Ph.D. GPB Theses Submitted to GPB department (1984 to 2024)

Name of the student	Guide	Title of the thesis	Year Subm.
B.L. Joshi	Dr. P.T. Shukla	STUDIES ON INDUCED MUTATIONS IN PEARL MILLET (*Pennisetum typhoides* (Burm. Stapuf and Hubbard)	1984
D.L. Dholaria	Dr. H.R. Dave	INDUCED MUTATION STUDIES WITH DIFFERENT MUTAGENS AND INDUCTIN TECHNIQUES WITH SPECIAL REFERENCE TO POLYGENIC TRAITS IN BLACK GRAM (*Vigna mungo* (L.) Hepper).	1985
R.L. Joshi	Dr. H.R. Dave	STUDIES ON COMBINING ABILITY AND GENE ACTION OVER ENVIRONMENTS IN SUNFLOWER (*Helianthus annuus* L.)	1985
A.S. Kavar	Dr. P.T. Shukla	INVESTIGATION ON VARIOUS BIOMETRICAL ASPECTS IN DIFFERENT CULTIVATED TYPES OF GROUNDNUT (*Arachis hypogaea* L.)	1985
M.K. Bhalala	Dr. P.T. Shukla	INDUCTIONO MUTATION FOR QUALITATIVEAND QUANTITATIVE VARIATIONS IN CULTIVATED VARIETIES OF GROUNDNUT (*Arachis hypogaea* L.)	1985
P.R.Godhani	Dr. H.R. Dave	STABILITY PARAMETERS AND COMBINING ABILITY STUDIES IN COWPEA	1986
K.V. Pethani	Dr. H.R. Dave	LINE X TESTER STUDIES ON GENE ACTION HETEROSIS AND PHENOTYPIC STABILITY IN PEARL MILLET(*Pennisetum typhoides* (B) S. & H.)	1987
A.S.Yusufzai	Dr. H.R. Dave	GENETIC STUDIES IN BRINJAL (*Solanum melongena* L.) UNDER VARYING ENVIRONMENTS	1989
C. M. Raval	Dr. H. R. Dave	INDUCED MUTATION STUDIES FOR QUALITATIVE AND QUANTITATIVE TRAITS IN DIFFERENT GENOTYPES OF PEARL MILLET	1989
D.S.Shah	Dr. P.T. Shukla	STUDIES ON VARIABILITY, GENOTYPE-ENVIRONMENT INTERACTION, HERITABILITY AND STABILITY OF PERFORMANCE IN SUNFLOWER	1992
M.P. Saiyed	Dr. P.T. Shukla	STUDIES ON HETEROSIS, COMBINING ABILITY AND GENE ACTION IN CASTOR (Ricinus communis L.) UNDER TWO ENVIRONMENTS	1992

