M.Sc. (Agri.) Genetics and Plant Breeding, Theses Submitted (2020 to 2025)

Sr. No.	Title of the thesis	Name of the student	Name of Major Guide
		2020	
1.	Comparison of mating designs for estimation of heterosis, combining ability and gene action in okra (*Abelmoschus esculantus* L.)	Javiya Urvisha	Dr. D. R. Mehta
2.	Generation mean analysis for fruit yield and its components in Bottle guard (Lagenaria siceraria)	Odedara Geeta N.	Dr. J. B. Patel
3.	L x T analysis in Sesame (*Sesame indicum* L.)	Oza Hely N.	Dr. M. A. Vaddoria
4.	Spectrum of variation, selection crietria and construction of selection indices in garlic (*Allium sativum*)	Maru Denisha R.	Dr. Lata J. Raval
5.	Heterobeltiosis and combining ability for fruit yield and its component in okra (*Abelmoschus esculantus* L.)	Patel Bansari	Dr. J. H. Vachhani
6.	Genetic variability, character association and path coefficient analysis in F3 generation of Groundnut (*Arachis hypogaea* L.).	Godhani Pooja	Dr. L. L. Jivani
7.	Genetic Architecture for grain yield and its component traits in Bread Wheat (*Triticum aestivum* L.)	Monica Oinum	Dr. D. R. Mehta
8.	Assessment of variation, selection criteria and genetic diversity in bread wheat	Mangroliya Urvashi C.	Dr. M. H. Sapovadiya
9.	Genetic variability, selection indices and genetic diversity analysis in bread wheat	Patel Dipika	Dr. G. U. kulkarni
10.	Generation mean analysis for grain yield and its component characters in bread wheat	Busa Darshika	Dr. A. G. Pansuriya
11.	Genetic variability and candidate gene analysis for drought tolerance in moth bean	Vala Jaydip P.	Dr. R. S. Tomar
12.	Genetic architecture of grain yield and its attributing traits in pearl millet	Nayee Sagar J.	Dr. K. K. Dhedhi
13.	Heterosis and combining ability for seed yield and its components in black sesame	Pateliya Rahul	Dr. V. N. Gohil
14.	Genetic variability, correlation and path analysis for bulb yield and its contributing characters in rabi onion.	Chavda Kanku	Dr. A. S. Jethwa
15.	Genetic architecture of fruit yield and its component traits in sponge gourd	Pansuriya Dhrupal	Dr. J. J. Savaliya
16.	Genetic architecture for seed yield and its components in sesame	Ramoliya Chirag	Dr. V. R. Akabari
17.	Genetic variability and diversity, selection criteria and selection indices in soybean	Bhuva Raj	Dr. C. A. Babariya

18.	Genetic variability, correlation coefficient and genetic divergence in f3 generation of groundnut	Vadher Pratik	Dr. V. H. Kachhadia
19.	Genetic variation, correlation, path coefficient and D^2 analysis in American cotton	Gauswami Jyoti	Dr. M. G. Valu
20.	Variability, character association and diversity analysis in desi cotton	Bandaru Mahesh	Dr. M. G. Valu
21.	Diallel analysis in pearl millet for grain yield and micro-nutrients fe and zn.	Patel Pratik	Dr. K. D. Mungra
22.	Genetic variability, association analysis and path coefficient analysis in grain sorghum.	Chavda Divyesh H.	Dr. M. M. Talpada
	2021		
23.	Estimation of genetic variability induced through combination of gamma rays and EMS mutagens in M_3 generation of cowpea.	Burugu Chandreshekhar	Dr. B. A. Monpara
24.	Studies on genetic variability and stability in relation to high temperature tolerance in chickpea.	Thesiya Foramben A.	Dr. Lata J. Raval
25.	Univariate and multivariate analysis in castor.	Gadhesariya Bhavdip S.	Dr. R. B. Madariya
26.	Univariate and multivariate analysis in black sesame.	Sorathiya Harshil P.	Dr. C. A. Babariya
27.	Spectrum of variation, selection criteria and genetic diversity in soybean.	Rajani Raj H.	Dr. M. H. Sapovadiya
