

APPENDICES-II

List of Research papers published during reported period

Research Papers published in National Journal

- Anwarulhaq Zarak, Varu D. K. and Rohullah Niazi (2021). Recent Advances In Root Stock Management in Sub-Tropical and Temperate Fruit Crops. *International Journal of Innovative Science, Engineering & Technology*. Vol. 8 Issue 6: 218-224.
- Arpita M., Solanki R.M., Parmar P.M. and Chaudhari S. (2022). Effect of spacing and nitrogen fertigation on growth, yield and economics of fodder maize (*Zea mays* L.). *The Pharma Innovation Journal*, 11(4): 1732-35.
- Badana M. K., Kelaiya, D. S. and Jadav, A.H. (2021). Screening of groundnut varieties and different types of host species against dry root rot disease. *Journal of Mycopathol. Res.* 59(3): 6299-303.
- Balas P. R., Makwana J. M., Jhala K. B., Chauhan P. M. and Yadav R. (2022). Economically comparison of mini tractor operated installer and retriever of drip line. *Indian Journal of Agriculture and allied science*, Vol. 8(1): 45-50.
- Bandhiya Sejal, Kanzaria D. R., Parasana J. S., Patel H. N. and Patel Shivani (2022). Impact of GA₃ and growing media on seed germination and seedling parameters of Khirni (*Manilkara hexandra* Roxb.). *The Pharma Innovation Journal*, 11(2): 1907-1911.
- Barad T. H., Chandegara V. K., Rathod P. J. and Mori M. R. (2021). Quality evaluation of a jaggery prepared from developed three pan jaggery making furnace. *Int. Journal of Chemical Studies*, 9(1): 907-913.
- Bera K.L., Butani A.M. and Solanki K.S. (2021) Effect of plant geometry on growth and yield of papaya (*Carica papaya* L.) Cv. GJP-1. *The Pharma Innovation Journal*, 10(12): 1716-1718.
- 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 (*Sesamum indicum* L.) varieties. *Frontiers in Crop Improvement*, 9(4): 1285-95.
- 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 (*Sesamum indicum* l.) varieties. *Frontiers in Crop Improvement*, 9(4): 1276-78.
- 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 (*Sesamum indicum*L.) varieties. *Frontiers in Crop Improvement*, 9: 1279-1284.
- Bhukya J., Vyas D. M., Nickhil C. and Rathod P. J. (2021). Development of juice extraction process for pomegranate (*Punica granatum*): Evaluation and physicochemical aspects. *Indian Journal of Agricultural Sciences*, 91(6): 936-938
- Chaudhari H. A., Antala V., Radadiya N., Mahatma M. K. and Tomar R. S. (2022). Selection of suitable reference gene for gene expression studies during groundnut seed germination. *Research Journal of Biotechnology*, 17(2): 64-71.
- Chaudhari P.N., Kapadiya P.S. and Gadariya M.R. (2022). Characteristics, curve and persistency of lactation in Jaffarabadi (*Bubalus bubalis*) Buffaloes. *Ind. J Vet. Sci. and Biotech.* 18(2), 81-84.
- Chaudhari P.N., Kapadiya P.S., Gadariya M.R., Gamit P.M., and Savaliya B.D. (2022). Test-day and other milk recording options for prediction of lactation milk yield in Gir (*Bos indicus*) Cows. *Ind. J Vet. Sci. and Biotech.* 18(2): 85-89.
- Chavda K. A.; Jethava A. S.; Zinzala S. N.; Sapovadiya M. S. and Vachhani J. H. (2021). Character association and their direct and indirect effects on bulb yield in onion (*Allium cepa* L.). *The Pharma Innovation Journal*, 10(4): 179-181.
- Damor N.N., Solanki R.M., Hadiyal J.G. and Dharaiya B.K. (2021). Effect of drip irrigation schedules and fertigation levels on growth parameters and yields of wheat (*Triticum aestivum* L.). *Journal of Pharmacognosy and Phytochemistry*, 10(2): 1546-1550.
- 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.



