



## Appendix-II

### List of research papers published

#### Research Papers published in National Journal

- Ahlawat, A.R.; Dongre, V.B.; Gajbhiya, P.U.; Vadalia, J.V.; Savsani, H.H. and Odedra, M. D. (2015). Inheritance coat color in horse. *Pasudhan*, 42(3): 7-8.
- Bagada, P. J.; Goyal, S.R. and Dwivedi, D.K. (2016). Standardization of Packaging Technology of Fresh & Processed Guava Fruits. *Advances in Life Sci.*, 5(5), ISSN: 2278-3849, 1988-1999.
- Barad A. H.; Kapdadia, M. N. and Jethva, D. M. (2015). Natural occurrence of *Nomuraea rileyi* on *Helicoverpa armigera* in pigeonpea ecosystem. *Indian J. Plant Protection*, 43(2):163-166.
- Baraskar, V. V.; Kachhadia, V. H.; Vachhani, J. H.; Jivani, L. L. and Patel, M. B. (2015). Correlation and path analysis for seed yield in soybean [*Glycine max* (L.) Merrill]. *Electronic J. Pl. Br.*, 6(2):570-573.
- Bhadaniya, R.; Trangadia, B. J.; Prasad, M. C.; Fefar, D. T.; V.A. Kalaria; Vadaliya, J. V. and Modi, K. S. (2015). Pathology of Melanocytic tumour in cattle. *Indian J. Vet. Patho.*, 39(3):249-250.
- Bharpoda, T. M.; Borad, P. K.; Jhala, R. C.; Ghetiya, L. V. and Shah, K. D. (2016). Evaluation of IPM module for the management of sucking insect pests of Bt cotton. *J. Cotton Res. Dev.*, 30(1):112-116.
- Butani, A.M.; Makawana, A.N.; Mital, Vaghasiya; Bhalani, R.B. and Chotaliya, B.M. (2015). Study of osmotic dehydration and preservatives on qualitative characteristics of mango (*Mangifera indica* L.) slice cv. Kesar. *Trends in Bio Sci.* 8(21):5954-5962.
- Chauhan, H.; Chauhan, P.M. and Dhruj, I.U. (2015). Development of Soil Profile Temperature Prediction Models for Bare And Solarized Field Conditions. *Scientific Journal of Agricultural Engineering*. Year XL, No.2, pp 81-90.
- Chauhan, P. M.; Antala, D. K. and Satasiya R. M. (2016). Temperature Profile Study of Selected Natural Ventilated Greenhouses and Development of Temperature Prediction Models. *Global Journal for Research and Analysis*. March-16, 3(5): 1-7
- Chauhan, P.M.; Joshi, V. P. and Satasiya, R. M. (2016). Cost-Effective Performance of Wind Pump Operated Drip Irrigation System for Greenhouse Rose Cultivation. *Advances in Life Science Journal*, 5(4): 1450-1456.
- Chauhan, P.M.; Kim, W. S. and Lieth, J. H. (2016). Combined Effect of Whitening and Ventilation Methods on Microclimate and Transpiration in Rose Greenhouse. *Advances in Life Sci. Journal*, 5(4), pp: 1540-1551.
- Chauhan, P. M.; Swati Mane and Joshi, V. P. (2016) Performance Evaluation of Solar Greenhouse Type Dryer for Fish Drying. *Advances in Life Science Journal*, 5(4), pp: 1414-1420.
- Chendake, A. D. and Chauhan, P. M. (2015). Marketing strategy of greenhouse vegetable and flower growers in sabarkantha, district of Gujarat, India. *J. Agric. Res.*, 2015, 53(2)
- Desale, C.S. and Mehta, D.R. (2015). Genetic analysis in wheat (*Triticum aestivum* L.). *GAU Res. J.*, 40(1):28-32.
- Dobariya, U.; Sarsavadiya, P.; Vaja, Krishna and Khardiwar Mahadeo (2015). Physicochemical Properties of Cotton Stalk Biomass from Agricultural Residues. *Current World Environment*, 10(1): 343-349.
- Dudhat, B.L. and Shiyani R.L. (2015). Variation in Adopters Perceptions with Respect to Groundwater Scarcity and Power Tariff in Saurashtra Region, Gujarat. *Trends in Biosciences*, 8(24), pp. 6903-6913.



- Dudhat, B.L. and Shiyani, R.L. (2015). Irrigation Cost, Investment & Well Life in Flat rate and Pro-rata system of Amreli and Bhavnagar District in Gujarat, India: A Comparative Study. Trends in Biosciences, 8(24), pp. 6887-6893.
- Dulera, J. G.; Jethva, D. M.; Kavathiya, Y. A. and Makwana, D. K. (2016). Indigenous Practices of Plant Oils on Reproductive Potential of *C. cephalonica* on Stored Groundnut. Advances in Life Sciences 5(6), ISSN: 2278-3849, 2166-2171.
- Gami, T.K. and Dhandhalya, M.G. (2015). Change in Total Factor Productivity of Groundnut (*Arachis hypogaea* L.) in Gujarat: The Technological Gains. Agricultural Economics Research Review, 28 (Conf.No.), pp: 0331.
- Ghodasara, S. N.; Bhadaniya, A. R.; Savsani, H. H.; Kalariya, V. A. and Odedara, M. D. (2015). Clinico-therapeutics of hypothyroidism in a Labrador dog. Intas Polivet 14(2): 432-435.
- Ghodasara, S. N.; Fefar, D. T.; Bhadaniya, A. R.; Savsani, H. H. and Kalariya, V. A. (2015). Haemato-biochemical profile and therapeutic management of Ehrlichiosis in German Shepherd dogs. Intas Polivet, 15(1): 165-167.
- Ghodasara, S. N.; Roy, A.; Bhadaniya, A. R.; Savsani, H. H.; Kalariya, V. A. and Odedara, M. D. (2015). Isolation, Identification and Molecular characterization of *Brucella canis* from reproductive disorders of Bitch. Ind.Vet.J., 91(08): 52-55.
- Gowthaman, V.; Singh, S. D.; Dhama, K.; Bharatidarsan, R.; Srinivasan, P.; Saravanan, S.; Ramasamy, T.; Deb, R.; Mathapati, B. S. and Ramakrishnan, M.A (2015). Detection and partial genetic characterisation of a novel variant of avian nephritis virus in Indian poultry flocks showing diverse clinical signs. Acta Veterinaria Hungarica 63(4): 499-507
- Gupta, R. P.; Vachhani, J. H.; Kachhadia, V. H.; Vaddoria, M. A. and Barad H. R. (2015). Correlation and path analysis in Virginia groundnut (*Arachis hypogaea* L.). Electronic J. Pl. Br., 6(1): 248-252.
- Gupta, R. P.; Vachhani, J. H.; Kachhadia, V. H.; Vaddoria, M. A. and Papi Reddy (2015). Genetic variability and heritability studies in Virginia groundnut (*Arachis hypogaea* L.) Electronic J. Pl. Br., 6(1): 253-256.
- Gupta, R. P.; Vachhani, J. H.; Kachhadia, V. H.; Vaddoria, M. A. and Praveen Kumar (2015). Selection indices in Virginia groundnut (*Arachis hypogaea* L.). Electronic J. Pl. Br., 6(2): 560-565.
- Gupta, R. P.; Vachhani, J. H.; Kachhadia, V. H.; Vaddoria, M. A. and V. J. Bhatiya (2015). Genetic divergence in Virginia groundnut (*Arachis hypogaea* L.). Electronic J. Pl. Br., 6(2): 566-569.
- Joshi, V.P. and Chauhan, P. M. (2016). Combating Climate Change Through off-Seasonally Raising Seedling of Papaya (*Carica Papaya* L.) in Protected Environment. Research on Crops, 17(2).
- Jyoti Kumari; Kulkarni, G.U. and Sharma L.K. (2015). Studies on genetic variability, correlation and path analysis in fenugreek (*Trigonella foenum-graecum* L.). Frontiers in Crop Improvement, 3(1): 46-48.
- Kalaiya, S.V.; Chauhan, P.M. and Akabari, S.H (2016). Process development for the production of biodiesel from microalgae (*Chlorella* sp.) produced by locally developed culture. Green Farming, Jan.-Feb, 2016, 7(1).
- Kanzaria, D.R.; Chovatia, R. S.; Polara, N. D and Varu, D. K. (2015). Impact of GDD on phenology of mango (*Mangifera indica*). Indian J. of Agril. Sci. 85(8): 1114-1117.
- Kanzaria, D.R.; Patel, H.N.; Madariya, R.B.; Asodariya, V.V.; Polara, N.D.; Malam, V.R and Senjalia, H.J. (2015). Effect of bio-regulator and trunk diameter on gum production from *Acacia senegal* L. Willd. Trends in Bio Sci., 8 (16): 5347-5353.