28.	Genetic variability, selection indices, correlation and path coefficient analysis in F_3 generation of okra.	Satapara Vishal V.	Dr. G. U. Kulkarni
29.	Univariate and multivariate analysis in Indian mustard.	Mavani Sunny V.	Dr. R. B. Madariya
30.	Genetic architecture of grain yield and its attributing traits in bread wheat.	Bhagyashree Acharya	Dr. G. U. Kulkarni
31.	Estimation of gene effects for seed yield and its component traits in sesame.	Bharai Prashant P.	Dr. L. K. Sharma
32.	Genetic variability, correlation and path analysis in pigeon pea.	Parmar Manshiben	Dr. B. A. Monpara
33.	Genetic variability, correlation, path coefficient analysis and genetic diversity in Spanish Groundnut.	Bhanoth Nagaraju	Dr. V. H. Kachhadiya
34.	Genetic variability, association studies and selection indices in desi chickpea.	Kruapati Ujwala	Dr. L. K. Sharma
35.	Spectrum of genetic variation, association and diversity analysis in bunch groundnut.	Modhavadiya Arbham	Dr. S. M. Makwana
36.	Heterosis and combining ability for grain yield and its attributing traits in bread wheat.	Hilay Dudhat	Dr. A. G. Pansuriya
37.	Hybrid vigour and combining ability analysis using male sterile lines in pearl millet.	Depani Zeelkumar V.	Dr. K. D. Mungra

38.	Heterosis, combining ability and gene action in cotton.	Kanasagra Jay R.	Dr. M. G. Valu
39.	Genetic analysis for quantitative traits in F_2 populations in okra.	Umretiya Nevil K.	Dr. L. L. Jivani
40.	Genetic variability, correlation, selection indices and path analysis for fruit yield and its contributing characters in okra.	Jadav Komal J.	Dr. A. S. Jethwa
41.	Genetic variability, correlation, path analysis and genetic divergence in sorghum.	Gavli Malkesh S.	Dr. H. V. Solanki
42.	Character association, path coefficient analysis and genetic divergence in blackgram during summer season.	Parmar Jaydeep G.	Dr. R. M. Javia
43.	Univariate and multivariate analysis for morpho-physiological characteristics in durum wheat.	Usdad Jenish S.	Dr. S. B. Chaudhari
44.	Univariate and multivariate analysis for morpho-physiological characteristics in bread wheat.	Sarilla Jeannie	Dr. Rajiv Kumar
45.	Univariate and multivariate analysis with selection criteria in soybean.	Rupapara Sajan D.	Dr. N. D. Dholariya
46.	Genetic variability and character association in chickpea.	Gamit Rinkal R.	Dr. J. J. Savaliya
47.	Variability, character association and genetic divergence in Indian mustard.	Vivek Rathod	Dr. V. N. Gohil
48.	Character association and path analysis in desi chickpea genotypes suitable for machine harvest.	Dobariya Hardik B.	Dr. R. M. Javia
	2022		
49.	Genetic variability, correlation coefficient and selection indices in summer pearl millet [*Pennisetum glaucam* (L). R. Br.]	Basiya Rupesh B.	Dr. M. M. Talpada
50.	Line x Tester analysis in pearl millet [*Pennisetum glaucam* (L). R. Br.]	Patel riteshkumar B.	Dr. K. K. Dhedhi
51.	Spectrum of genetic variability and genetic diversity in cotton (*Gossypium hirsutum* L.)	Jyoti Sankhala	Dr. M. H. Sapovadiya
52.	Generation mean analysis for fruit yield and yield contributing traits in okra. [*Abelmoschus esculentus* (L.) Moench]	Savdhariya Divyesh N.	Dr. Lata J. Raval
53.	Genetic variability, correlatio, path analysis and genetic divergence in green gram [*Vigna radiata* (L.) R. Wikzek]	Patel Harsh J.	Dr. B. A. Monpara
54.	Generation mean analysis in brinjal (*Solanum melongena* L.)	Pedhadiya Hardik A.	Dr. V. H. Kachhadiya

55.	Estimation of hybrid vigour and combining ability for fruit yield and its contributing traits in okra [*Abelmoschus esculentus* (L.) Moench]	Urvi Jakasania	Dr. A. S. Jethwa