A. V. Agalodiya	Dr. P.T. Shukla	ESTIMATION OF GENETIC PARAMETERS FOR INHERITANCE OF GRAIN YIELD AND ITS ATTRIBUTES INBREAD WHEAT (*Triticum aestivum* L. Emend Thell) UNDER VARYING ENVIRONMENTS	1993
R.H.Kavani	Dr. P.T. Shukla	STUDIES ON VARIABILITY, HERITABILITY, GENETIC ADVANCE, GENOTYPE-ENVIRONMENT INTERACTION AND STABILITY PARAMETERS IN SAFFLOWER (*Carthamus tinctorius* L.)	1994
H. L. Dhaduk	Dr. P. T. Shukla	DIALLEL ANALYSIS OVER ENVITONMENTS IN BREAD WHEAT	1994
M.S.Desai	Dr. P.T. Shukla	ESTIMATION OF GENETIC PARAMETERS FOR INHERITANCE OF GRAIN YIELD AND ITS ATTRIBUTES IN SORGHUM (*Sorghum bicolor* (L.) Moench) UNDER VARYING ENVIRONMENTS	1994
M.J.Pavasia	Dr. P.T. Shukla	DIALEL ANALYSIS OVER ENVIRONMENTSIN UPLAND COTTON	1995
G.S.Patel	Dr. K.V. Pethani	STUDIES ON HETEROSIS, COMBINING ABILITY AND PHENOTYPIC STABILITY IN COTTON (*Gossypium arboreum* L.)	1995
L. K. Dhaduk	Dr. P. S. Bharodia	HETEROSIS, INBREEDING DEPRESSION AND OCMBINING ABILITY STUDIES IN OKRA (*Abelmoschus esculentus* (L.) Moench)	1998
V. P. Chovatia	Dr. P. T. Shukla	HETEROSIS AND COMBINING ABILITY STUDIES IN DURUM WHEAT	1999
D. L. Parmar	Dr. P. S. Bharodia	ESTIMATES OF COMBINING ABILITY, HETEROSIS, AND GENE ACTION IN GROUNDNUT (*Arachis hypogaea* Linn.)	1999
J. R. Dobaria	Dr. P. S. Bharodia	INHERITANCE OF POD YIELD, ITSCOMPONENTS AND CONFECTIONERY CHARACTERS IN GROUNDNUT (*Arachis hypogaea* L.)	2000
M. H. Vaghasia	Dr. K. V. Pethani	LINE X TESTER OVER ENVIRONMENTS IN PEARL MILLET (PENNISETUM GLAUCUM (L.) R. Br.)	2004
R.M. Javia	Dr. V. K. Poshiya	HETEROSIS AND COMBINING ABILITY OVER ENVIRONMENTS IN OKRA	2004

		(ABELMOSCHUS ESCULENTUS (L.) Moench).	
R.B. Madaria	Dr. V. K. Poshiya	HETEROSIS AND COMBINING ABILITY FOR SEED YIELD AND YIELD COMPONENTS IN CASTOR (Ricinus communis L.) OVER ENVIRONMENTS	2004
L. L. Jivani	Dr. H.M. Pandya	GENETIC ANALYSIS OF YIELD, ITS COMPONENTS AND QUALITY CHARACTERS IN BUNCH GROUNDNUT (*Arachis hypogaea* L.)	2004
P.R. Golakia	Dr. V. K. Poshiya	LINE X TESTER OVER ENVIRONMENTS IN CASTOR (*Ricinus communis* L)	2005
J. H. Vachhani	Dr. V. K. Poshiya	GENETIC ANALYSIS OF YIELD AND ITS COMPONENTS IN OKRA	2005
P. R. Padhar	Dr. K. L. Dobariya	HETEROSIS AND COMBINING ABILITY ANALYSIS IN F_1 AND F_2 GENERATIONS OF DIALLEL CROSS UNDER TIMELY AND LATE SOWN ENVIRONMENTS IN BREAD WHEAT (*Triticum aestivum* L. em. Thell)	2005
M. A. Vaddoria	Dr. K. L. Dobariya	HETEROSIS, GENE ACTION AND COMBINING ABILITY OVER ENVIRONMENTS IN BRINJAL (*Solanum melongena* L.)	2006
H. R. Dhameliya	Dr. K. L. Dobariya	IMPACT OF DIFFERENT MATING APPROACHES IN GENERATING GENETIC VARIABILITY AND GENETIC ANALYSIS OF YIELD COMPONENTS IN BRINJAL *(Solanum melongena L.)*	2006
V. J. Bhatiya	Dr. B.A. Monpara	GENETICS FOR SLOW LEAF RUSTING AND YIELD RELATED TRAITS IN BREAD WHEAT (*Triticum aestivum* L. em. Thell)	2006
H. G. Shekhat	Dr. H.M. Pandya	GENETIC ANALYSIS OF YIELD, ITS COMPONENTS AND QUALITY CHARACTERS IN SESAMUM (*Sesamum indicum* L.)	2006
V. M. Sarvaliya	Dr. V. K. Poshiya	HETEROSIS AND COMBINING ABILITY ANALYSIS FOR YIELD AND YIELD COMPONENTS IN SESAME (*Sesamum indicum* L.) OVER ENVIRONMENTS	2006
P. P. Umaretiya	Dr. V. K. Poshiya	LINE X TESTER STUDIES ON HETEROSIS, GENE ACTION AND PHENOTYPIC STABILITY IN PEARL MILLET (*Pennisetum glaucum* (L.) R. Br.)	2006