- Kapadia, H. J.; Butani, A. M. and Khanapara, M. D. (2015). Efficacy of Fungicide-Taqat against Alternaria disease of cotton. Indo American J. Agril. Vete. Sci., 3(2).
- Kapadiya, I. B.; Lukose, C and Akbari, L.F. (2016). Evaluation of fungicides against *Stemphylium blight* in garlic. Indian journal of arecanut, spices & medicinal plant, 14(4): 21-26.
- Karangiya, V. A.; Savsani, H. H.; Padodara, R. J.; Ribadiya, N. K. and Vekariya, S. J. (2016). Effect of garlic and ginger as feed additives on blood profile and broiler performance. The Indian Journal of Veterinary Science and Biotechnology, 11(3): 1-4.
- Kejkar, P. K. and Polara, N. D. (2015). Effect of N, P and K on growth, bulb yield and nutrient content in ratoon spider lily (*Hymenocallis littoralis* L.) cv. Local. Hort. Flora Research Spectrum, 4(3): 222-27.
- Kumar, Binod; Maharana, B. R.; Prasad, Amit; Joice, P. Joseph; Patel, B. R. and Patel, J. S. (2015). Seasonal incidence of parasitic diseases in bovines of south western Gujarat (Junagadh) India. Journal of Parasitic Diseases Springer, pp.1-5
- Kumawat, P. D.; Kacha, D. J. and Dahima. N. U. (2015). Effect of crop geometry and drip irrigation levels on sugarcane in South Saurashtra region of India. *Indian Journal of Agricultural Research*, 4512:1-4
- Maharana, B. R.; Tewari, A. K. and Singh, V. (2015). An Overview of kinetoplastid Parafagellar Rod. Journal of Parasitic Disease, 39(4): 589-595.
- Moradiya, T.M.; Patoliya, B.V.; Ghelani, M.K. and Patel, J.V. (2015). Bio-efficacy of Bio-Pesticides Alone and in Combination with Insecticides against *Spodoptera litura* (Fabr.) in Soybean Under Laboratory Condition. Trends in Biosciences, 8(23), pp. 6707- 6710.
- Mungra, K. S.; Dobariya K. L.; Sapovadiya, M. H. and Vavdiya, P. A. (2015). Combining ability and gene action for grain yield and its component traits in pearl millet (*Pennisetum glaucum* (L.) R. Br.). Electronic J. Pl. Br., 6:66-73.
- Naghera, Y.V.; Vaddoria, M.A.; Mehta, D.R. and Chakraborty B. (2015). Genetic diversity analysis in lablab bean [*Lablab purpureus* (L.) Sweet]. Res. Environ. Life Sci., 8(2S):313- 316.
- Odedara, M. D.; Ravikala, K.; Khilledar, A.; Sarvaiya, N. P. and Padodara, R. J. (2015). Effect of supplemental rumen bypass lysine and methionine on digestibility and efficiency of nutrients in growing Jaffrabadi heifers. Ind. J. Vet. Sci. Biotechnol, 10(3): 54-59.
- Odedra, M. D.; Ravikala, K.; Killedar, A.; Sarvaiya, N. P. and Padodara, R. J. (2016). Growth performance and hematological and hormonal profile of Jaffrabadi buffalo heifers supplemented with rumen bypass Lysine and Methionine. The Indian Journal of Veterinary Science and Biotechnology 11(3): 8-11.
- Parmar, V. L.; Prasad, Amit; Patel, J. S.; Barad, D. B. and Javia B. B. (2015). Clinico-Therapeutic Management of Tetanus in Caprines. Intas Polivet, 16(2): 380-381.
- Parmar, V. L.; Prasad, Amit; Patel, J. S.; Dodiya, P. G.; Javia, B. B. and Mathpati, B. S. (2015). Therapeutic Management of Clinical Mastitis Caused by *Pseudomonas Spp* with Special Reference to Homeopathy Medicine in Jafarabadi Buffalo-A Case Study. Ruminant Science, 4(2), pp: 29-32.
- Patbandha, T. K.; Marandi, S.; Ravikala, K.; Pathak, R.; Maharana, B. R. and Murthy, K. S. (2015). Association of milk components with intra-mammary inflammation in Jaffraabadi buffaloes. Vet. World, pp: 989:993
- Patbandha, T. K.; Ravikala, K.; Maharana, B. R.; Marandi, S.; Ahlawat, A, R. and Gajbhiye, P. U. (2015). Effect of season and stage of lactation on milk Components of Jaffrabadi buffaloes. The Bioscan, 10(1):1-4.
- Patel, A.M.; Vadalia, J.V.; Vineet Kumar; Patel, P.B. and Barad, D.B. (2015). Identifying Oral Bacterial Microflora Associated with Canine Dental Plaque-A Study of 53 Canines. Intas Polive, 16(2): 391-393.



- Patel, B. R.; Patel, J. S. and Parmar S. C. (2015). Clinico-Therapeutic Management of Actinobacillosis in bullock. *Intas Polivet*, 16(2): 373-375.
- Patel, J. B.; Ukani, J. D.; Babariya, C. A. and Ramani, P. S. (2016). Characterization of wheat varieties (*Triticum* spp.) through seed morphology. *Journal of Applied and Natural Science*. 8(1): 464 - 468.
- Patoliya, B.V.; Virani, V.R.; Ghelani, M.K. and Moradiya, T.M. (2015). Screening of Castor Cultivars against Capsule Borer, *Dichocrocis puntiferalis* Guin. *Trends in Biosciences*, 8(23), pp. 6704-6706.
- Poshiya, S.C., Dhaduk, L. K., Raval Lata and Mehta, D. R. (2015). Heterosis study in ridge gourd (*Luffa acutangula* (Roxb.) L.). *Electronic J. Plant Breeding*, 6(2):581-8585.
- Pramdam, A. K.; Beura, K. S.; Das R.; Padham, D.; Hazara, G.C.; Mamdal, B.; De, N.; Mishra, V.N.; Polara, K.B. and Sharma, S. (2015). Evaluation of extractability of different extractants for zinc and copper in soils under long term fertilizer. *Plant Soil Environment*, 61(5):227-233.
- Rajani, C.J.; Mehta, D.R. and Vekaria, D.M. (2015). Combining ability for seed yield and yield components in castor (*Ricinus communis* L.). *Green Farming*, 6(6):1234-1237.
- Rajiv Kumar; Patel, J. A.; Patidar D.; Patel N.; Patel S.; Sapre S. and Shah R. (2015). Effect of ethrel spray on ISF induction in pistillate line of castor SKP-84. *J. Oilseed Research*. 32(1): 100-101.
- Rathod, R.K.; Vaddoria, M.A.; Jethava, A.S. and Jivani, L. L. (2016). Efficacy of IBA on Root Regeneration in Some Poplar (*Populus deltoids Bartram Ex-Marsh.*) Clones. *Advances in Life Sciences* 5(5), ISSN: 2278-3849, 1826-1829.
- Rathod, R. R.; Gajera, H.P.; Mehta, D.R. and Delvadiya, N.A. (2015). Biochemical characterization of ridge gourd and sponge gourd genotypes. *Indian J. Agric. Biochem.*, 28(2):128-131.
- Rathod, V.B.; Mehta, D.R.; Solanki, H.V. and Madariya, R.B. (2015). Variability studies and multivariate analysis in Indian mustard [*Brassica juncea* (L.) Czern & Coss]. *GAU Res. J.*, 40(1):12-18.
- Regar, A.L.; Thumar, B.V.; Butani, A.M. and Vaghani, J.J. (2015). Effect of spacing and nitrogen on nutrient content and uptake in leaves of gladiolus (*Gladiolus grandifloras* L.) cv. American beauty. *Trends in Bio Sci.*, 8(15):3928-3931.
- Sapovadiya, M. H.; Dobariya K. L.; Babariya C. A.; Mungra, K. S. and Vavdiya, P. A. (2015). Heterosis for seed yield and its components over environments in castor (*Ricinus communis* L.). *Electronic J. Pl. Br.*, 6: 1118-1123.
- Sapovadiya, M. H.; Dobariya, K. L.; Babariya, C. A.; Mungra, K. S. and Vavdiya, P. A. (2015). Heterosis for seed yield and its components over environments in castor (*Ricinus communis* L.). *Elec. J. Pl. Breed.*, 6(4): 1118-1123.
- Sapovadiya, M.H.; Dhaduk, H.L.; Mehta D.R. and Patel N.B. (2015). A diallel studies in water melon (*Citrullus lanatus* (Thunb.) Mansf.). *Frontiers in Crop Improvement*, 3(2): 187-188.
- Saradava, D. A.; Muchhadiya, D.V. and Patel, V.N. (2015). Bio- efficacy of eco-friendly insecticides against leaf webber and capsule borer, *Antigastra catalaunalis* Duponchel in sesame. *Pestology*, 39(8): 35-37.
- Sharma, L.K. and Kulkarni, G.U. (2015). Association studies in coriander (*Coriandrum sativum* L.) under irrigated and limited irrigation condition. *Frontiers in Crop Improvement*, 3(2): 120-124.
- Sheikh, W. A.; Dedhrotiya, A. T.; Khan, Nargish; Gargi, T.; Patel, J. B. and Acharya, S. (2015). An efficient in vitro regeneration protocol from cotyledon and cotyledonary node of clusterbean (*Cyamopsis tetragonolaba* L. Taub). *Current Trends in Biotech. and Pharmacy*, 9(2): 175-181.



