

## Appendix-II

### List of Research papers published during reported period

#### Research Papers published in National Journal

- Asnani, B. and Kumari, M. (2022). Role, functioning and achievements of women panchayat members in Panchayati raj institution. *Gujarat Journal of Extension Education*, Sp. Issue Seeg Conf. 114-120.
- Baraiya, A. K.; Baraiya, K. P. and Lakhani, S. H. (2022). Knowledge of household nutritional practices among farm women in Jamnagar district of Gujarat. *Guj. J. Ext. Edu.*, Special Issue; Nov-2022: 173-177.
- Baraiya, K. P.; Gadhiya, V. C.; Baraiya A. K. and Lakhani, S. H. (2022). Knowledge of farmers, constraints faced and suggestions offered on integrated management of Pink bollworm in Cotton: a case of Saurashtra region Gujarat. *Guj. J. Ext. Edu.*, Special Issue; Nov-2022: 91-99.
- Baraiya, K. P.; Lakhani, S. H. and Baraiya, A. K. (2022). Assessing knowledge level and analysing constraints of organic farmers in Jamnagar district of Gujarat. *Guj. J. Ext. Edu.*, Special Issue; Nov-2022: 58-66.
- Baria, A. R.; Akabari, V. R. and Gohil, V. N. (2022). Variability studies for seed yield and its components in soybean. *Journal of Genetics, Genomics & Plant Breeding*, 6(2): 54-59.
- Baria, A. R.; Akabari, V. R.; Parmar, R. S. and Gohil, V. N. (2022). Character association for seed yield and its component traits in Soybean [*Glycine max* (L.) Merrill]. *Frontiers in Crop Improvement*, 10(2): 157-161.
- Bariya, M. K.; Chandravadiya, K. U.; Jadav, N. B. and Patel, H. (2022). Impact of self-help groups on empowerment of women. *Indian Res. J. Ext. Edu.*, 22(4): 42-47.
- Chaudhari, S. M.; Shah, K. D.; Pansara, Z. H.; Talaviya, J. R. and Rathod, A. R. (2022). Population dynamics of Aphid, *Lipaphis erisimi* (Kalt.) infesting mustard. *Frontiers in Crop Improvement*, 10(sp.1):650-653.
- Das, S. and Jadav, N. B. (2022). Perception of groundnut growers towards ICT in Saurashtra region of Gujarat. *Guj. J. Ext. Edu.* (Special Issue): 19-21.
- Das, S. and Jadav, N. B. (2022). Relationship between characteristics of groundnut growers and their perception towards ICT. *Guj. J. Ext. Edu.*, (Sp. Issue): 127-132.
- Delvadiya I. R., Madariya R. B. and Ginoya A. V. (2022). Detection and estimation of trigenic and linked digenic interaction effects in castor (*Ricinus communis* L.) using 21 generations. *Indian J. Genet. Plant Breed.*, 82(4): 490-498.
- Dobariya, H. B.; Javia R. M.; Sharma, L. K.; Sorathiya, H. P.; Dudhat, H. A.; Virani, A. D.; Gajera, S. S. and Singh, S. P. (2022). Genetic diversity studies in desi Chickpea (*Cicer arietinum* L.) genotypes suitable for machine harvest. *Frontiers in Crop Improvement*, 10(1): 36-39.
- Elakkiya; Shah, K. D., Rathod, A. R., Talaviya, J. R. and Kotak, J. N. (2022). Integration of seed treatment and botanicals for management of thrips, *Thrips tabaci* Lindeman infesting Cumin. *Frontiers in Crop Improvement*. 10(sp.1): 358-363.
- Gojiya, D. K. and Gohil, V. N. (2022). Design and development of low cost sesame dehuller and its process standardization. *Journal of Food Science and Technology*, 59(11), pp.4446-4456.
- Gojiya, D. K.; Davara, P. R.; Gohil, V. N.; and Dabhi, M. N. (2022). Process standardization for formulating protein-augmented corn-based extrudates using defatted sesame flour (DSF): Sesame oil industry waste valorization. *Journal of Food Processing and Preservation*, p.e17203.
- Hirapara, K. M.; Gajera, H. P.; Savaliya, D. D. and Hirapara, D. G. (2022). Biochemical and physiological changes influenced by drought stress in chickpea (*Cicer arietinum* L.). *Indian Journal of Agricultural Biochemistry*, 35(1): 79-86.