- Gauswami J. J., Valu M. G. and Odedara G. N. (2021). Correlation, path coefficient and D2 analysis study of seed cotton yield and fibre quality traits in American cotton (*Gossypium hirsutum* L.). *Journal of Pharmacognosy and Phytochemistry*, 10(3): 222-230.
- Gauswami J. J., Valu M. G. and Odedara G. N. (2021). Genetic variability, coefficient of variance, heritability and genetic advance in American cotton (*Gossypium hirsutum* L.). *Ind. J. Pure App. Biosci.* 9(3):180-186.
- Hemalatha M. and Chaudhari S. B. (2021). Effect of pre sowing treatments on seed germination and its parameters in sandalwood (*Santalum album* L.). *Journal of Pharmacognosy and Phytochemistry*, 10(1): 92-95.
- Hirpara Neha J. and Dabhi M. N. (2021). A Review on effect of Amylose/Amylopectin, Lipid and relative humidity on Starch based Biodegradable films. *International Journal of Current Microbiology and Applied Sciences*. 10(4):500-531.
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- Jadav D. A., Kumawat P. D., Dharaiya B. K. and Ghetiya K. P. (2022). Effect of sowing time, plant growth regulators and nipping on yield attributes and yield of chickpea (*Cicer arietinum* L.) under south saurashtra condition. *The Pharma Innovation Journal*, 11(1):317-321.
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- Jogal K. V., Trivedi S. M. and Lakhani C. D. (2021). Adoption of improved animal husbandry practices by dairy farmers. *Indian Journal of Animal Sciences*, Vol. 91 (12):107-109.
- Juneja R. P., Parmar G. M., Mungra K. D., Detroja A. C., Kadvani D. L. and Parmar S. K. (2021). Development of low cost protection technology for shoot fly and stem borer in pearl millet crop. *Journal of Entomology and Zoology Studies*, 9 (1): 1562-1565.
- Kanzaria, D. R., Polara N. D., Patel H. N., Parasana J. S., Senjaliya H. J. and Varu D. K. (2022). Prediction of mango fruit maturity using growing degree-days. *The Pharma Innovation J.*, 11(2): 1088-1091.
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- Makwana Ajay and Mohnot P. (2021). Development of sprayer robot. *The pharma Innovation Journal*, SP-10(7): 299-303.
- Mithapara K. D. and Karetha K. M. (2021). Influence of season and environmental conditions on growth parameters of softwood grafts of sapota cv. Kalipatti. *The Pharma Innovation Journal*, 10(12):782-787.
- Mori R. B., Sharma L.K., Kulkarni G.U., Javia R.M., Bhoot H.V., Divakara C.S. and Singh S.P. (2021). Characterization of kabuli chickpea (*Cicer arietinum* l.) genotypes through plant morphological characters. *Frontiers in Crop Improvement*, 9 (2):141-151.



