

Agricultural Engg Faculty: Ph.D. Theses (2005 to 2022)

Sr. No.	Faculty	Discipline	Name of Student and Reg. No.	Name of Major Guide	Title of Ph.D. thesis	Year of degree
1	Agricultural Engineering	Soil & Water Engineering	Rank H. D.	Dr. M. Mallik	Effect of irrigation systems and moisture regimes on physiological water response function of cotton.	2005
2	Agricultural Engineering	Agricultural Process & Food Engg.	Antala D. K.	Dr. A. K. Varshney	Packging and storage studies on fresh guava fruit and osmotic-air dehydrated powder of guava (<i>Psidium guajava</i> L.)	2010
3	Agricultural Engineering	Farm Machinery & Power	Mehta T. D.	Dr. R. Yadav	Development and performance evaluation of tractor operated onion harvester	2011
4	Agricultural Engineering	Farm Machinery & Power	Kathiria R. K.	Prof. J. B. Savani	Development and evaluation of knapsack power driven cotton picker	2011
5	Agricultural Engineering	Agricultural Process & Food Engg	Akbari S. H.	Dr. A. K. Varshney	Standardization of drying and extraction techniques for production of lycopene from tomato processing waste (Pomace)	2011
6	Agricultural Engineering	Agricultural Process & Food Engg	Dhamsaniya N. K.	Dr. A. K. Varshney	Development and storage of whey based banana beverage	2012
7	Agricultural Engineering	Soil & Water Engineering	Satasiya R. M.	Dr. R. Subbaiah	Uben command area planning for efficient water management	2012
8	Agricultural Engineering	Agricultural Process & Food Engg	Chandegara V. K.	Dr. A. K. Varshney	Design and development of gel expulsion machine for aloe vera leaves	2012
9	Agricultural Engineering	Agricultural Process & Food Engg	Cholera S. P.	Dr. N. C. Patel	Studies on osmo- freeze drying of sapota (<i>Achras sapota</i> L.)	2012
10	Agricultural Engineering	Agricultural Process & Food Engg	Dabhi M. N.	Dr. N. C. Patel	Design and development of onion grader	2012
11	Agricultural Engineering	Agricultural Process & Food Engg	Sangani V. P.	Dr. N. C. Patel	Enzymatic pre treatments on pigeon pea for better recovery and quality of dhal	2012
12	Agricultural Engineering	Soil & Water Engineering	Prajapati G. V.	Dr. R. Subbaiah	Response of Bt. Cotton to irrigation scheduling and mulching	2015
13	Agricultural Engineering	Processing & Food Engg.	Davara P. R.	Dr. A. K. Varshney	Optimization of processing parameters for clarification of prickly pear (<i>Opuntia elatior</i> Mill.) juice and storage	2016
14	Agricultural Engineering	Soil & Water Engineering	Patel R. J.	Dr. H. D. Rank	Drip irrigation scheduling of wheat (<i>Triticum aestivum</i> L.) using canopy temperature	2016

15	Agricultural Engineering	Soil & Water Engineering	Vadar H. R.	Dr. R. Subbaiah	Evaluation of subsurface drip irrigation system in summer okra (<i>Abelmoschus esculentus</i> L.Moench.)	2016
16	Agricultural Engineering	Soil & Water Engineering	Parmar H. V.	Dr. N. K. Gontia	Water management planning in Ozat-II canal command using remote sensing and GIS	2016
17	Agricultural Engineering	Soil & Water Engineering	Wandre S. S.	Dr. H. D. Rank	Simulating the hydrologic response to climate change using SWAT model	2016
18	Agricultural Engineering	Farm Machinery & Power Engineering	Saumya Shukla	Dr. R. A. Gupta	Design, development and performance evaluation of groundnut pod collector	2018
19	Agricultural Engineering	Farm Machinery & Power Engineering	Khole Priyanka Rajkumar	Dr. K. K. Jain	Development and performance evaluation of mini tractor operated garlic harvester	2018
20	Agricultural Engineering	Renewable Energy Engineering	Joshi Viral P.	Dr. P. M. Chauhan	Development of field scale microalgae cultivation system for biofuel production	2018
21	Agricultural Engineering	Soil & Water Engineering	Dwivedi Dhaval K.	Dr. G. R. Sharma	Study of rainfall predictive models for Junagadh	2018
22	Agricultural Engineering	Soil & Water Engineering	Patel Kamlesh	Dr. N. K. Gontia	Water balance modeling using remote sensing and gis in Gir forest	2019
23	Agricultural Engineering	Soil & Water Engineering	Kelaiya Jainish	Dr. H. D. Rank	Morphometric and hydrologic analysis of bhadar basin of Gujarat using remote sensing & gis techniques	2019
24	Agricultural Engineering	Farm Machinery & Power Engineering	R.G.Jakasania	Dr. R. Yadav	Development of tractor operated automated inter and untra row weeder	2019
25	Agricultural Engineering	Farm Machinery & Power Engineering	Gajjar Punil Prabhubhai	Dr. R. Yadav	Development & performance evaluation of a tractor mounted precision planter for onion	2019
26	Agricultural Engineering	Processing & Food Engineering	Gojiya D. K.	Prof. D. M. Vyash	Studies on effect of gamma irradiation on peanut (<i>Arachis hypogaea</i> L.) kernels quality and storability	2020
27	Agricultural Engineering	Processing & food engineering	Khodifad Bhargav	Dr. N. K. Dhamsaniya	Development of continuous microwave dryer for leafy vegetable	2020
28	Agricultural Engineering	Soil & Water Engineering	Deepak Kumar	Dr. H. D. Rank	Development of automatic closed canopy chamber for evapotranspiration measurement	2021
29	Agricultural Engineering	Processing & Food Engineering	Hirpara Neha Jayantilal	Dr. M. N. Dabhi	Development of starch based biodegradable plastic	2021
30	Agricultural Engineering	Renewable Energy Engineering	Varu Jayaben Devshibhai	Dr. P. M. Chauhan	Energy audit for cotton, groundnut and wheat farming in Saurashtra region of Gujarat	2021
31	Agricultural Engineering	Farm Machinery & Power Engineering	Makwana Ajay Dilipkumar	Dr. P. Mohnot	Development of remote operated sprayer for field crop	2022