- Singh, H.; Tewari, A. K.; Mishra, A. K.; Maharana, B. R.; Sudan, V. and Rao, J. R. (2015). Detection of antibodies in domestic ruminants by recombinant truncated SAG2 enzyme linked immunosorbent assay. *Tropical Animal Health and Production*, 47(1): 171-178.
- Suman Kumar, M.; Sindhi, S. H.; Dhanze H. and Mathapati, B. S. (2015). Sero-prevalence of Brucellosis among Veterinarians and Livestock in Junagadh Region of Gujarat State. *Journal of Foodborne and Zoonotic Diseases*, April-June, 2015, 3(2), Pp: 23-26.
- Sunita Kumari; Sharma, L. K.; Sandhya and Mukul (2015). Per Se Performance and Selection Indices over Irrigated and Limited Irrigation Conditions in Coriander (*Coriandrum sativum* L.). *Journal of Pure and Applied Microbiology*, 9(3): 2571-2578.
- Supriya, S. G. and Polara, N. D. (2015). Effect of growing media and storage of stone on the growth and development of mango (*Mangifera indica* L.) Rootstock cv. Local. *Hort. Flora Res. Spectrum*, 4(3): 236-240.
- Vadar, H. R. and Subbaiah, R. (2016) Performance of Summer Okra under Subsurface Drip Irrigation Method in Clay Loam Soil of Coastal Saurashtra. *Advances in Life Sciences*, 5(6), 2161-2165, ISSN: 2278-3849.
- Vaghasia, P. M.; Bhalu V. B and Kachhadia V. H. (2016). Nutrient requirement for confectionery groundnut (*Arachis hypogaea* L.) under irrigated condition. *Agric. Sci. Digest.*, 36(1): 48-51.
- Vaghasia, P. M.; Bhalu, V. B. and Kavani, R. H. (2015). Evaluation of herbicides for effective weed control in irrigated castor (*Ricinus communis* L.). *J. Oilseeds Res.*, 32 (2): 132–135.
- Valu M. G.; Madariya R. B.; Mehta D. R. and Khanpara, M. D. (2015). Genetic architecture of oil content in cotton (*Gossypium hirsutum* L.). *Electronic J. Pl. Br.*, 6(3): 749-754.
- Variya, M. V.; Bhut, J. B. and Patel, J. J. (2015). Evaluation of different trap crops against leaf miner, *Liriomyza trifolii* BURGESS in tomato. *Bioinfolet*, 11 (1C): 333-337.
- Vasoya, Nishith; Virdia, R. R.; Polara, N. D. and Kanzaria, D. R. (2015). Response of Gaillardia to plant growth regulators and pinching. *Trends in Bio Sci.*, 8(16):4090-4095.
- Vekaria, D. M.; Dobariya K. L.; Patel M. B. and Rajani, C. J. (2015). Genetic variability, correlation and path analysis in F<sub>2</sub> generation of sesame (*Sesamum indicum* L.). *Green Farming*, 6:682-686
- Vekaria, D. M.; Dobariya K. L.; Rajani, C. J. and Patel, M. B. (2015). Nature and magnitude of gene action and genetic components of variation for yield and yield contributing characters in F<sub>2</sub> generation of sesame (*Sesamum indicum* L.). *The Bioscan*, 10:857-861.
- Vekariya, P. D.; Khokhani, M.G.; Gajera, M.S. and Akbari, K. N. (2015). Production potential and economics of cotton (*Gossypium hirsutum*)-based intercropping systems under rainfed conditions of North Saurashtra Agro-climatic Zone of Gujarat. *Journal of Cotton Research and Development*, 29(2):264-267.
- Vishnudeo Kumar and Anil Sharma (2015) Gross and histological study on the abattoir ovaries of Jaffrabadi buffalos. *The Indian Journal of Veterinary Sciences and Biotechnology*. 11(2), Pp 72-75.
- Vivek, Pal; Shiyani, R.L. and Ardesna, N.J. (2015). Agricultural Status Index: A District Level Analysis of Agricultural Development in Gujarat, *Contemporary Social Science*, Oct.-Dec., 2015, 24(4), pp.11-24.
- Vora, P. P.; Patel, K.C.; Patel, R.J. and Rank H.D. (2016). Development of Chance Constrained Linear Programming (CCLP) Model for Water Harvesting and Management. *Advances in Life Sciences*, 5(4): 1464-1469, ISSN: 2278-3849.



- Vyas, U.M; Makwana, Parimal and Jadeja, K.B. (2015). Evaluation of phytoextracts and bioagents against *Alternaria porri* causing purple blotch of onion. *Pestology*, 38(3):38-41.
- Wadaskar, P. S.; Jethva, D. M. and Vigneshwaran, S. (2015). Influence of cold storage on survival of different stages of *Corcyra cephalonica* (Stainton). *Bioinflolet*, 12(2B): 484-486.
- Research Papers published in International Journal**
- Aghera, S.R.; Karetha, K.M.; Chovatiya, V.M.; Pansuriya, P.B.; Varasani, J.V. and Rajput, R. P. (2015). Studied on post-harvest life of Golden rod (*Solidago canadensis* L.) cv. Local Progressive Research *Intern. J. soc. Sci. dev.*, 10(special-5): 2679-2683.
- Aherabam Ranila; Kanani, M. K.; Bhut, J. B. and Borad, P. K. (2015). Population dynamics of *Aphis gossypii* on coriander in relation to biotic and abiotic factors. *Int. J. Pl. Prot.*, 8(2): 376-378.
- Akula Venu; Barad, A.V.; Bhalani, R.; Sharma, L. K.; Solanki, D.R. and Makhmale, S. (2015). Malformation-A burning problem of mango (*Mangifera indica* L.). *Progressive Research An International Journal*, 10(Special-VI): 3337-3343.
- Anandaraja, N.; Swaminathan, B. and Sivabalan, K. C. (2015). Use of Information and Communication Technology (ICT) to Achieve Information Literacy in Agriculture. *International Journal of Agricultural Extension*, 3(2), pp. 111-122.
- Anjali Giritlahare; Marsonia, P. J. and Sakarvadia, H. L. (2015). Effect of zinc and iron and yield and yield attributes of okra (*Abelmoschus esculentus* L.). *An Asian J. Soil Sci.*, 10(1):104- 107.
- Bochalya, B.C. and Javia R.M. (2016). Constraints faced by beneficiaries in proper utilization of the assistance received under Prime Minister Rozgar Yojana. *Agric. Update*, 11(1): 87-89.
- Butani, A.M.; Chovatia, R.S.; Rankja, N.J and Chotaliya, B.M. (2015). Effect of integrated nutrient management on net return and cost benefit ratio of banana. *Progressive Research Intern. J. soc. Sci. dev.*, 10(Special-5):2526-2528.
- Chaudhary, J. S.; Patel, K. D.; Yadav, Likes; Patel, U.I. and Varu, D. K. (2016). Effect of Plant Growth Regulators on flowering, fruit set and yield of custard apple (*Annona squamosa* L.) cv. Sindhan. *Advances in Life Sci.*, 5(4): 1202-1204.
- Chauhan, P.M. and Dhruj, I. U. (2016). A Review on Soil Solarization: Non-Chemical Method for Controlling Weeds & Soil Born Disease. *International Journal for Scientific Research & Development*, 3(12).
- Chauhan, P.M. (2015) Design and performance prediction of earth pipe heat exchanger in cooling mode. *IJSRD*, 3(4), pp: 842-46.
- Chauhan, R.V.; Varu, D.K.; Kava, K.P. and Bhuva, S.K. (2015). Effect of gibberellic acid on growth, flowering and cut flower yield of gerbera under protected condition. *Green Farming*, 6(1):199-201.
- Chavda, D. B.; Makwana, J. J.; Parmar, H. V., Kunapara, A. N. and Prajapati G. V., (2016), Estimation of runoff for ozat catchment using RS and GIS based SCS-CN Method. *Current World Environment. An International Research Journal of Environmental Science*. ISSN: 0973-4929, Online ISSN: 2320-8031.
- Chavda, S.K. and Chaudhari, R.J. (2015). Bio-efficacy of Different Phyto-extracts against the *Alternaria alternate* of Mango in vitro. *Trends in Biosciences*, 8(20), ISSN: 0974-8431, 5549-5552.
- Chavda, Sahdev and Chaudhari, R.J. (2015). Bio-Efficacy of Various Antagonists against the Pathogen *Alternaria alternata* of Mango in vitro by Dual Culture Technique. *Trends in Biosciences*, 8(20), ISSN: 0974-8431, 5611-5614.