A. P. Patel	Dr. H.M. Pandya	DETECTION AND ESTIMATION OF COMPONENTS OF GENETIC VARIATION AND GENOTYPE X ENVIRONMENT INTERACTION THROUGH TRIPLE TEST CROSS ANALYSIS IN OKRA [*Abelmoschus esculentus* (L.) Moench]	2006
S. M. Makwana	Dr. K. L. Dobariya	DETECTION AND ESTIMATION OF COMPONENTS OF GENETIC VARIATION AND GENOTYPE X ENVIRONMENT INTERACTION THROUGH TRIPLE TEST CROSS ANALYSIS IN WHEAT (*Triticum aestivum* L.)	2007
K. H. Dabhi	Dr. V. K. Poshiya	HETEROSIS, GENE ACTION AND COMBINING ABILITY OVER ENVIRONMENTS IN OKRA (*Abelmoschus esculentus* (L.) Moench)	2007
H. M. Babariya	Dr. V. K. Poshiya	LINE X TESTER ANALYSIS OVER ENVIRONMENTS IN OKRA (*Abelmoschus esculentus* (L.) Moench)	2008
B. K. Davda	Dr. C.J. Dangaria	DIALLEL ANALYSIS OVER ENVIRONMENTS IN PEARL MILLET (*Pennisetum glaucum* (L.) R. Br.)	2009
Jethava A. S.	Dr. H.M. Pandya	HETEROSIS, COMBINING ABILITY AND STABILITY ANALYSIS OVER ENVIRONMENTS IN PEARL MILLET (*Pennisetum glaucum* (L) R. Br.)	2009
J.M. Kamani	Dr. K.L. Dobariya	HETEROSIS, COMBINING ABILITY AND STABILITY OVER ENVIRONMENTS IN BREAD WHEAT (*Triticum aestivum* L.)	2009
V. H. Kachhadia	Dr. C.J. Dangaria	LINE X TESTER ANALYSIS OVER ENVIRONMENTS IN OKRA (*Abelmoschus esculentus* (L.) Moench)	2009
P. R. Sodavadiya	Dr. L.K. Dhaduk	GENETIC ARCHITECTURE OF SEED YIELD AND YIELD ATTRIBUTING TRAITS IN CASTOR (*Ricinus communis* L.) UNDER DIVERSE ENVIRONMENTS	2010
B. A. Monpara	Dr. M.S. Pithia	GENETIC ARCHITECTURE OF SEED YIELD AND ITS COMPONENTS IN CASTOR (*Ricinus communis* L.) UNDER DIVERSE ENVIRONMENTS	2010
Vanpariya L.G.	Dr. M.S. Pithia	GENETIC ANALYSIS OF GRAIN YIELD AND ITS COMPONENTS IN WHEAT (*Triticum aestivum* L.) UNDER DIVERSE ENVIRONMENTS	2011