56.	Study of variability in spanish groundnut (*Arachis hypogaea* L.) through physical mutagen.	Solanki Naresh J.	Dr. R. S. Tomar
57.	Heterosis and combining ability for grain yield and its attributes in pearl millet [*Pennisetum glaucam* (L). R. Br.]	Patel Dipti D.	Dr. K. D. Mungra
58.	Heterosis and combining ability for grain yield and yield component traits in maize (*Zea mays* L.)	Kandoriya Dinesh V.	Dr. J. J. Savaliya
59.	Study of genetic variability in selected F_2 populations of brinjal (*Solanum melongena* L.)	Vadhiya Sandip G.	Dr. L. L. Jivani
60.	Univariate and Multivariate analysis for grain yield and bio-fortified traits (Fe and Zn) in pearl millet [*Pennisetum glaucam* (L). R. Br.]	Panara Vaibhav S.	Dr. K. D. Mungra
61.	Variability studies in American cotton (*Gossypium hirsutum* L.)	Hirapara Pratik A.	Dr. M. G. Valu
62.	Genetic architecture for fruit yield in okra [*Abelmoschus esculentus* (L.) Moench]	Bhargav Siddharth	Dr. H. V. Solanki
63.	Univariate and multivariate analysis in bread wheat (*Triticum aestivum* L.)	Kikani Bhavin V.	Dr. M. M. Talpada
64.	Variability, association and divergence analysis for grain yield and morpho-physiological traits in bread wheat (*Triticum aestivum*L.)	Aghera Nikhil G.	Dr. A. G. Pansuriya
65.	Mutation breeding in groundnut (*Arachis hypogaea*L.)	Malaviya Niraj H.	Dr. N. D. Dholariya
66.	Genetic variability, correlation, path analysis and selection indices in pigeon pea. [*Cajanus cajan* (L.) Millsp.]	Bhavna Baxla	Dr. B. A. Monpara
	2023		
67.	Genetical analysis in chick pea (*Cicer arietinum* L.) genotypes suitable for mechanical harvesying.	Katikeni Durga Prasad	Dr. R. M. Javiya
68.	Genetic variability, association and diversity for grain yield and yield attributing traits in Durum Wheat. (*Triticum durum* Desf.)	Bhambhaniya Ashvin P.	Dr. V. N. Gohil
69.	Effect of plant growth regulators on morpho-physiological, yield and induction of dormancy in bunch groundnut (*Arachis hypogaea* L.)	Chaudhari Mukesh S.	Dr. G. K. Katariya
70.	Estimation of Heterosis, Combining abiliy and gene action in okra. [*Abelmoschus esculentus* (L.) Moench]	Radadiya Chirag S.	Dr. D. R. Mehta

71.	Micropropagation of Anantmool [*Hemidesmum indicus* (L.) R. Br.]: An endangered medicinal plant	Foram Suvagiya	Dr. Rajiv Kumar
72.	Genetic variability, association analysis and selection indices in sesame (*Sesamum indicum* L.)	Gorasiya Amit B.	Dr. G. U. Kulkarni
73.	Line x Tester Analysis for fruit yield and its components in Brinjal (*Solanum melongena* L)	Rathod Rakesh D.	Dr. V. H. Kachhadia
74.	Studies on selection indices and genetic divergence in vegetable cow pea [*Vigna ungiculata* (L.) Walp.]	Vempally Sangeethika Reddy	Dr. Lata j. Raval
75.	Heterosis, Combining ability and gene action for fruit yield and its component traits in okra [*Abelmoschus esculentus* (L.) Moench].	Prateek Kumar Sharma	Dr. M. H. Sapovadiya
76.	Genotype x Environment interaction for yield and quality related traits in groundnut for selection of climate resilient genotypes.	Urmi P. Parmar	Dr. Praveen Kona
77.	Standardization of micropropagation protocol on medicinal herb Jivanti [*Leptadenia reticulata* (Retz.) wight]	Khunt Ravinaben G.	Dr. S. B. Chaudhari
78.	Heterosis and combining ability in Sesame (*Sesamum indicum* L.).	Chaudhari Parthkumar K.	Dr. H. V. Solanki
79.	Estimation of Heterosis, Combining abiliy and gene action in Sesame (*Sesamum indicum* L.).	Ponkiya Kinnari K.	Dr. N. D. Dholariya