- Hirpara, D. S.; Vekaria, P. D.; Vora, V. D.; Jotangiya, K. S.; Patel, M. L. and Kanaeriya, S. C. (2022). Overview of dryland agriculture research and achievement in North Saurashtra Zone of Gujarat. *Indian Journal of Dryland Agricultural Research & Development*, 37(2): 118-122. ICAR-2022 Special issue.
- Hithesh, G. R.; Shah, K. D.; Keerthi, M. C. and Kabariya, B. B. (2022). Screening of mungbean genotypes against whitefly *Bemisia tabaci* (Genn.) and thrips *Megalurothrips distalis* (Karny). *Indian Journal of Entomology* Online published Ref. No. e22233
- Khunt, K. R. and Jadav, N. B. (2022). Relationship analysis between farmers' profile and their climate change perception. *Guj. J. Ext. Edu.*, (Special Issue): 80-83.
- Khunt, S. R.; Shah, K. D.; Kotak, J. N.; Talaviya, J. R. and Pansara, Z. H. (2022). Toxicity of different insecticides against aphid, hyadaphis coriandri as and coccinellid, *Menochilus sexmaculatus* (Fab.) in fennel. *Frontiers in Crop Improvement*, 10 (sp.1): 654-659.
- Kumari, M. and Singh, J. (2022). Environmental, social and economic impacts of Briquetting plant and briquettes. *Journal of Wastes and Biomass Management*, 4(1):32-40.
- Lanjekar, P. R.; Dulawat, M. S.; Makavana, Jagu and Chauhan P. M. (2023). Solar-powered farm rickshaw for agricultural transport. *Energy Nexus*, 9, 1-10.
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- Mori, R. B.; Sharma, L. K.; Kulkarni, G. U.; Nakrani, A. G. and Savaliya, J. G. (2022). Characterization of kabuli Chickpea (*Cicer arietinum* L.) genotypes through quality seed parameters and chemical tests. *Frontiers in Crop Improvement*, 10(1): 54-64.
- Naliapara, V. A.; Gojiya, D. K.; Dobariya, U. D. and Vyas, D. M. (2022). The technological developments in power operated coconut (*Cocos nucifera* L.) dehusking and deshelling machines: A Review. *Current Journal of Applied Science and Technology*, 41(24), pp.46-62.
- Padaliya, D. N.; Jadav, N. B. and Padaliya, D. A. (2022). Extent of adoption of rejuvenation technology by mango growers. *Guj. J. Ext. Edu.*, 34(1): 165-169.
- Pandey, Abhishek, Vadher, A. L.; Kathiria R. K.; Gaikwad, S. A. and Choudhary, Jagriti (2022). Comparative analysis of traditional method and mechanical method of cotton sowing. *Pantnagar Journal of Research*, Volume 20, Issue 3.
- Pandya, P. A.; Gontia, N. K. and Parmar, H. V. (2022). Development of PCA-based composite drought index for agril. drought assessment using remote-sensing. *Journal of Agrometeorology*, 24 (4): 384-392.
- Pappy Ready; Sabara, P.; Padhiyar, S. M. and Tomar, R. S. (2022). Genetic Diversity of Groundnut (*Arachis hypogaea* L.) revealed by RAPD and ISSR Markers. *Annals of Arid Zone*, 60(3&4): 109-115.
- Parmar, G. M. (2022). Eco-friendly management strategy for shoot fly and stem borer infesting pearl millet crop. *Frontier in Crop Improvement*, 10: 364-368.
- Parmar, H. V. and Gontia, N. K. (2022). Evapotranspiration estimation using surface energy balance-based evaporative fraction for water management in canal irrigation command. *Journal of the Indian Society of Remote Sensing*, 50 (2), 373-384.



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- 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. *Frontiers in Crop Improvement*, 10 (Special Issue 1): 496-501.
- Pateliya, R. V.; Gohil, V. N.; Akabari, V. R.; Ramoliya, C. P. and Vadher, P. A. (2022). Heterosis study for seed yield and its components in black Sesame (*Sesamum indicum* L.). *Frontiers in Crop Improvement*, 10 (Special Issue-1): 593-601.
- Prasad, K. D.; Javia, R. M.; Sharma L. K. and Singh, S. P. (2023). Genetical variability, correlation and path analysis in chickpea (*Cicer arietinum* L.) for mechanical harvesting. *Frontiers in Crop Improvement*. 11 (1): 17-20.
- Sakarvadia, H. L.; Vekaria, L. C.; Ponkia, H. P.; Jadeja, A. S. and Parakhia, D. V. (2022). Soil test based fertilizers application for targeted yield of soybean (*Glycin max* L.) in Saurashtra Region of Gujarat. *Agricultural Science Digest*. 41(3): 464-467.
- Satasiya, R. M., Sojitra, M. A., Kothiya, A. V. and Chuhan, P. M. (2022). Effect of protected environment on off-season seedling raising of Papaya. *Environment and Ecology*, 40(2B): 650-655.
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- Sharma, L. K.; Kulkarni, G. U.; Javia, R. M.; Monpara, B. A.; Paradva, V. B. and Singh, S. P. (2023). Seed Priming in chickpea (*Cicer arietinum* L.) – A Review. *Frontiers in Crop Improvement*. 11 (1): 1-8.
- Shingala Abhisha M. and Dabhi M. N. (2023). Influence of ozone treatment on wheat (*Triticum aestivum*) germination during bulk storage. *Journal of Cereal Research*, 14(3):283-290.
- Shingala Abhisha M. and Dabhi M. N. (2023). Influence of ozone treatment on gluten content of wheat (*Triticum aestivum*) during bulk storage. *Frontiers in Crop Improvement*, 10 (Sp. issue-V): 2215-2220.
- Sirwani P. M.; Dabhi M. N. and Rathod P. J. (2023). Effect of low temperature grinding on phytochemicals profile of fenugreek seed powder. *Journal of Spices and Aromatic Crops*, 23(2): 177-186.
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- Swaminathan, B.; Tarpara, V. D. and Mistry, H. H. (2022). Spatial integration and price behaviour analysis of major potato wholesale markets in Gujarat. *Gujarat Journal of Extension Edu.*, 34 (Conf.): 179-84.
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- Vasavada, K. M.; Dhandhalya, M. G. and Jadeja, R. M. (2022). Grassroots constraints and profitability analysis of relay cropping (Groundnut + Pigeon pea) farmers: A case of Saurashtra region, Gujarat. *Multilogic in Science*, 12(45): 270-275.
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