Gor H.K.	Dr. L.K. Dhaduk	HETEROSIS, COMBINING ABILITY AND GENETIC ARCHITECTURE IN SUMMER GROUNDNUT (*Arachis hypogaea* L.)	2011
Talapada Mansukhlal Mohanbhai	Dr. B.A. Monpara	EARLY GENERATION SELECTION FOR YIELD AND ITS COMPONENETS IN CHICKPEA (*Cicer arietnum* L.)	2012
Madhubala	Dr. Radhakrishna T.	DEVELOPMENT AND CHARACTERIZATION OF TRANSGENIC GROUNDNUT (*Arachis hypogea* L.) USING PLANT DEFENSIN GENE	2012
Savaliya Jaysukhlal Jerambhai	Dr. M.S. Pithia	HETEROSIS, COMBINING ABILITY AND GENE ACTION FOR FRUIT YIELD AND ITS COMPONENETS IN BRINJAL (*Solanum melongena* L.)	2013
Tengale Dipak Bhouso	Dr. Radhakrishna T.	TRANSFORMATION AND CHARACTERISSATION OF TRANSGENIC GROUND NUT (*Arachis hypogaea* L.) WITH MT1D GENE FOR ABIOTIC STRESS TOLERANCE	2013
Pansuriya Ashwin kumar Govindbhai	Dr. L.K. Dhaduk	GENETIC ARCHITECTURE OF GRAIN YIELD AND ITS COMPONENTS IN BREAD WHEAT (Triticum aestivum L) UNDER DIFFERENT DATES OF SOWING	2013
Valu Manu Govindbhai	Dr. M.D.Khanpara	GENETICS OF SEED COTTON YIELD AND ITS COMPONENET TRAITS IN COTTON.(*Gossypium hirsutum* L.)	2015
Odedara Rama Kana	Dr. M.S.Pithia	PHENOTYPIC STABILITY FOR GRAIN YIELD AND ITS CONTRIBUTING CHARACTERS USING DIFFERENT STABILITY MODELS IN BREAD WHEAT (*Triticum aestivum* L.em.Thell)	2015
Babariya chirag Ashokbhai	Dr. L.K. Dhaduk	HETEROSIS, COMBINNG ABILITY AND GENETIC ARCHITECTURE IN COWPEA (Vigna Unguiculata L. walp)	2015
Sapovadiya Manish	Dr. K.L. Dobariya	HETEROSIS, GENE ACTION AND COMBINING ABILITY OVER ENVIRONMENTS FOR SEED YIELD AND ITS COMPONENTS IN CASTOR (Ricinus communis l.)	2015
Patil Abhinandan Surgonda	Dr.Radhakrishnan T.	CHARACTERIZATION OF TRANSGENIC GROUNDNUT (Arachis hypogea L.) PLANTS CARRYING COAT PROTEIN GENE OF TSV AND NUCLLEOCAPSID GENE OF PBNV	2015

Solanki Harpal V.	Dr. D.R. Mehta	DETECTION AND ESTIMATION OF LINKED DIGENIC AND HIGHER ORDER GENE EFFECTS FOR SEED COTTON YIELD AND ITS COMPONENT TRAITS IN COTTON (Gossypium hirsutum L.)	2016
Raval Lata J.	Dr. M.S. Pithia	EFFICACY OF DIFFERENT SELECTION METHODS IN DESI CHICKPEA	2016
Salunke Mahesh	Dr. M.S. Pithia	COMPARISION OF GENETIC VARIABILITY GENERATED IN DIFFERENT POPULATIONS AND GENETIC ANALYSIS OF YIELD COMPONENTS IN MUNGBEAN (Vigna radiata)	2016
Darvhankar Mayur S.	Dr. S.K.Bera	GENE ACTION AND IDENTIFICATION OF QUANTITATIVE TRAIT LOCI (QTL) FOR DROUGHT RELATED TRAITS IN GROUND NUT.	2017
Shah Siddhi H.	Dr. J.B.Patel	GENETICS OF QUANTITATIVE TRAITS IN BREAD WHAET OVER ENVIRONMENTS	2018
Ramesh kumar	Dr. D.R. Mehta	GENE ACTION, STABILITY PARAMETERS AND QTL MAPPING IN BREAD WHEAT (Triticum aestivum L.)	2018
Sapra G.K.	Dr. J.B.Patel	GENETIC ANALYSIS OF SEED YIELD AND ITS COMPONENTS OVER ENVIRONMENTS IN SESAME (Sesamum indicum L.)	2018
Rathod Virajben B.	Dr. M.S.Pithia	HETEROSIS, COMBINING ABILITY AND GENE ACTION FOR SEED YIELD AND ITS COMPONENTS IN MUNGBEAN (Vigna radiata L.)	2018
Parmar Rakesh S.	Dr. V.P. Chovatia	GENETIC ARCHITECTURE OF SEED YIELD AND ITS COMPONENTS IN SESAME (Sesamum indicum L.) OVER ENVIRONMENTS.	2018
Katariya Hitesh M.	Dr. M. D. Khanapara	GENETIC ARCHITECTURE IN PEARLMILLET (*Pennisetum glaucum* L.)	2019
Vavadiya P. A.	Dr. V. P. Chovatia	HETEROSIS, COMBINING ABILITY AND GENE ACTION OVER ENVIRONMENTS FOR SEED COTTON YIELD AND ITS COMPONENT IN COTTON (*Gossypium hirsutum* L.)	2019