80.	Genetic architecture for seed yield and its components in Indian Mustard [*Brassica juncea* (L.) Czern & coss]	bhimani Ronak A.	Dr. V. R. Akabari
81.	Genetic architecture for heterosis and combining ability in sesame [*Sesamum indicum* (L.)]	Pavan G. S.	Dr. C. A. Babariya
82.	An efficient in vitro regeneration protocol of *Uraria Picta* (Jacq.) (Prishniparni) from various in vitro plants	Samarth Kaluskar	Dr. Chandrakant Singh
83.	Character association, path analysis and genetic divergence in green gram [*Vigna radiata* (L.) R. Wilczek]	N. Narsimga Rao	Dr. R. M. Javia
84.	Study on morphological diversity in Brinjal (*Solanum melongena* L.)	Patil Vishvjeet S.	Dr. R. S. Tomar
	2024		
85.	Genetic studies in pearl millet [*Pennisetum glaucum*) (L.) R. Br.] using line x tester mating design	Bhatiya Bhavesh D.	Dr. K. K. Dhedhi
86.	Study of genetic variability, correlation, path analysis and selection indices in summer greengram [*Vigna radiata* (L.) R. Wilczek]	Guggulla Venkata Prassnna Laxmi	Dr. L. K. Sharma
87.	Half diallel analysis in sesame (*Sesamum indicum* L.)	Mungala Maulik P.	Dr. M. H. Sapovadiya

88.	Genetic variability and diversity, correlation and path coefficient analysis and selection indices in bread wheat (*Triticum aestivum* L.)	Detroja Hetal S.	Dr. V. B. Rathod
89.	Genetic diversity and character association in chickpea (*Cicer arietinum* L.) genotypes suitable for machine harvest	Dangariya Prince P.	Dr. R. M. Javiya
90.	Spectrum of variation induced by using physical and chemical mutagens in soybean [*Glycine max* (L.) merr]	Borad Urvesh U.	Dr. V. N. Gohil
91.	Standardization of micropropagation protocol in rose (*Rosa spp*.) var. DIVINE	Riya	Dr. Lata J. Raval
92.	Heterosis, combining ability and gene action for fruit yield and its contributing traits in sponge gourd *[Luffa cylindrica* (Roem.) L.]	Suthar Himul I.	Dr. V. H. Kachhadiya
93.	Existing genetic varibility and selection criteria in spanish bunch groundnut (*Arachis hypogaea* L.)	Vaghasiya Divij R.	Dr. N. D. Dholariya
94.	Genetic analysis in Pearl Millet [*Pennisetum glaucum* (L.) r. Br.] for grain yield and blast resistance	Moghariya Ashish A.	Dr. S. K. Parmar
95.	Character association and path analysis in F3 generation of spanish bunch groundnut (*Arachis hypogaea* L.)	Patel Jaimin K.	Dr. G. K. Sapra
96.	Ground nut genotypes evaluation for early maturity, fresh seed dormancy, yield and yield contributing traits and physiological and molecular studies for fresh seed dormancy	Likhita A.	Dr. Praveen Kona
97.	Heterosis, combining ability and gene action in relation to half diallel mating system in okra [*Abelmoschus esculentus* (L.) Moench]	Monika Vaishani	Dr. A. S. Jethwa
98.	Heterosis, combining ability and gene action for fruit yield and its components in bottle gourd [*Lagenaria siceraria* (Molina) standl.]	Dabhi Hemangi R.	Dr. M. M. Talpada
99.	Assessment of genetic diversity for yield and yield attributing traits in chickpea *(Cicer arietinum* L.)	Shobha S. G.	Dr. L. K. Sharma
100.	Standardization of micro-propagation protocol in damvel [*Tylophora indica* (Burm. F.) Merrill]	Bheda Dishaben B.	Dr. V. B. Rathod
101.	Genetic architecture of seed yield and its components in sesame (*Sesamum indicum* L.)	Gohil Hitenbhai B.	Dr. R. S. Parmar
102.	Study on morphological diversity in tomato (*Solanum lycopersicum* L.)	Dilkhush Meena	Dr. R. S. Tomar
103.	Univariate and Multivariate analysis in sesame (*Sesamum indicum* L.)	Diwakar Reddy M. N.	Dr. S. B. Chaudhari

104.	Mutation breeding through gamma rays in sesame (*Sesamum indicum* L.)	Naghera Hardik A.	Dr. V. R. Akabari
