

Ph.D Thesis

Sr. No.	Title of Thesis	Discipline	Name of Student & Registration Number	Year of Passing Submission	Name of Guide	Degree for which it was submitted
Soil and Water Engineering						
1	Effect of irrigation systems and moisture regimes on physiological water response function of cotton.	Soil and Water Engineering	Rank H.D. 04-04850-2001	30-01-2006	Dr. M Mallik	Ph.D. (Agril. Engg.) S.W.E.
2	Uben Command Area planning for Efficient water management	Soil and Water Engineering	Satasiya R.M. J4-00159-2005	24-05-2012	Dr. R. Subbaiah	Ph.D. (Agril. Engg.) S.W.E.
3	Response of BT. Cotton to Irrigation Scheduling and Mulching	Soil and Water Engineering	Prajapati Girishkumar Vinodkumar J4-00968-2011	30-09-2015	Dr. R. Subbaiah	Ph.D. (Agril. Engg.) S.W.E.
4	Drip Irrigation Scheduling of Wheat (<i>Triticum aestivum</i> L.) Using Canopy Temperature	Soil and Water Engineering	Patel Rajnikumar Jadavbhai J4-01013-2012	06-09-2016	Dr. H.D. Rank	Ph.D. (Agril. Engg.) S.W.E.
5	Water Management Planning in Ozat-II Canal Command Using Remote Sensing and GIS	Soil and Water Engineering	Parmar Hiteshkumar Virjibhai J4-01013-2012	17-09-2016	Dr. N.K. Gontia	Ph.D. (Agril. Engg.) S.W.E.
6	Evaluation of Subsurface Drip Irrigation System in Summer Okra (<i>Abelmoschus esculentus</i> L. Moench.)	Soil and Water Engineering	Vadar Hardas Ramde J4-00943-2011	19-09-2016	Dr. R. Subbaiah	Ph.D. (Agril. Engg.) S.W.E.

7	Simulating the Hydrologic Response to Climate Change Using SWAT Model	Soil and Water Engineering	Ms. Wandre Satika Santu J4-01256-2013	22-11-2016	Dr. H.D. Rank	Ph.D. (Agril. Engg.) S.W.E.
8	Hydrological Modelling of Karnal Watershed of Bhadar Basin Using Ann and Swat	Soil and Water Engineering	Maheta Hiten Yagnesh J4-01011-2012	30-10-2017	Dr. H.D. Rank	Ph.D. (Agril. Engg.) S.W.E.
9	Study of Rainfall Predictive Models for Junagadh	Soil and Water Engineering	Dwivedi Dhaval Kirankumar J4-01539-2014	04-12-2018	Dr. G.R. Sharma	Ph.D. (Agril. Engg.) S.W.E.
10	Water Balance Modeling Using Remote Sensing and GIS in Gir Forest	Soil and Water Engineering	Patel Kamleshkumar Chaturbhai J4-00942-2011	22-02-2019	Dr. N.K. Gontia	Ph.D. (Agril. Engg.) S.W.E.
11	Morphometric and Hydrologic Analysis of Bhadar Basin of Gujarat Using Remote Sensing & GIS Techniques	Soil and Water Engineering	Kelaiya Jainish HimanshubhaiJ4-01541-2014	12-06-2019	Dr. H.D. Rank	Ph.D. (Agril. Engg.)S.W.E.
12	Development of Automatic Closed CanopyChamber for Evapotranspiration Measurement	Soil and Water Engineering	Deepak Kumar 1050217001	14-06-2021	Dr. H.D. Rank	Ph.D. (Agril. Engg.) S.W.E.
13	Estimation of Water Harvesting and Groundwater Recharge Potential of Dhatarwadi River Basin Using Remote Sensing and GIS	Soil and Water Engineering	Ms. Jayswal Priti Suryanathprasad J4-01544-2014	24-08-2021	Dr. N.K. Gontia	Ph.D. (Agril. Engg.) S.W.E.

14	Simulating the Water Footprint of Sweet Corn (<i>Zea mays</i> L.) Crop Response to Irrigation Water Management Strategies Using Aqua crop Model	Soil and Water Engineering	Rank Prasang Harji 1050219009	02-07-2022	Dr. R.M. Satasiya	Ph.D. (Agril. Engg.) S.W.E.
15	Broccoli Crop Yield Response to Deficit Irrigation Practices in Soilless Media under Protected Cultivation	Soil and Water Engineering	Sojitra Manojkumar Arvindhbai 1050218005	07-12-2022	Dr. R.M. Satasiya	Ph.D. (Agril. Engg.) S.W.E.
16	Development of Drought Forecasting Indices and Crop Yield Modeling Using Remote Sensing and GIS	Soil and Water Engineering	Pandya Parthsarathi Ashokkumar 1050217005	05-01-2023	Dr. N.K. Gontia	Ph.D. (Agril. Engg.) S.W.E.
17	Spatiotemporal Analysis of Soil Salinity and Soil Moisture Modelling Using Rs and GIS for Coastal Region of Devbhumi Dwarka	Soil and Water Engineering	Gojiya Kashyapkumar Maldebhai 1050219005	01-11-2023	Dr. H.D. Rank	Ph.D. (Agril. Engg.) S.W.E.
18	Soil Moisture Modelling and Water Management in Bhadar Canal Irrigation Command Using Remote Sensing	Soil and Water Engineering	Vithlani Nipa Sunilbhai 1050219013	26-03-2024	Dr. H.V. Parmar	Ph.D. (Agril. Engg.) S.W.E.
19	Simulating the Hydrological Behaviour of Sihan River Basin Under Various Climate Change Scenarios	Soil and Water Engineering	Hirapara Paraskumar Subhashbhai 1050221003	26-06-2024	Dr. H.D. Rank	Ph.D. (Agril. Engg.) S.W.E.

20	Identification of Potential Groundwater Recharge Zones for Gujarat State	Soil and Water Engineering	Baria Sonalben Vechatbhai, 1050220001	30-10-2024	Dr. H.D. Rank	Ph.D. (Agril. Engg.) S.W.E.
21	Assessment of Water Quality Status in the <i>Bhadar</i> River Basin Using Remote Sensing & GIS	Soil and Water Conservation Engineering	Dhiraj Kumar 1050222007	15-11-2025	Dr. G.V. Prajapati	Ph.D. (Agril. Engg.) S.W.C.E.
22	An Assessment of Climate Change Impact on Reference Evapotranspiration and Rainfall for Gujarat	Soil and Water Conservation Engineering	Ananya Mishra 1050222006	13-12-2025	Dr. H.D. Rank	Ph.D. (Agril. Engg.) S.W.C.E.
23	Modeling of Reference Evapotranspiration using Machine Learning Techniques	Soil and Water Engineering	Damor Piyushkumar Adesinh 1050220004	16-12-2025	Dr. G.V. Prajapati	Ph.D. (Agril. Engg.) S.W..E.