- Chormule, S. R.; Bhatiya, V. J. and Patil, A. S. (2015). Effect of seed treatments on quality of chickpea (*Cicer arietinum* L.), AGRES-An International e-Journal, 4(1): 65-71.
- Chourasia, Ankit; Virdia, R.R.; Ansar, H. and Male, Shubham N. (2015). Evaluation of different gladiolus cultivars for growth, flowering, spike yield and corm yield under Saurashtraregion of Gujarat. The bio Sci. 10(1):131-134.
- Dabhi, M. V.; Patel, H. N. and Kanzaria, D. R. (2016). Effect of Physico-Biochemical Characters and Correlation among Earias vittella, Infesting Summer. Advances in Life Sci., 5(1):73-76.
- Dabhi, M.V.; Patel, H. N.; Kanzaria, D. R.; Chitroda, R. L. and Chotaliya, B.M. (2016). Bio efficacy of Newer Insecticides and Botanicals against Sucking Pests of Okra (*Abelmoschus esculentus* (L) Moench. Adv. in Life Sci., 5(2): 471-475.
- Dagade, S. B. and Dhaduk L. K.(2015).The genetic analysis of fruit firmness and related fruit of tomato An International quarterly Journal of life sciences. The Bioscan, 10(4): 1957-1962.
- Dagade, S. B.; Barad, A. V.; Dhaduk, L. K. and Prasanna, H. K.(2015). Heterosis and inbreeding depression for fruit yield and related characters in Tomato (*Lycopersicon esculentum* mill) International Journal of Research in Bioscience, 4(2): 21-28.
- Dagade, S. B.; Dhaduk, L. K.; Mehta, D. R. and Barad, A.V.(2015).Genetic achievement of some yield and biochemical traits of tomato. Electronic journal of plant breeding, 6 (3): 787-791.
- Dagade, S. B.; Dhaduk, L. K.; Prasanna, H. K.; Mehta, D. R.; Bhatt, V.M. and Barad, A.V.(2015). Parent offspring relations of nutritional quality traits in 8 x 8 partial diallel cross of fresh tomatoes. International Journal of Applied biology and pharmaceutical tech., 6(2): 45-55.
- Dhedhi, K. K.; Ansodariya, V. V.; Chaudhari, N. N. and Sorathiya, J. S. (2015). Fodder production potential of pearl millet cultivars under marginal environments of Gujarat. Internat. J. For. & Crop Improv., 6(2): 6-11.
- Dhedhi, K. K.; Ansodariya, V. V.; Chaudhari, N. N.; Sanghani, J. M. and Sorathiya, J. S. (2015). Genetic variability and character association for fodder yield and its related traits in pearl millet over locations under rainfed conditions of Gujarat. Internat. J. for Crop Improv., 6(2): 39-41.
- Donga, M.H.; Kulkarni, G.U.; Sharma, L.K. and Chatrabhuji B.J. (2015). Effect of seed storage periods, materials and seed treatments on germination rate, seed vigour and moisture of soybean. Progressive Research An International Journal, 10 (Special-V): 2776-2780.
- Donga, S. J.; Chovatia, P. K. and Vekaria, L.C. (2015). Effect of organic manure and bio fertilizer on nutrient content and uptake of coriander. Trends in Bioscience, 8(24):6839-6843.
- Golakia P.R.; Poshia V.K. and Monpara B.A. (2015). Identification of superior donor parents for earliness through combining ability in castor. International J. of Res. in Plant Science, 5(3): 26-31.
- Janila, P.; Pandey, M. K.; Shasidhara, Y.; Murali, T. V.; Sriswathia, M.; Khera, P.; Surendra, S. M.; Patne, N.; Vishwakarma, M. K.; Mishra, G. P.; Radhakrishnan, T.; Manivannan, M.; Dobariya, K. L.; Vasanthi, R. P. and Varshney, R. K. (2016). Molecular breeding for introgression of fatty acid desaturase mutant alleles (ahFAD2A and ahFAD2B) enhances oil quality in high and low oil containing peanut genotypes. Plant Sci., 242: 203-213.
- Juneja, R. P.; Parmar, G.M.; Ghelani, Y.H.; Mungara, K.D. and Patel, P. R. (2015). Monitoring of *H. armigera* through sex pheromones in pearl millet crop. Inter. J. Pl. Protec., 8(2): 117-121.



- Jyoti Kumari; Kulkarni, G.U.; Sharma, L.K. and Meta, H.R. (2015). Correlation co-efficient of component characters with seed yield and their direct effects in path analysis in fenugreek grown under three environments. *Progressive Research—An International Journal*, 10(Special-V):2584-2587.
- Kalavadia, N. K.; Patel, H.N.; Dabhi, M.V. and Khanpara, A.V. (2016). Estimation of Yield Losses for Shoot and Fruit Borer on Okra. *Adv. in Life Sci.*, 5(1):512-514.
- Kamble, B. G.; Joshi, A. S.; Sapre, S. S. and Patel, J. B. (2015). Study of physiological quality of seed on the basis of germinative parameters in pearl millet. *AGRES- An International e-Journal*, 4(3): 263-281.
- Kanzaria, D.R. ; Chovatia, R.S. ; Varu, D.K. ; Polara, N.D. ; Chitroda, R.L.; Patel, H. N. and Patel, D.V. (2015). Influence of growing degree days (GDD) on flowering and fruit set of some commercial mango varieties under varying climatic conditions. *The Asian J. of Horti.*, 10(1):130-133.
- Kanzaria, D.R.; Chovatia, R.S.; Patel, D.V.; Chitroda, R.L.; Malam, V.R.; Senjalia H.J. and Patel, H.N. (2015). Effect of pruning, boron and GA<sub>3</sub> on growth, yield and quality of guava (*Psidium guajava* L.) cv. L.49. *Progressive Research-Intern. J. Soc. Sci. dev.* 10(4):315-319.
- Kanzaria, D.R.; Chovatia, R.S.; Varu, D.K.; Polara, N.D.; Chitroda, R.L.; Patel, H.N. and Patel N.B. (2015). Effect of growing degree days on phenology, flowering and maturity of different mango varieties. *Progressive Research—An International Journal*, 10(2): 167-169.
- Kanzaria, D.R.; Polara, N.D.; Patel, H.N. and Senjalia, H.J. (2015). Response of *Acacia Sengal* L. to Ethephon for gum production. *Intrn. J. of Res. Studies in Agril. Sci.*, 1(2): 79.
- Kapadia, H. J.; Gohil, V.N. and Monpara, B. A. (2015). A black sesame variety Gujarat Til-10 (GT-10) Field Resistance to Phytophthora Blight Disease. *Inter. J. of current res.in Bio-sci. and Pl.biology*, 2(12): 53-55.
- Kapadiya, H.J.; Gohil, V.N. and Monpara, B.A. (2015). A black sesame variety Gujarat Til-10 (GT-10) field resistances to phytophthora blight disease. *International Journal of current research in Bio sciences and Plant Biology*, 2(12): 53-63.
- Kapadiya, H.J.; Butani, A.M. and Kanpara, M. D. (2015) Efficacy of fungicide –taqat against alternaria disease of cotton. *Indo-Am. J. Agric. and Vet. Sci.*, 3(2):1-5.
- Kathiriya, J.B. and Trangadia, B.J. (2015).Prevailing Animal Husbandry Practices in Rajkot District of Gujarat State. *International Journal of Scientific Research*, 4(7):501-502.
- Kathiriya, J. B.; Sindhi, S. H. and Ghodasara, S, N. (2016). Leptospirosis in India: A Veterinary Perspective. *International Journal of Sci. Environment and Technology*; 5(2): 499-510.
- Kiran Mori, Sharma, L.K.;Vaishali Mori; Kulkarni, G.U. and Jadeja, S.R. (2015). Genetic variability, correlation and path analysis in fenugreek (*Trigonella foenum-graecum* L.). *Progressive Research—An International Journal*, 10(Special-V): 2444-2449.
- Kumawat, P. D., Nehra, P. L. and Pareek, R. G. (2015). Effect of Irrigation, Foliar Spray of Sulphuric Acid and Pre-sowing Seed Treatments on Growth and Yield of Indian Mustard [*Brassica juncea* (L.) Czernj & Cosson]. *Trends in Biosciences*, 8(18): 5073-5076.
- Lathiya, S.V.; Rajani, V.V and Bhaliya, C.M. (2015). Efficacy of phytoextracts against incitant of chilli (*Capsicum annum* L.) wilt. *Trends in Biosciences*. 8(15): 3846-3849.
- Lukose, Sheena; Niyaria, R.; Godawat, S.L. and Shukla, K. B. (2015). Heterosis for morpho physiological traits associated with drought tolerance in maize. *Progressive Research Intern. J. soc. Sci. dev.* 10 (special-1V): 3513-3515.