105.	Genetic analysis of fruit yield and its component traits in round fruited brinjal (*Solanum melongena* L.)	Prajapati Sakshi K.	Dr. J. J. Savaliya
106.	Heterosis, combining ability and gene action in diverse genotypes of pearl millet [*Pennisetum glaucum* (L.) R. Br.]	Gayakwad Bhavini H.	J. S. Sorathiya
107.	Genetic variability, diversity and association analysis for grain yield and its components in pearl millet	Gavli Hardik	Dr. S. K. Parmar
	2025		
108.	Genetic diversity, association and path analysis, selection indices and principal componenet analysis in groundnut (*Arachis hypogea* L.)	Sakshi Jain	Dr. D. R. Mehta
109.	Genetic variabiility and phenotypic correlation of F3 generation in pegion pea (*Cajanus Cajan* (L.) millsp.)	Gudibandi Rishitha	Dr. L K. Sharma
110.	Line x Tester Analysis for fruit yield and its components in Brinjal (*Solanum melongena* L.)	Badreshiya Harsh M.	Dr. V. H. Kachhadia
111.	Generation mean analysis for grain yield and its componenet traits in bread wheat *(Triticum aestivum* L.)	Harsha Chougule	Dr. G. U. Kulkarni
112.	Genetic analysis of grain yield and its componenets using diallel approach in bread wheat (*Triticum aestivum* L.)	Vora Harvi G.	Dr. A. G. Pansuriya
113.	Comprehensive analysis of genetic variability, correlation coefficient, path coefficient, selection indices and genetic divergence in sesame (*Sesamum indicum* L.)	Kathrotiya Yashkumar P.	Dr. M. H. Sapovadiya
114.	Exploitation of heterosis for seed yield and its components in cotton through Lx T	Kapadiya Avani P.	Dr. V. P. Akbari
115.	Mutagenesis for creation of genetic variability in sesame (*Sesamum indicum* L.)	Vaghasiya Mansi R.	Dr. G. K. Sapra
116.	Genetic analysis for fruit yield and its atributing traits in okra (*Abelmoschus esculentus* (L.) Moench)	Katariya Yogeshbhai P.	Dr. R. S. Parmar
117.	Explotation of heterosis for fruit yield and yield attributes in okra *(Abelmoschus esculentus* (L.) Moench)	Dabhi Deep R.	Dr. A. S. Jethwa
118.	Combining ability analysis and estimation of heterosis for grain yield its component traits in maize (*Zea mays* L.)	Lunagariya Heet M/	Dr. J. J. Savaliya
119.	Estimation of economic heterosis and combining ability for grain yield and its attributing traits in macaroni wheat (*Triticum durum* Desf.)	Bhalodiya Jeel J.	Dr. M. H. Sapovadiya

120.	Heterosis and combining ability analysis for seed yield and its component characters in castor (*Ricinus communis* L.)	Lalita Kumari	Dr. C. A. Babariya
121.	Analysis of seed yield components, selection indices and genetic divergence in soybean (Glycin max (L.) Merril)	Gadhiya Hepiben D.	Dr. N. D. Dholariya
122.	Heterosis and Combining ability studies in CGMS based hybrids of pearl millet (*Pennisetum glaucum* (L) R. Br.)	Badal Kangad	Dr. S. K. Parmar
123.	Heterosis, combining ability and gene action for kernel yield and its contributing traits in field corn (*Zea mays* L.)	Patel Jwal P.	Dr. V. N. Gohil
124.	Exploring synergistic effects of TDZ, paclobutrazol and CPPU in banana inflorescence tissue culture	Priyanka L M	Dr. Rajiv Kumar
125.	Standardizing micropropagation protocol to enhance conservation efforts in jyotishmati (*Celastrus paniculatus* wild.)	Patel Meetkumar S.	Dr. S. B. Chaudhari
126.	Morphological variability, diversity, correlation and path coefficient analysis in Indian barnyard millet (*Echinochloa frumentacea* L.)	Khavdu Rohan R.	Dr. H. V. Solanki
127.	Induced mutation through gamma rays in sesame *(Sesamum indicum* L.)	J. Roopabai	Dr. L. J. Raval