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- Parmar G. M., Patel P. R., Parmar S. K., Mungra K. D. and Sharma M. K. (2021). Effect of growth substances on morpho-physiological traits and yield in pearl millet under rainfed condition. *Journal of Pharmacognosy and Phytochemistry*, 10(2): 971-974
- Parmar H. V. and Gontia N. K. (2021). Estimation of Evapotranspiration using Remote Sensing and Surface Energy Balance Algorithm for Land (SEBAL) in Canal Command. *Journal of Agricultural Engineering*, 58(3): 274-285.
- Parmar V. L., Sharma L. K., Javia R. M., Mori R. B. and Divakara C. S. (2021). Grouping of Kabuli Chickpea (*Cicer arietinum* L.) genotypes based on plant morphological character. *Frontiers in Crop Improvement*, 9: 3712-3720.
- Parmar V. L., Sharma L. K., Mori R. B., Javia R. M. and Divakara C. S. (2021). Grouping of Kabuli Chickpea (*Cicer arietinum* L.) genotypes based on quality seed parameters and chemical tests. *Frontiers in Crop Improvement*, 9: 2957-2966.
- Parmar V. M. and Karetha K. M. (2021). Nutritional and organoleptic evaluation of Physical dragon fruit species from different regions of Gujarat. *The Pharma Innovation Journal*, 10(11):3009-3012.
- Parsana J. S., Varu, D. K., Baladha R. F, Gohel B.C. and Solanki M. B (2021). Effect of pruning and integrated nutrient management on growth and flowering of custard apple (*Annona squamosa* L.) cv. Sindhan. *The Pharma Innovation Journal*, 10(12): 108-110.
- Patel B. M., Vachhani J.H., Godhani P. P. and Sapovadiya M. H. (2021) Combining ability for fruit yield and its components in okra [*Abelmoschus esculentus* (L.) Moench] *Journal of Pharmacognosy and Phytochemistry*, 10(1):247-251.
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- Solanki M. B., Varu D. K., Subhrajyoti Mishra, Gohel Bhavin and Parsana J. S. (2021). Effect of Chemicals and Agro-techniques on growth and flowering of mango cv. Kesar. *The Pharma Innovation Journal*, 10(9): 1212-1217.



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- Solanki S.M., Sharma, L.K., Kulkarni, G.U., Javia R.M., and Singh S.P. (2021). Characterization of chickpea genotypes (*Cicer arietinum* L.) through morphological characters, chemical tests and quality parameters. *Frontiers in Crop Improvement*, 9: 38-43.
- Sorathiya H. P., Babariya C. A., Babiaya A. V. and Rathod V. T. (2021). Phenotypic and genotypic path coefficient analysis in black sesame (*Sesamum indicum* L.). *Journal of Emerging Technologies and Innovative Research*, 8 (8):379-383.
- Subhrajyoti Mishra, Karetha K. M., Solanki M. B. and Gohel Bhavin (2021). Comparative account of leaf Morphometrics in strawberry (*Fragaria X ananassa* Duch.). cv. winter down under horizontal and vertical production systems. *The Pharma Innovation Journal*, 10(10):101-107.
- Tatmiya R. N., Ambalam Padma and Tomar R.S. (2021). Metabolomics of groundnut (*Arachis hypogaea* L.) genotypes during groundnut- *Sclerotium rolfisii* interaction at different stages of infection. *Research Journal of Biotechnology*, 16(4): 101-111.
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- Usadad J.S., Chaudhari S. B., Sapovadiya M. H. and Bagadiya P. G. (2022). Multivariate analysis in durum wheat [*Triticum turgidum* L. subsp. *durum* (Desf.)]. *The Pharma Innovation Journal*, 11(3):938-941.
- Vadalia D. D. and Prajapati G. V. (2022). Determination of crop coefficient of wheat (*Triticum Aestivum* L.) under different land configuration and Irrigation Systems. *The Pharma Innovation*, 11(1):1245-1249.
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Research Papers published in International Journal

- Anwarulhaq, Varu D. K., Mohammad Ismail sadat and Tayebullah Zahid (2021). Effect of foliar spray of multi micronutrient grade IV and different fruit covering bags on yield and different quality of pomegranate cv. Bhagwa. *International Journal of Agricultural Science and Research*, Vol. 11, Issue 2: 69-76.
- Asodariya S. R., Rajani A. V., Jadeja A. S., Vora T. V. and Hirpara D.V. (2021). Effect of different levels of potassium and zinc application on growth and yield attributes of Biofortified pearl millet [*Pennisetum glaucum* (L.) R. Br.] under medium black calcareous soils of south Saurashtra region of Gujarat. *The Pharma Innovation Journal*, 10(10): 2554-2556.
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- Deepak K. and Rank H. D. (2021). Comparison of Fenugreek crop evapotranspiration measured by a micro-lysimeter, field water balance method and automatic closed canopy chamber. *International Journal of Agriculture, Environment and Biotechnology*, 14(1): 29-49.
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