- Makhmale, Sandip; Chitroda, R.L. and Cahudhari, Darshana (2015). Flower induction in mango through canopy management and chemicals. *Progressive Research Intern. J. Soc. Sci. dev.* 10 (5):2867-2870.
- Monpara B.A and Vaghasia D. R. (2016). Optimizing sowing time and row spacing for summer sesame growing in semi arid environments of India. *International Journal of current Research and Academic review*, 4(1): 122-131.
- Moradiya, T. M.; Patoliya, B. V.; Ghelani, M.K. and Patel, J.V. (2015). Bioefficacy of biopesticides alone and in combination with insecticides against *Spodoptera litura* (Fabr.) in soybean under laboratory condition. *Trends in Bio-sci.*, 8(23): 6707-6710.
- Mori, V.K.; Rajiv Kumar, Mori, K. K. and Dharmesh Ahir (2015). Study of ems and gamma rays in duced mutation on quality characters in green gram [*Vigna radiata* (L.) R. wilczek]. *Progressive Research—An International Journal*, 10(Special-V): 732-2735.
- Mungra, K. S.; Babariya, C. A.; Sapovadiya, M. H. and Vavdiya, P. A. (2015). Genetic correlation among grain yield and its component traits in pearl millet (*Pennisetum glaucum* (L.) R. Br.) hybrids. *AGRES—An International e-Journal*, 4(1): 25-28.
- Nikita, Panjiar; Selvadia, D.V.; Hadwani, Mayuri; Babaria, V.J. and Malam, V.R. (2015). Standardization of recipe for preparation of ready-to-serve beverage from tamarind cv. Local. *The Asian J. of Horticulture*, 1(2):251-56.
- Niyaria, Indu, R.; Bhatiya, V.J.; Saxena, Akansha (2015). Genetic variability for yield contributing traits in mung bean during summer season (*Vigna radiata* (L.) R. Wilczek) Progressive Research Intern. J. soc. for sci. dev., 10 (special-1): 548-550.
- Odedra, R. K.; Pithia, M. S.; Madaria, R. B.; Bhatiya, V. J. and Kulkarni, G. U. (2015). Comparison of different stability models for genotype x environment interaction in bread wheat. *Progressive Research*, 10(3): 219-222.
- Odedra, R. K.; Pithia, M. S.; Madaria, R. B.; Sharma, L.K. and Kulkarni, G.U. (2015). Stability analysis for yield and yield component traits in bread wheat (*Triticum aestivum* L. em. Thell.) *Progressive Res. Inter. J.*, 10(2): 116-120.
- Panjiar, Nikera; Delvadia, D.V.; Hadwani, Mayuri; Babariya, V.J. and Malam, V.R. (2015). Standardization of recipe for the preparation of ready-to-serve beverage from tamarind cv. Local. *The Asian J. of Hort.* 10(2): 251-256.
- Parmar, G.M.; Juneja, R.P. and Mungra, K.D. (2015). Management of shoofly and stem borer on pear millet crop. *Inter. J. Pl. Protec.*, 8(1):245-249.
- Parmar, G.M.; Mehta, Asha C.; Acharya, M.F. and Parmar, S.K. (2016). Impact of frontline demonstration in transform of pear millet production technology, *Inter. J. Agric. Sci.*, 8(22): 1417-18.
- Parmar, R.S.; Patel, A.S.; Sapara, G.K.; Barad, H.R.; Hadiya, A.M.; Chovatiya, V.P. and Patel N.B. (2015). Genetic evaluation of wheat (*Triticum aestivum* L) germplasm for grain yield and its components for crop improvement. *Progressive Research—An International Journal*, 10 (Special-V): 2666-2669.
- Patel, A.S.; Parmar, R.S.; Patel N.B. and Rajiv Kumar (2015). Grain yield stability of wheat genotypes under different environment in Gujarat. *Progressive Research An International*, 10 (Special-1): 510-512.
- Patel, A.V.; Vekaria, M.V. and Chaudhari, R.J. (2015). Susceptibility of Different Wheat Varieties to *Rhizopertha dominica*. *Trends in Biosciences*, 8(20), ISSN: 0974-8431, 5608-5610.
- Patel, C. K.; Bharpoda, T. M.; Zala, M. B. and Shah, K. D. (2015). Impact of plant spacing and nitrogenous fertilizer on incidence of sucking pests in Bt cotton. *Int. J. Pl. Prot.*, 8(1): 34-40.



- Patel, H. B.; Patel, U. D.; Modi, C. M.; Javia, B. B.; Bhatt, P. R. and Pandya, K. B. (2015). In-Vitro Antimicrobial Effect of *Adhatoda Vasica*, *Annona Squamosa*, *Aloe Vera*, *Butea Monosperma* and *Prosopis Juliflora*. World Journal of Pharmaceutical Research, 4(12), pp:1168-1177.
- Patel, J. B.; Patel, Hiral; Sharma, S. C. and Acharya, S. (2016). Genetics of seed related attributes in cowpea [*Vigna unguiculata* (L.) Walp.]. Legume Research –An International Journal, 39(1): 1-6.
- Patel, S. J.; Kumar, R.; Patel, A.S.; Patel, J. H.; Chaudhary, G. M.; Patel, B.K. and Parmar, V. N. (2016). Knowledge of Farm Women Regarding Dairy Husbandry in Junagadh District of Gujarat State, India. International Journal of Agriculture Sciences, 8(10): 1110-1115.
- Patel, Urvish; Varu, D. K. and Chaudhary, Jamsu (2015). Effect of pre-harvest spray of chemicals on shelf life and quality of mango cv. Kesar. The Asian J. Horti., 10(2):187-1938.
- Patel, Urvish; Varu, D. K. and Chaudhary, Jamsu (2016). Investigation of pre-harvest treatments on post-harvest quality of mango (*Mangifera indica* L.) cv. Kesar. Green Farming 7(2):455-458.
- Patoliya, B. V.; Virani, V. R.; Ghelani, M.K. and Moradiya, T.M. (2015). Screening of castor cultivars against capsule borer, *Dichocrocis puntiferalis* Guin. Trends in Bio-sci., 8(23): 6704-6706.
- Pokar, M. V.; Javia, R. M. and Bochalya, B. C. (2015). Awareness about FLD and constraints faced by farmers of demonstrated groundnut production technology. *Agric. Update*, 10(2): 149-153.
- Power A.K. and Monpara B.A. (2016). Studies on gene effects for oil and some yield attributing traits in sesame (*Sesamum Indicum* L.). Journal of Global Agriculture and Ecology, 4(4): 215-220.
- Prajapati, G.V. and Subbaiah, R. (2015). Response of Bt. Cotton productivity to conjugate stimulus of irrigation regimes and mulching. Research on Crops, 16(3): 509-514.
- Raiyani G. D.; Patel, Komal; Javia, R. M.; Bhatiya, V.J. and Ramani, V.V. (2015) Selection indices for yield improvement in bread wheat under late sown condition. *Asian J. Bio. Sci.*, 10(2): 148-152.
- Rajani, C. J.; Mehta, D.R. and Vekaria, D.M. (2015). Heterosis for seed yield and yield contributing traits in castor (*Ricinus communis* L.). *Progressive Res.*, 10(4):401-403.
- Rakholiya, K. D.; Kathiriya, J. B.; Vora, V. D.; Sutaria, G. S.; Akbari, K. N. and Kaneria, M. J. (2015). A Review: Holistic Approach for Management of Anthrax. World Journal of Pharmaceutical Research, 4(6).
- Ramani, P. S.; Vaddoria, M. A. and Patel, J. B. (2015). Heterosis for fruit yield and its component traits in brinjal (*Solanum melomgena* L.). *AGRES- An International e-Journal*, 4(3): 249-254.
- Rathod, R.R.; Mehta, D.R.; Gajera, H.P. and Delvadiya, N.A. (2015). Molecular characterization of ridge gourd (*Luffa acutangula* L.) and sponge gourd (*Luffa cylindrical* L.) genotypes through PCR based molecular markers. *International J. Agriculture, Environment and Biotechnology*, 8(3):521-530.
- S. Makhmale; Akula Venu; Sharma, L.K. and Solanki, D.R. (2015). Flowering physiology of mango-The case study. *Progressive Research—An International Journal*, 10 (Special-V): 2742-2746.
- Saini, Anurag; Patel, M. B.; Patel, J. B.; Chormule, Sagar R. and Mandel, Deepashree. (2015). Interaction effect of seed storage containers and seed treatments on seed quality in groundnut (*Arachis hypogaeae* L.) during storage. *AGRES- An International e-Journal*. 4(3): 228-234.
- Sanghani, J. M.; Golakiya, B. A.; Dhedhi, K. K. and Patel, S. V. (2015). Molecular characterization of mung bean (*Vigna radiata* L.) genotypes through RAPD, ISSR and SSR markers. *Legume Res.*, 38(4): 452-456.



