**Master and Doctoral Thesis**

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| **Sr. No.** | **Title of the study** | **Published** **Year** | **Degree** | **Name of Major Guide**  |
| 1 | Genetic analysis of qualitative and quantitative characters in American cotton (G. hirsutum L.) | 2011 | Ph. D. in Genetics and Plant Breeding | Dr. B. D. Jadhav |
| 2 | Genetic Analysis for morphological and fibre quality traits in American cotton | 2013 | Ph.D. in Genetics and Plant Breeding | Dr. M. R. Naik |
| 3 | Physiological basis of Heterosis in inter and intra specific cotton hybrids (Gossypium spp.) | 2013 | Ph.D. inCrop Physiology | Dr. V. Kumar |

| **Sr. No.** | **Title of the study** | **Published** **Year** | **Degree** | **Name of Major Guide**  |
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| 1 | Physiological manipulation of Bt cotton morphoframe by using ethylene | 2009 | M.Sc. Agri. in Botany | Dr. V. Kumar |
| 2 | Physiological analysis of yield in cotton under irrigated and water stress conditon | 2011 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. V. Kumar |
| 3 | Investigation on cotton Mealybug, Phenacoccus solenopsis TINSLEY on Bt cotton under South Gujarat condition | 2011 | M.Sc. Agri. in Entomology | Dr. H. R. Desai |
| 4 | Genetic study in Gossypium hirsutum L. cotton | 2011 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. M. R. Naik |
| 5 | Effect of spacing and nitrogen levels on growth, yield and quality of Bt cotton (Gossypium hirsutum L.) under South Gujarat condition | 2013 | M.Sc. Agri. in Agronomy | Dr. V. P. Usdadia |
| 6 | Effect of different level of split application and methods of application of nitrogen on growth, yield and quality of Bt cotton (Gossypium hirsutum L.) under South Gujarat condition | 2014 | M.Sc. Agri. in Agronomy | Dr. V. P. Usdadia |
| 7 | Impact of agronomic practices on incidence of different insect pests and their management in high density planting of cotton | 2014 | M.Sc. (Agri.) in Entomology | Dr. H. R. Desai |
| 8 | Feeding potential of Chrysoperla zastrowi sillemi (Esben-Petersor) on aphid and mealybug and their relative susceptibility to pesticides used in Bt cotton | 2015 | M.Sc. (Agri.) in Entomology | Dr. G. R. Bhanderi |
| 9 | Incidence of bollworms on Bt and Non Bt cotton hybrid under South Gujarat condition 2016 | 2016 | M.Sc. Agri. in Entomology | Dr. H. R. Desai |
| 10 | Genetic diversiry analysis for seed cotton yield and fiber quality in cotton (Gossypium hirsutum L.) | 2017 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. G.O.Faldu |
| 11 | Morphological and Molecular Variation in Population of Pink bollworm in South Gujarat | 2017 | M.Sc. (Agri.) in Entomology | Dr. H. R. Desai |
| 12 | Genetic analysis of GMS based hybrids in cotton (Gossypium hirsutum L.). | 2018 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. D. H. Patel |
| 13 | Genetic Architecture in Cotton (Gossypium hirsutum L.). | 2018 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. D. H. Patel |
| 14 | Efficacy of plant derived oils/extracts on sucking pests of Bt cotton | 2018 | M.Sc. Agri. in Entomology | Dr. H. R. Desai |
| 15 | Population dynamics and evaluation of insecticides against cotton thrips | 2018 | M.Sc. Agri. in Entomology | Dr. R. D. Patel |
| 16 | Characterization and Antagonistic Potentiality of Purpureocillium spp. | 2018 | M.Sc. (Agri.) in Pathology | Dr. P. B. Sandipan |
| 17 | Investigation on cotton wilt caused by Fusarium oxysporum f. sp. vasinfectum (Akt.) W. C. Snyder & H. N. Hansen | 2018 | M.Sc. Agri. in Pathology | Dr. P. B. Sandipan |
| 18 | Effect of potash application on incidence of bollworms in Bt cotton hybrids | 2019 | M.Sc. Agri. in Entomology | Dr. H. R. Desai |
| 19 | Effect of potash application on incidence of Bollworm in Cotton | 2020 | M.Sc. Agri. in Entomology | Dr. H. R. Desai |
| 20 | Resistance to insecticides in different field population of cotton leafhopper, Amrasca biguttula biguttula Ishida (Hemiptera: Cicadellidae) in Bharuch district, Gujarat | 2020 | M.Sc. (Agri.) in Entomology | Dr. H. R. Desai |
| 21 | Resistance to insecticides in different field population of cotton aphid, Aphis gossypii Glover (Hemiptera: Aphididae) in Bharuch district, Gujarat | 2020 | M.Sc. (Agri.) in Biochemistry | Dr. H. R. Ramani |
| 22 | Physio-biochemical and Molecular characterization of cotton Genotypes (G.herbaceum L.) for salinity | 2020 | M.Sc. Agri. in Plant Molecular Biology and Biotechnology | Dr. Rajkumar B. K. |
| 23 | Morphological and Molecular Variability in Cotton (Gossypium hirsutum L.) | 2020 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. D. H. Patel |
| 24 | Heterosis And Combining Ability Studies In Desi Cotton. (G. herbaceum L.) | 2020 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. K. V. Vadodariya |
| 25 | Genetic Analysis of Cms-R Based Hybrids In Sorghum “[Sorghum bicolor (L.) Moench]” | 2020 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. G. O. Faldu |
| 26 | Genetic analysis of morphological, biochemical and quality traits in G. hirsutum L. cotton | 2020 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. G. O. Faldu |
| 27 | Genetic Architecture in Upland Cotton (Gossypium hirsutum L.) | 2020 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. M. C. Patel |
| 28 | “Effect of different levels and sources of nitrogen in wheat (Triticum aestivum L.) under coastal salt affected soil” | 2020 | M.Sc. Agri. in Agronomy | Dr. M. M. Patel |
| 29 | Effect of weed and nutrient management on summer pearl millet (Pennisetum glaucum) under South Gujarat condition | 2020 | M.Sc. Agri. in Agronomy | Dr. M. M. Patel |
| 30 | Evaluation of resistance to insecticides in field popupalation of cotton Thrips. Thrips tabaci Lindeman | 2021 | M.Sc. (Agri.) in Entomology | Dr. H. R. Desai |
| 31 | Isolation and Molecular characterization of cellulose degrading bacteria | 2021 | M.Sc. Agri. in Plant Molecular Biology and Biotechnology | Dr. Rajukumar B. K. |
| 32 | Evaluation of Recombinant inbred lines for fibre quality parameters and morphological characters in cotton (*Gossypium* *arboreum* L.) | 2021 | M.Sc. Agri. in Genetics and Plant Breeding | Dr. D. H. Patel  |