Vora Zarna N.	Dr. D. R. Mehta	HETEROSIS, COMBINING ABILITY, GENE ACTION AND STABILITY ANALYSIS OVER ENVIRONMENTS IN BRINJAL (*Solanum melongena* L)	2019
Mori Kiran Kala	Dr. J. B. Patel	GENETICS OF CASTOR SEED YIELD AND ITS COMPONENT TRAITS IN CASTOR (*Ricinus communis* L.)	2019
Barad Hitesh R.	Dr. K. L. Dobariya	GENETIC ARCHITECTURE OF SEED YIELD AND ITS COMPONENT CHARACTERS IN F_1 AND F_2 GENERATION OF CASTOR (*Ricinus communis* L.)	2019
Chetaria Chana P.	Dr. M. S. Pithia	VARIABILITY AND STABILITY ANALYSIS IN RELATION TO HIGH TEMPERATURE TOLERANCE IN DESI CHICKPEA (*Cicer arietinum* L.)	2019
Mori Vaishali	Dr. V. P. Chovatia	GENERATION MEAN ANALYSIS IN SESAME (*Sesamum indicum* L.) OVER DIFFERERNTAGRO-CLIMATIC ZONES.	2020
Balat Jigneshkumar	Dr. J. B. Patel	GENETIC STUDIES FOR FRUIT YIELD AND ITS COMPONENTS IN BOTTLE GOURD OVER ENVIRONMENTS.	2020
Hadiya Ankur	Dr. L. K. Dhaduk	GENETIC ARCHITECTURE OF FRUIT YIELD AND ITS COMPONENTS IN BOTTLE GOURD	2020
Movaliya Hardik M.	Dr. V. P. Chovatia	GENETIC ARCHITECTURE OF SEED YIELD AND ITS COMPONENTS IN CASTOR	2021
Patel Himalay R.	Dr. D. R. Mehta	EXPLOITATION OF HETEROSIS, INBREEDING DEPRESSION, COMBINING ABILITY AND GENE ACTION FOR FRUIT YIELD AND ITS COMPONENT TRAITS IN BOTTLE GOURD.	2021
Delvadiya Indrajay R.	Dr. R. B. Madariya	DETECTION AND ESTIMATION OF TRIGENIC AND LINKED DIGENIC INTERACTION EFFECTS IN CASTOR USING 21 GENERATIONS.	2021
Barad Sachin H.	Dr. L. L. Jivani	GENETIC VARIABILITY, CHARACTER ASSOCIATION AND STABILITY ANALYSIS IN *VIRGINIA* BUNCH GROUNDNUT.	2021
Biswajit Lenka	Dr. G. U. kulkarni	HETEROSIS AND COMBINING ABILITY STUDIES IN PEARL MILLET USING LINE X TESTER ANALYSIS OVER DIFFERENT ENVIRONMENT.	2022