- Sapovadiya, M.H.; Dobariya, K.L.; Babariya, C.A.; Vavdiya, P.A. and Mungra, K.S. (2015). Combining ability over environments for seed yield and its components in castor (*Ricinus communis* L.). Progressive Research, 10 (Special-1): 448-451.
- Savaliya, V.A.; Akbari, L.F. and Bhaliya, C.M. (2015). Antifungal activity of herbicides against *Macrophomina phaseolina* causing sesame (*Sesamum indicum* L.) root rot. Trends in Biosciences. 8(21): 5933-5936.
- Shah Siddhi, Mehta, D.R. and Patel, Rucha (2015). Correlation and path coefficient analysis in bread wheat (*Triticum aestivum* L.). Progressive Research-An International J., 10(Special-V): 2716-2719.
- Shaikh, R. R.; Acharya, M. F. and Rode, N. S. (2015). Bionomics of thrips *tabaci lindeman* on onion. J. Exp. Zool. India, 18(1): 457-459.
- Shaikh, R. R.; Acharya, M. F. and Rode, N. S. (2015). Efficacy and relative persistency of different insecticides against thrips *tabaci* l. on onion. J. Exp. Zool. India, 18(1): 473-477.
- Shakti Singh Bhati; Vanpariya, L. G.; Ashok Kumar Malav and Anurag Saini (2015). Heterosis and standard heterosis for yield and yield contributing traits in bread wheat (*Triticum aestivum* L.). Progressive Research – An International Journal. 10 (Special-1):487-492.
- Shinde, V.B.; Madale, S.N.; Ghadage, V.R.; Karetha, K.M.; Markam, Rita (2015). Studies on Economics and Microbial Contamination of Mango Pulp Stored under Different Temperature Intern. J. of Applied Res., 1(8): 270-272.
- Sondarva Jyoti; Patel, N. B. and Kumari, Sunita (2015). Influence of plant growth regulators on seed yield of ridge gourd [*Luffa acutangula* (Roxb) L.]. Progressive Research, 10(5): 2464-2467.
- Sutaria, G. S.; Vora, V. D.; Talpada, M. M.; Hirpara, D. S.; Vekariya, P. D. and Akbari, K. N. (2016). Studies on sulphur fractions in soils of Rajkot district, Gujarat. International Journal of Agricultural Science and Research, 6(1):61-68.
- Sutaria, G. S.; Vora, V. D.; Vekariya, P. D. and Akbari, K. N. (2016). Technology for rapid composting of cotton stalk. International Journal of Agril. Sci. and Res., 6(1): 211-216.
- Ukani, J. D.; Patel, J. B.; Babaria, C. A.; Bhatiya, V. J. and Ramani, P. S. (2015). Characterization of wheat varieties (*Triticum* spp.) through plant morphology. Progressive Res.-An International Journal, 10(Special 1): 558-566.
- Ukani, J. D.; Patel, J. B.; Dabhi, K. H. and Ribadia, K. H. (2015). Development of identification keys on the basis of plant morphological characters in wheat. AGRES-An International e-Journal. 4(3): 290-300.
- Vaddoria, M.A.; Patel, N.B.; Kulakarni, G.U. and Sharma, L.K. (2015). Seed yield and quality as influenced by plant growth regulators and stages of spray in major cucur bits-A Review. Progressive Research–An International Journal, 10(3): 205-214.
- Vaghadia, V. R.; Kathiria, R. K.; Vavaliya, P. N. and Savani, J. B. (2015). Performance Evaluation of Shredder for Agricultural Wastes. AGRES–An International e-Journal, 4(3): 242-248, ISSN 2277-9663.
- Vaghasia, P.M. and Bhalu, V.B (2016). Nutrient requirement for bold seeded confectionery groundnut (*Arachis hypogaea* L.) under irrigated condition. In Inter. J. Agric. Sci., 12(1): 81-84.
- Vaghasia, P.M. and Naliyadhara, M.V. (2016). Influence of pre and post emergence herbicides in castor (*Ricinus communis* L.). Res. crops, Inter. J., 17(1): 68-72.
- Valu, M.G.; Gohil, P. J.; Vekariya, N. R.; Madariya, R.B.; Mehta, D.R. and Rajani, V.V. (2015). Estimation of higher order gene interaction for oil content in cotton (*Gossypium hirsutum* L.). Progressive Research-An International J., 10(Special-V): 2790-2793.
- Valu, M.G.; Gohil, P. J.; Vekariya, N.R.; Madariya, R.B.; Mehta, D.R. and Rajani, V.V. (2015). Genetics of seed cotton yield and its component traits in cotton (*Gossypium hirsutum* L.). Progressive Research-An International J., 10 (Special-V): 2794-2798.



- Valu, M. G.; Madariya, R. B.; Khanpara, M. D.; Ribadiya K. H.; Vekaria, R. K. and Pansuriya A. G. (2015) Genetic architecture of seed cotton yield and its component traits in cotton (*Gossypium hirsutum* L.) AGRES–An Inter. J., 4(2): 171-177.
- Valu, M. G.; Madariya, R. B.; Mehta, D. R. and Khanpara, M. D. (2015). Genetic architecture of oil content in cotton (*Gossypium hirsutum* L.) *Electronic Journal of Plant Br.*, 6(3): 749-754.
- Valu, M.G.; Mehta, D.R.; Madariya, R.B. and Khanpara, M.D. (2015). Gene action for seed cotton yield and its component traits in cotton (*Gossypium hirsutum* L.). AGRES–An International e-Journal, 4(1):40-45.
- Vanpariya, L. G.; Pansuriya, A. G. and Vekariya, D. M. (2015). Heritability and genetic Advance for grain yield and its components in bread wheat (*Triticum aestivum* L.) under late sown condition. Trends in Bioscience 8(3):3447-3450.
- Vanpariya, L. G.; Pansuriya, A. G.; Vekariya, D. M. and Singh, Chandrakant (2015). Estimates of heterosis and Inbreeding depression for grain yield and its component characters in bread wheat under timely sown condition. Progressive Research – An International Journal. 10(Special-5):2736-2741.
- Vavaliya P. N. and Sarsavadia, P. N. (2015). Evaluation of Usefulness of an Exhibition of College of Agricultural Engineering and Technology, Junagadh Agricultural University, Junagadh by the Visitors. AGRES – An International e-Journal, 4(2): 151-156, ISSN: 2277-9663.
- Vavaliya, P. N. and Kathiria, R. K. (2015). Performance Evaluation of Single Row Cotton Planter. AGRES–An International e-Journal, 4(1): 79-83, ISSN: 2277-9663.
- Vavaliya, P. N. and Parmar, N. B. (2015). Development of Pulling Type Manually operated Weeder. AGRES–An International e-Journal, 4(1): 36-39, ISSN: 2277-9663.
- Vavaliya, P. N.; Sarsavadia, P. N. and Yadav, R. (2015). Students' Perception towards Agricultural Engineering Education in Junagadh Agricultural University. AGRES–An International e-Journal, 4(1): 53-64, ISSN: 2277-9663.
- Vekaria, L. C.; Parmar, K. B.; Polara, K. B. and Donga, S. J. (2015). Dynamics of manganese fractions in calcareous vertic ustochrepts under AICRP-LTFE soils. The Ecoscan 9(3&4): 821-824.
- Vekaria, L. C.; Parmar, K.B.; Ponkia, H.P. and Polara, K.B. (2015). Form of nitrogen in the soils of Saurashtra. Trends in Bioscience, 8(18):5007-5010.
- Vekariya, P. D.; Sanepara, D. P.; Limbasia, B. B.; Sharma, G. R. and Akbari, K. N. (2015). Effect of different size of broad bed and furrow on runoff and soil loss and productivity of groundnut (*Arachis hypogea* L.) under rainfed conditions. International Journal of Bio-resource and Stress Management, 6(3):316-321.
- Vivek, Pal; Shiyani, R.L. and Ardesna, N.J. (2015). Livelihood Status Index: Poverty and Inequality Assessment in Gujarat. Int. Journal of Agril. Sci., 7(14): 863-870.
- Vora, V. D.; Rakholiya, K. D.; Rupapara, K. V.; Sutaria, G. S. and Akbari, K. N. (2015). Effect of integrated nutrient management on Bt cotton and post-harvest soil fertility under dry farming agriculture. Asian Journal of Agricultural Research, 9(6): 350-356.
- Wadaskar, P. S.; Jethva, D. M.; Vigneshwaran, S. and Rode, N. S. (2015). Assessment of different artificial diets and their combinations for rearing of Trichogramma host Corcyra cephalonica (Stainton). J. Exp. Zool. India, 18(2): 769-773.



