. (2022) Influence of spatial configurations on quantitative melia dubia and qualitative performance of hybrid napier (<i>Pennisetum purpureum</i> P. americanum x) and soil biota status. Indian Journal of Ecology, 49(1), 9-20.	5.79
	4. Gajre, N. K., Chauhan, H. L., Gohil, N. B. and Tandel, D. H. (2022). Association of rice sheath mite (<i>Stenotarsonemus spinki</i> Smiley) with grain discolouration disease of rice. The Pharma Innovation Journal, 11(8), 900-901.	5.23
	5. Prasanna, S. L. and John, P. (2022). Assessing the <i>in vitro</i> efficacy of fungicides against maydis leaf blight of maize caused by <i>Bipolaris maydis</i> . The Pharma Innovation Journal, 11, 1064-1069.	5.23

6. Siddu, Lakshmi Prasanna and John, P. (2022). Exploring the proficiency of botanicals, bioagents and plant activators against maydis leaf blight of maize caused by <i>Bipolaris maydis</i> . The Pharma Innovation Journal, 1, 31-36.	5.23
2023-24	
1. Radadiya, N. V., Gevariya, T. V, Patel, M. I, Kanzariya, K. G. and Davda, B. K. (2023). Evaluation of different oils against sorghum shoot fly infesting sorghum crop. The Pharma Innovation journal, 12(9), 359-363.	5.23
2. Paladiya, S. H., John, P., Saranya, S and Patel, A. M. (2023). Antimicrobial potentiality of <i>G. lucidum</i> isolate against plant pathogens. The Pharma Innovation, 12, 6-13.	5.23
3. Paladiya, S. H., John, P., Saranya, S. and Patel, A.M. (2023). Antimicrobial potentiality of <i>G. lucidum</i> isolate against plant pathogens. The Pharma Innovation Journal, 12, 6-13.	5.23
4. Nayak, A. M., John, P., Prasanna, S. L. and K, Farooq. (2023). Epidemiological factors responsible for powdery mildew disease in okra, green gram, black gram and wild poinsettia. The Pharma Innovation Journal, 12, 1298-1307.	5.23
5. Patel, H. P. and Mahatma, L. (2023). Status of Mungbean yellow mosaic virus (MYMV) on Mungbean [<i>Vigna radiata</i> (L.) Wilczek] in different districts of south gujarat. The Pharma Innovation Journal, 12(8), 1876-1887.	5.23
6. Raut, R., Mahatma, L. and Vaniya, R. (2023). Antifungal activities of industrial clove waste against <i>Aspergillus flavus</i> and <i>Sclerotium rolfsii</i> . The Pharma Innovation Journal, 12(3), 5879-5881.	5.23
7. Nayak, A. M., John, P., Prasanna, S. L., Khan, F. and Dhange, P. R. (2023). identification and morpho-metric characterization of powdery mildew infecting diverse host plants of southern gujarat, india. international journal of plant & soil science, 35, 153-166.	5.07
8. Bhukya, S., Patil, V. A., Shinde, C. U., John, P., Garde, Y. A. and Waghunde, R. R. (2023). Screening of rice genotypes for bacterial blight of rice under artificial inoculation method and monitoring field virulence of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . International Journal of Bio-resource and Stress Management, 14(12), 1563-1568.	5.40
9. Purushotham, P., Rakholiya, K. B. and Vanani, K. D. (2023). Effectiveness of fungicides against colletotrichum lindemuthianum causing anthracnose of green gram [<i>Vigna radiata</i> (L.) Wilczek. Legume Research. 48(8), 1361-1368.	6.80
10. Joshi, R. L., Tandel, D. H. and Divyashree. (2024). Eco-friendly management of post-harvest anthracnose of mango. Agriculture	5.0

	Association of Textile Chemical and Critical Review Journal (AATC), 12(1), 152-155.	
	11. Vanani, K. D., Rakholiya, K. B. and Purushotham, P. (2024). Prospecting the effectiveness of fungicides and bioagents against <i>Colletotrichum gloeosporioides</i> (Penz.) Penz & Sacc. Journal of Advances in Biology & Biotechnology, 27(2), 216-225.	5.30
	2024-25	
	1. Addangadi, K. C., John, P. and Rakholiya, K. B. (2024), Hidden microbial supporters: First report on macro-fungal endophytic diversity of rice and their antagonistic nature against the major rice pathogens under in vitro. Indian Phytopathology,	5.97
	2. Parmar, K. A., Rakholiya, K. B., Patel, P. R. and Singh, Neha. (2024). <i>In vitro</i> evaluation of antagonistic effect of biocontrol agents against mango die back incited by <i>Lasiodiplodia theobromae</i> (Pat.) Griffon & Maubl. International Journal of Environmental and Climate Change, 14(1), 479-482.	5.16
	3. John, P., Addangadi, K. C., Suansia, A. and Vyas, M. (2024). Morphological exploration of lignicolous macrofungi: <i>Xylaria</i> . Microbiology Research Journal International, 34, 23-28.	5.14
	4. Srinivas, B., Patil, V. A., Shinde, C. U., John, P., Garde, Y. A. and Waghunde, R. R. (2024). Effect of antagonists and botanicals against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> in vitro. International Journal of Economic Plants, 11(1), 007-011.	5.07
	5. Waghunde, R. R., Shelake, R. M., Khunt, M. D., Italiya, A. P., Mahatma L. and Kim, J.Y. (2024) Characterization of endophytic bacteria isolated from cotton and pigeon pea for plant health management., Journal of Mycopathological Research, 62(4), 777-785.	5.11
	6. Patel, M., Pandya, J., Kansara, S., Chopada, G., John, P., Mahatma, L. Addangadi, K. C., Patel, A. M. and Rakholiya, K. B. (2024). Effect of various fungicides for controlling powdery mildew (<i>Erysiphe polygoni</i>) in Fenugreek (<i>Trigonella foenumgraceum</i> L). Journal of Advances in Biology & Biotechnology, 27(10), 360-372.	5.30
	7. Hirani, D. D., Tandel, D. H., Joshi, R. L., Jose, Jeslin and Bhandari, K. R. (2024). The impact of pre-harvest potassium chloride spray to mitigate mango stem end rot. Plant Archives, 2(2), 110-111.	5.59
	2025-26	
	1. Patel, K. A., John, P and Patel, S. (2025). Field Evaluation of Different Fungicides against Anthracnose of sorghum in South Gujarat Condition. Journal of Advances in Biology & Biotechnology, 28, 175-182.	5.30