Gajera Kishan P.	Dr. K. D. Mungra	COMBINING ABILITY AND STABILITY ANALYSIS USING ALLOPLASMIC ISONUCLEAR LINES FOR YIELD AND BIOFORTIFIED TRAITS IN PEARLMILLET [*Pennisetum glaucam* (L). R. Br.]	2022
Patel Nikitaben S.	Dr. J. B. Patel	VARIABILITY AND STABILITY ANALYSIS IN RELATION TO HEAT TOLERANCE IN BREAD WHEAT (*Triticum aestivum* L.)	2022
Jay Khaniya	Dr. G. U. Kulkarni	GENETIC ANALYSIS OF SEED YIELD AND YIELD CONTRIBUTING TRAITS IN MEDIUM DURATION PIGEON PEA [*Cajanus cajan* (L.) Millsp.]	2022
Chandrakanta Kumawat	Dr. G. U. kulkarni	GENETIC ARCHITECTURE FOR FRUIT YIELD AND ITS COMPONENTS TRAITS IN BRINJAL (*Solanum melongena* L.) OVER ENVIRONMENTS.	2022
Zala Rakesh G	Dr. D. R. Mehta	EXPLOITATION OF HETEROSIS, INBREEDING DEPRESSION, COMBINING ABILITY AND GENE ACTION FOR SEED YIELD AND ITS COMPONENTS IN SESAME (*Sesamum indicum* L.)	2022
Galani Shyam N.	Dr. R. B. Madariya	COMBINING ABILITY AND GENETIC COMPONENT ANALYSIS IN F_1 AND F_2 GENERATIONS OF PEARL MILLET [*Pennisetum glaucam* (L). R. Br.]	2023
Suchitra	Dr. R. B. Madariya	HETEROSIS, COMBINING ABILITY AND INBREEDING DEPRESION FOR SEED YIELD AND ITS ATTRIBUTING TRAITS IN SESAME. (*Sesamum indicum* L.)	2023
Limbani Harsiddhi B.	Dr. D. R. Mehta	HETEROSIS, COMBINING ABILITY AND GENE ACTION FOR FRUIT YIELD AND ITS COMPONENT TRAITS IN OKRA [*Abelmoschus esculentus* (L.) Moench] OVER ENVIRONMENTS.	2023
Vekaria Deepkumar Manojbhai	Dr. A. G. Pansuriya	GENETIC ARCHITECTURE OF GRAIN YIELD AND MORPHO-HYSIOLOGICAL TRAITS IN F_1 AND F_2 GENERATIONS OF BREAD WHEAT (*Triticum aestivum* L.)	2024
Hilay Dudhat	Dr. M. G. Valu	GENETIC ANALYSIS THROUGH DIALLEL CROSSES OVER ENVIRONMENTS AND DIVERSITY ANALYSIS USING SSR MARKERS IN DURUM WHEAT (*Triticum durum* Desf.)	2024
Mavani Sunny V.	Dr. D. R. Mehta	DETECTION OF DIGENIC AND TRIGENIC EPISTASIS FOR FRUIT YIELD, ITS COMPONENTS AND QUALITY TRAITS IN BRINJAL [*Solanum melongena* (L.)]	2024

Rajani Chirag Jyotishbhai	Dr. M. G. Valu	HETEROSIS, COMBINING ABILITY AND GENE ACTION FOR SEED COTTON YIELD AND ITS COMPONENTS IN COTTON (*Gossypium hirsutum* L.) OVER ENVIRONMENTS.	2024
Parmar Manshiben I.	Dr. K. D. Mungra	PATTERN OF MOLECULAR DIVERSITY AND DIALLEL ANALYSIS FOR GRAIN YIELD AND BIOFORTIFIED TRAITS IN PEARL MILLET [*Pennisetum glaucum* (L.) R. Br.]	2024
Talatam Ramya Vardhini	Dr. L. K. Sharma	ESTIMATION OF HETEROSIS, INBREEDING DEPRESSION, COMBINING ABILITY AND GENE ACTION FOR SEED YIELD AND ITS COMPONENT TRAIT IN PIGEONPEA [*Cajanus cajan* (L.) Millsp.]	2024

Ph.D. Plant Physiology Theses Submitted to GPB department (1987 to 2024)

Name of the student	Guide	Title of the thesis	Year Subm.
A.D. Patel	Dr. P.H. Bhatt	THE SOURCE MANIPULATIONS RESPONSE TO GROWTH AND DEVELOPMENT IN GROUNDNUT (*Arachis hypogaea* L.)	1992
Bangar Shital Shahdevrao	Dr. Chetana Mnadavia	THERMOTOLERANCE AND RELATIVE YIELD PERFORMANCE OF WHEAT (*Triticum aestivum* L.) VARIETIES UNDER TIMELY AND LATE SOWN CONDITIONS .	2014
Kamble Bhimrao Ganapati	Dr. A.S.Joshi	GERMINATIVE AND NON GERMINATIVE EVALUATION FOR PHYSIOLOGICAL QUALITY OF SEED IN PAERL MILLAT (*Pennisetum glaucum* L.)	2015