**Research Papers published in seminar/  
symposium / workshop / conference etc. at  
National level**

- Asodariya, K. B.; Vaddoria, M. A. and Jethva, A.S. (2016). Response of tomato (*Lycopersicon esculentum* Mill) to foliar application of micronutrients. National Seminar on Horticultural Diversity for Prosperity-2016, OUAT, Bhubanesware, February 10-12, 2016, pp.99.
- Bhatu, H. M.; Rank,H.D.; Patel,R.J.; Paradava, D.M.; Kelaiya,J.H and Wandre,S.S. (2015). Simulating the Crop Yield Response to Climate. National Seminar on Water Management and Climate Smart Agri., JAU, Junagadh, February 13-14, 2015, 1:252-263.
- Bhut, J. B. and Jethva, D. M. (2015). Impact of weather factor on incidence of inflorescence pests of mango. National Seminar on Water Management and Climate Smart Agri., JAU, Junagadh, February 13-14, 2015, pp: 291-296.
- Butani B. M.; Solanki, M. S. and. Polara, J.V. (2015) Effect of Soil Amendments on Different Varieties of Castor (*Ricinus communis* L.) under Coastal Salt Affected Soil.11<sup>th</sup>National Symposium of Indian Society of Coastal Agril. Res.(ISCAR), Bhubaneswar, January14-18, 2016.
- Dalsania,H.N.; Rank,H.D.; Sahu,Dezy; Patel,R.J.; Vekariya,P.B. and Dugad,S.B. (2015). Performance Evaluation of Horizontal Sand Filter of Drip Irrigation. National Seminar on Water Mgmt. and Climate Smart Agri., JAU, Junagadh, February 13-14, 2015, 3:134-147.
- Damor, P. A.; Subbaih, R.; Prajapathi, G. V.; Rank H. D. and Parmar H. V. (2015). Forecasting weekly temperature with seasonal ARIMA Model. National Seminar on Water Mgmt. and Climate Smart Agriculture, JAU, Junagadh, Feb.13-14, 2015, 2:139-147
- Das, R. N.; Yasaswi, R. N., Subbaiah, R. and Pandya S. (2015). Drought investigation using Standardized precipitation index. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, Feb.13-14, 2015, 2: 129-138
- Dhaduk, L.K., Valu, M. G.; Khanpara, M. D.; Kataria, G. K.; Vekaria, R. K. and Madaria, R. B. (2015). Genetics of seed cotton yield and its components traits in cotton (*Gossypium hirsutum* L.) National Symposium on Future Technologies: India Cotton in next Decade, Acharya Nagarjuna University, Gunture, December 17-19,2015.
- Divya, C.; Jethva, D. M. and Ramdevputra, M. V. (2015). Forecasting adult populations of gram pod borer, *Helicoverpa armigera* (Hubner) on chickpea using pheromone traps. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, pp.202-206.
- Golani, I. J.; Vaddoria, M. A.; Jivani, L. L. and Jethva, A. S. (2016). High yielding brinjal variety Gujarat Junagadh Long brinjal-4. National Seminar on Horticultural Diversity for Prosperity-2016, OUAT, Bhubanesware, February 10-12, 2016, pp. 93.
- Golani, I.J.; Vaddoria, M. A.; Jivani, L. L. and Rathod, R. K. (2016). Yield performance of sponge gourd variety GJSG-2 in Gujarat State.National Seminar on Horticultural Diversity for Prosperity - 2016, OUAT, Bhubanesware, February 10-12, 2016, pp. 37.
- Jadav, J.V.; Dhandhalya, M.G. and Swaminathan,B. (2016). An Economics Analysis of Milk Production on different farm sizes in Junagadh Districtof Gujarat. National Seminar on Contemporary Innovations for Quantum Extension in Agricultural Development, SEEG and JAU, Junagadh, March 18-19,2016, p. 199.
- Jethva, A. S.; Jivani, L. L.; Vaddoria, M. A.; Golani, I. J. and Asodariya, K. B. (2016). A high yielding okra hybrid Gujarat Junagadh Okra Hybrid-4 in Gujarat State. National Seminar on Horticultural Diversity for Prosperity-2016, OUAT, Bhubanesware, February 10-12, 2016, pp.51.
- Jethva, D. M.; Virani, V. R. and Bhut, J. B. (2015). Development of weather based forewarning modules for the management of fruit flies in mango orchard. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, pp.132-140.



- Kalasariya, R. L.; Kanara, H. G.; Acharya, M. F. and Jethva, D. M. (2015). Population dynamics of sucking pests and their correlation with weather parameters in cluster bean, *Cyamopsis tetragonaloba* L. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, pp.314-320.
- Kalsariya, B. N.; Swaminathan, B. and Rajesh Kumar (2016). Climate smart agriculture: The role and application of agricultural extension. National Seminar on Contemporary Innovations for Quantum Extension in Agricultural Development, SEEG and JAU, Junagadh, March 18 -19,2016, pp: 111-124.
- Kataria, G. K.; Valu, M.G. and Khanpara, M. D. (2015). Cotton & Climate Change: Impacts and Option to Mitigate and adaption. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015.
- Kelaiya, J.H.; Paradava,D.M.; Patel,R.J.; Parmar, H. V. ; Mashru,H.H.; Vekariya,P.B. and Rank,H.D. (2015). An Assessment of Potential Surface and Groundwater Resources of Bhadar River Basin of Gujarat State using SWAT Model. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2: 148-157.
- Kulkarni, G.U.; Donga, M.H.; Sharma, L.K. and Padhar, P.R. (2015). Effects of storage on seed geminability and seedling vigour of soybean (*Glycine max* (L.) Merrill). Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS2015), 2015. Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (M.P.), December12–13, 2015.
- Mandavia, C.K.; Kulkarni, G .U. and Sharma, L .K. (2015). Seed Priming: A tool to enhance seed germination in seed spices. ISPP West Zonal Seminar on Enhancement of crop productivity through physiology interventions, ISPP and NAU, Navsari, May 11, 2015,
- Mashru,H.H.; Vekariya,P.B.; Rank,H.D.; Kelaiya, J.H.; Paradava,D. M.; Patel,R.J. and Parmar,H.V. (2015). Domestic Rooftop Water Harvesting for Junagadh City. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14,2015, 3:227-236.
- Mungra, K. D.; Sorathiya, J. S.; Parmar, S.K. and Khanpara, M.D. (2016). Pearl Millet; A Climate smart crop. 5<sup>th</sup> National Seminar on Coarse Cereals Development-Challenges &Opportunities in the Country, CCS HAU, Hisar, March 20-21, 2016, pp. 114-119.
- Nandaniya, K. U.; Mungra, K.D. and Sorathiya, J.S. (2016). Assessment of heterosis in pearl millet fro grain yield and Fe content. 5<sup>th</sup> National Seminar on “ Coarse Cereal Devp. Challenges & Opportunities in the Country, CCS HAU, Hisar, March 20-21, 2016, pp 120-124.
- Pandya, P.A.; Rank,H.D.; Patel,R.J.; Vekariya,P.B.; Kelaiya,J.H. and Paradava,D.M. (2015). Effect of Irrigation Practices on the Quality of Cotton Yield and WUE of Summer Sesame. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 3:116-127
- Paradava,D.M.; Patel,R.J.; Parmar,H.V.; Mashru, H.H.; Vekariya,P.B.; Rank,H.D. and Kelaiya, J.H. (2015). Climate Change Assessment for Ozat Basin of Saurashtra Region of Gujarat state, India. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2:294-308.
- Parmar, G. M.; Mehta Asha C. and Khanpara, M. D. (2016).Yield enhancement through Front Line Demonstration in Pearl millet. 5<sup>th</sup> National Seminar on Coarse Cereals Devp. Challenges &Opportunities in the Country” held at CCS HAU Hisar, March 20-21, 2016, pp. 137-138
- Parmar, H. V. and Gontia, N. K. (2015). Remote Sensing derived Vegetation Indices to Assess the Crop Water Requirement in Ozat-II Canal Command. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14,2015,2:267-281.



- Parmar, H. V.; Subbaiah, R.; Prajapathi, G. V.; Damor P. A. and Kheni, B.A. (2015). Development of Land capability classification for soil and water conservation planning and management using RS and GIS. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2:253-266
- Patel, N. B.; Sondarva, Jyoti and Padhar, P.R. (2015). Seed yield of ridgegourd [*Luffa acutangula* (Roxb) L.] as influence by plant growth regulators. Global Research Initiatives for Sustainable Agri. & Allied Sci. (GRISAAS-2015), December 12–13, 2015, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (M.P.).
- Patel, R. J.; Parmar, H. V.; Mashru, H. H.; Vekariya, P. B.; Rank, H. D.; Kelaiya, J. H. and Paradava, D. M. (2015). Prioritization of Watershed Development by Estimating Soil Loss using Remote Sensing and GIS. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2:320-336.
- Patel, R. J.; Rank, H. D.; Parmar, H. V. and Vekariya, P. B. (2015). Role of Remote Sensing in Canal Irrigation Water Management. National Seminar on participatory irri. Mgmt., The Institution of Engineers, Ahmedabad, April 17-18, 2015, pp. 16.
- Prajapathi, G.V. and Subbaiah, R. (2015). Coordinated influence of irrigation systems, regimes and mulching on BT cotton. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2: 201-209
- Rank, H.D.; Kelaiya, J.H.; Paradava, D.M.; Patel, R.J.; Parmar, H.V.; Mashru, H.H. and Vekariya, P.B. (2015). Modelling and Simulating the Climate Change Impact on Water Resources System in Ozat Bazin using SWAT. National Seminar on Water Mgmt. and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2:70-83.
- Rank, H. D.; Patel, R. J.; Vekariya, P. B. and Parmar H. V. (2015). Irrigation Water Management for Cotton Crop. Souvenir of all India National Seminar on participatory irri. management, The Institution of Engg., Ahmedabad, April 17-18, 2015, pp. 10.
- Sardhara, V. K.; Subbaih, R.; Prajapathi, G. V. and Rank H. D. (2015). Differential water production function for wheat. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2:295-303.
- Satasiya, R.M. and Subbaiah, R. (2015). Cropping pattern optimization for surface and drip irrigated command area. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2: 242-252.
- Savani, F.K.; Hemani, J.M.; Mashru, H.H.; Patel, K.C. and Prajapati G.V. (2015). Hydraulic Performance of Drip Emitters under Field Condition. National Seminar on Water Mgmt. and Climate Smart Agri., JAU, Junagadh, February 13-14, 2015, 3:174-182.
- Sharma, L.K.; Kulkarni, G.U.; Meta, H.R. and Padhar, P.R. (2015). Effect of date of sowing and pre-treatment of seeds with GA3 on seed germination and seedling vigour of cumin (*Cuminum cyminum* L.). Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2015), Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (M.P.), December 12–13, 2015.
- Solanki, M. S. and Babaria, N.B. (2015). Evaluation of efficiency of most sustainable fertilizer use practices for enhancing productivity and sustainability under groundnut-wheat cropping systems of Saurashtra region (Gujarat). National Seminar on Organic Ameliorates for soil resilience and environmental securities, Gwalior, August 19-21, 2015.
- Subbaiah, R. (2015): Climate smart agricultural water management for food security. National Seminar on Climate change and Sustainable Water resources Management, NIT, Warangal, Sept. 3-5, 2015.