	2. Narsing, L. P., Kandoriya, P. J., Kansara, S. S., Chopada, G. B., Patel, M. I., Divyasree and Joshi, R. L. (2025). The therapy of disease using phylloplane bacteria. <i>International Journal of Plant & Soil Science</i> ,37(2), 219-230.	5.07
	3. Balaji, G., Dinkar, V. Patil., Kansara, S. S., Patel, M. I., Arunjyothi, K., Soniya, K., Raju, P. K, and Pastagiya, J. J. (2025). Impact of climate change on disease dynamics and integrated disease management strategies. <i>International journal of Advanced biochemistry Research</i> , 9(7), 112-119.	5.29
	4. Raut, R., Mahatma, L. and Vaniya, R. (2025). Preparation of water soluble formulations from industrial clove waste and their antifungal activities against powdery mildew (<i>Oidium magiferae</i>) and post-harvest anthracnose (<i>Colletotrichum gloeosporioides</i>) of mango. <i>Journal of phytopathology</i> , 264-268.	7.10

Plant Molecular Biology and Biotechnology

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
Department of Plant Molecular Biology and Biotechnology	Nakarani, U. M., Singh, D., Suthar, K. P., Karmakar, N., Faldu, P. and Patil, H. E. (2021). Nutritional and phytochemical profiling of nutraceutical finger millet (<i>Eleusine coracana</i> L.) genotypes. <i>Food Chemistry</i> , 341, 128271. https://doi.org/10.1016/j.foodchem.2020.128271	15.8
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Agricultural Statistics

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
Agricultural Statistics	Garde, Y. A., Chaudhary, A. P., Bhimani, P. C., Modha, K. G., Alok Shrivastava, Nitin Varshney (2022). Construction of selection indices by using different economic coefficients in Indian Bean [<i>Lablab purpureus</i> (L.) Sweet]. <i>Legume Research- An International Journal</i> , 45(10), 1-7.	6.59
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Agricultural Microbiology	Sutariya, B.P., Vyas, T.K., Faldu, P.R., Patel, K.G. & Vala, A.K. (2021). A microcosm study on effect of iron nanoparticles on paddy (<i>Oryza sativa</i>) Growth. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> . 31: 2425-2434.	IF 3.518 (NAAS: 9.5 eq.)
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Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
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Plant Physiology

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
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	Naresh Chaudhary, V. P. Patel, Hemali Pandya, V. B. Rana, V. B. Patel, Vishwa Gohil, K. G. Baria, Soumyanetra Saha, R. K. Patel, K. G. Modha, M. R. Prajapati, D. P. Patel, Alok Shrivastava and A. V. Narwade (2025). Trait-specific heterosis and inbreeding depression patterns in rice: implications for hybrid breeding. <i>Journal of Advances in Biology & Biotechnology</i> 28(8): 1453-1462.	5.30

Agricultural Engineering

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)

Agricultural Engineering Department	Kumar, V., Sagar, P., Bharti, B., & Shinde, V. T. (2025). Synoptic sampling to identify the major anions and cations of coal ash transport river by the application of isometric log-ratio transformation. <i>Environmental Geochemistry and Health</i> , 47(6), 214.	9.20
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Agricultural Extension and Communication

Name of Department	Research paper citation	NAAS rating (Include papers having NAAS rating > 5.00 only)
Agril. Extension and Communication, NMCA, Navsari	JK Jadav, CK Timbadia, AP Chaudhary and KL Chaudhary (2022). Knowledge level of package and practices of paddy among the FRAs beneficial tribal farmers of South Gujarat. <i>The Pharma Innovation Journal</i> , SP-11(3): 1191-1192.	5.23
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	Khodifad, P. B., Lakkad, V. B. and Chauhan, N. M. (2025). Knowledge of paddy growers about plant protection practices. <i>Gujarat Journal of Extension Education</i> , 39 (1): 179-185.	5.30
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	Himani B. Patel, C. G. Intwala, Kiran P. Suthar, Bhakti B. Panchal, Hetal R. Rathod and K. L. Chaudhary (2025). Rooted Wisdom: Reviving Indigenous Traditional Knowledge (ITK) for Sustainable Tuber Crops in Gujarat. <i>International Journal of Applied Research in Veterinary Medicine</i> , 2025; 20-1(Part-C): 148-160.	5.00
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