- Subbaiah, R.; Das, R. N. and Yasaswi, R. N. (2015). Condensed disaggregation procedure for simulating monthly rainfall. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2: 45-58.
- Vadar, H.R.; Rank, H.D.; Gajera, S.V.; Vaghela, G.J.; Parmar, H.V.; Mashru, H.H. and Damor, P.A. (2015). Effect of Nozzle Size and Operating Pressure on the Performance of Raingun Irrigation System. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015.
- Vekariya, P.B.; Rank, H.D.; Kelaiya, J.H.; Paradava, D.M.; Patel, R.J.; Parmar, H.V. and Mashru, H.H. (2015). Groundwater Recharge Potential of Harvested Roof Water in Junagadh Region. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2: 282-293
- Yasaswi, R. N.; Das, R. N. and Subbaiah, R. (2015). Application of ANN to rainfall disaggregation. National Seminar on Water Management and Climate Smart Agriculture, JAU, Junagadh, February 13-14, 2015, 2: 119-128.
- Research Papers published in seminar / symposium / workshop / conference etc. at International level**
- Bhalani, R.B.; Butani, A.M.; Makawana, A. N.; Vaghasiya, Mital and Chotaliya, B.M. (2015). Effect of osmotic dehydration and preservatives on qualitative characteristics of mango (*Mangifera indica* L.) slices cv. Kesar. Third international symposium on underutilized plant species, Krishi Vigyan Kendra, TAU, Madurai, August 5-8, 2015.
- Jethva, D. M.; Raghvani, K. L.; Balas, T. K. and Chandravadia, T. K. (2016). Storability of HaNPV and SINPV under refrigerator condition. International Conference on Recent advances in Agriculture, Aquaculture, Food technology, Environmental Dynamics and Climate change, Krishi Sanskriti, January 17, 2016, pp. 86-88.
- Jethva, D. M.; Raghvani, K. L.; Chandravadia, T. K. and Jadav, D. V. (2016). Effect of storage of predatory lady bird beetle, *Coccinella septempunctata* (Linnaeus) under refrigerator condition. International Conference on Recent advances in Agriculture, Aquaculture, Food technology, Environmental Dynamics and Climate change, Krishi Sanskriti, January 17, 2016, pp. 41-42.
- Jethva, D. M.; Raghvani, K. L.; Jadav, D. V. and Balas, T. K. (2016). Field efficacy of newer insecticides against whitefly, *Bemisia tabaci* (Gennadius) in brinjal. International Conference on Recent advances in Agri., Aquaculture, Food Technology, Environmental Dynamics and Climate change, Krishi Sanskriti, January 17, 2016, pp. 30-32.
- Karetha, K.M.; Baldaniya, B.D.; Chotroda, R.L. and Parmar, A.R. (2015). Effect of coco peat and sphagnum moss on air layering in guava (*Psidium guajava* L.) cv. L-49 (Sardar). 3rd International Symposium on "underutilized plant species", Krishi Vigyan Kendra, TAU, Madurai, August 5-8, 2015.
- Prajapati, G.V. and Subbaiah, R. (2015). Crop coefficient for drip irrigated mulched cotton under variable irrigation regimes. 20<sup>th</sup> International Conference on Hydraulics, Water Resources and River Engineering, IIT Roorkee, Roorkee, December 17-19, 2015.
- Vaghela, T. D. and Vekariya, P. D. (2015). Weed management in summer cluster bean. (In:) 25<sup>th</sup> Asian-Pacific Weed Science Society Conference on Weed Science for Sustainability Agriculture, Environment and Biodiversity, Hyderabad, October 13-16, 2015, 3:251.
- Books published**
- Asodariya, K. B. and Vaddoria, M. A. (2015). Crop Production Technologies in Seed Spices. Chapter published in "Seed Quality Production, Disease and Quarantine", Eds. Prof. (Dr.) P. C. Trivedi, Published by: Aavishkar Publishers Distributors, Jaipur (Rajasthan), Pp: 76-98.





- Kavathiya, Y. A. and Vaddoria, M. A. (2015). Integrated Disease Management for Vegetable Seed Production. Chapter published in "Seed Quality Production, Disease and Quarantine", Eds. Prof. (Dr.) P. C. Trivedi, Published by: Aavishkar Publishers Distributors, Jaipur (Rajasthan), Pp: 99-119.
- Patel, J. B. and Vaddoria, M. A. (2015). Organic Seed Production: A Review with reference to Vegetables. Chapter published in "Seed Quality Production, Disease and Quarantine", Eds. Prof. (Dr.) P. C. Trivedi, Published by: Aavishkar Publishers Distributors, Jaipur (Rajasthan), Pp: 1-41.
- Subbaiah, R. and Prajapati, G. V. (2015). Water Management and Climate Smart Agriculture- Vulnerability of Agriculture to Climate Aberrations, Vol.-1. Gyan Publishing House, New Delhi, ISBN No. 978-81-212-1315-8.
- Subbaiah, R. and Prajapati, G. V. (2015). Water Management and Climate Smart Agriculture- Climate Change Impact on Water Cycle, Vol.-2. Gyan Publishing House, New Delhi, ISBN No. 978-81-212-1316-5.
- Subbaiah, R. and Prajapati, G. V. (2015). Water Management and Climate Smart Agriculture- Adaption of Climate Resilient Water Management and Agriculture, Vol.-3. Gyan Publishing House, New Delhi, ISBN No. 978-81-212-1317-2.
- Vadalia, J. V.; Patel, P. B.; Dodia, V. D. and Vineet Kumar (2016). Small Animal Surgery. Publisher - Director of Extension and Education, JAU Junagadh.
- Vaddoria, M. A. and Golani, I. J. (2015). Scientific Seed Production in Onion. Chapter published in "Seed Quality Production, Disease and Quarantine", Eds. Prof. (Dr.) P. C. Trivedi, Published by: Aavishkar Publishers Distributors, Jaipur (Rajasthan), Pp: 42-53.
- Vaddoria, M. A.; Mehta, D. R. and Patel, J. B. (2015). Flowering, Fruiting, Yield and Seed Quality as Influenced by PGRs and Stages of Spray: An Overview in Major Cucurbits. Chapter published in "Seed Quality Production, Disease and Quarantine", Eds. Prof. (Dr.) P. C. Trivedi Published by: Aavishkar Publishers Distributors, Jaipur (Rajasthan), Pp: 54-75.

#### Popular articles published

- Dhandhalya, M.G. (2015). Pakna Bhavne Teko Apta” Tekanu” Arthakaran Jano. Agro-Sandesh Weekly, June-2015, pp.15.
- Dhedhi, K. K. (2015). Chana Pakma Pramanit Beej Utpadanni Karypadhdhati. Krushijivan, October -2015, (3): 16-20.
- Dhedhi, K. K.; Dhobi, C. B.; Sorathiya, J. S. and Khanpara, M. D. (2015). Ghauni Sudharel Jatona Pramanit Beej Utpadanni Karypadhdhati. Krushigovidhya, November-2015, 7: 8-13.
- Dhedhi, K. K.; Sorathiya, J. S. and Khanpara M. D. (2016). Unalu Til Pakni Beej Utpadan Technology Jano. Krushigovidhya, February-2016, 10: 7-12.
- Dhedhi, K. K., Dhobi, C. B. and Sorathiya, J. S. (2015). Ardh Shiyalu Talni Vaigyanik Kheti Padhdhati Apnavo. Krushigovidhya, August-2015, 4: 11-13.
- Dhedhi, K. K.; Dhobi, C. B. and Sorathiya, J. S. (2015). Jeeru Pakma Gunvattayukt Beej Utpadan Melvo. Krushigovidhya, October-2015, 6: 5-9.
- Dhedhi, K. K.; Mungra, K. D. and Padhar P. R. (2016). Unalama Sankar Bajarinu Gunvattayukt Beej Utpadan Melvo. Krushigovidhya, February-2016 (10): 20-25.
- Dhedhi K. K., Sorathiya, J. S. and Khanpara, M. D. (2016). Unalu Bajrini Jato ane Teni Kheti Padhdhati. Krushijivan, February-2016, 7: 5-7.