

ACTIVITIES/ACHIEVEMENTS

1. U.G. Courses as per IVth and Vth Dean Committee

Sr. No	Semester	Course No/code	Title of course	Credits	Course Teacher
1.	First	Hort. 1.1	Fundamentals of Horticulture (V th Dean)	1 + 1	Prof. Bhoomika Patel Assistant Professor
2.	Second	Hort. 2.2	Production technology for fruit and plantation crops (V th Dean)	1 + 1	Prof. Bhoomika Patel Assistant Professor
3.	Third	Hort. 3.3	Production Technology for Vegetable and Spices (V th Dean)	1 + 1	Dr. V. K. Parmar Associate Professor
4.	Fourth	Hort. 4.4	Production Technology for Ornamental Crops, MAPs and Landscaping (V th Dean)	1 + 1	Prof. Sheetal Jadhav Assistant Professor

5.	Fifth	Hort. 5.4	Post harvest technology and value addition of fruit and vegetables (IV th Dean)	1 + 1	Prof. N. M. Patel Assistant Professor
6.	Seventh	Hort.7.2	RAWE (IV th Dean)	0+2	Prof. Sheetal Jadhav Assistant Professor
7.	Eight	Hort. 8.6	Commercial Vegetables Production (IV th Dean)	1+2	Dr. V. K. Parmar Associate Professor
7.	Eight	Hort. 8.13 (G-1)	Commercial Floriculture (IV th Dean)	1+2	Prof. Sheetal Jadhav Assistant Professor
8.	Eight	Hort. 8.7 (G-3)	Commercial Floriculture (IV th Dean)	1+2	Prof. Sheetal Jadhav Assistant Professor
9.	Eight	Hort. 8.8	Commercial Fruit Production (IV th Dean)	1+2	Prof. Bhoomika Patel Assistant Professor
10.	Eight	Hort. 8.9	Nursery Management of Horticultural crops (IV th	1+3	Prof. Sheetal Jadhav

			Dean)		Assistant Professor
11.	Eight	Hort. 8.10	Protected cultivation of Horticultural crops (IV th Dean)	1+2	Prof. N. M. Patel Assistant Professor
12.	Eight	Ag. Proc. 8.3	Post harvest technology of spices, Plantation, Medicinal and Aromatic crops (IV th Dean)	1+3	Prof. N. M. Patel Assistant Professor
TOTAL				12+23=	35

2. Practical manual prepared for U.G. students:

Sr. No	Course No.	Course Title	Complied by
1.	Hort 1.1	Production Technology of fruits	Dr. B.R. Parmar, Professor and Head, Dr. R.V. Tank, Associate Professor Dr. Vinay K. Parmar, Assoc. Professor Prof. N.M.Patel, Assistant Professor
2.	Hort 3.2	Production Technology of	Dr. R.V. Tank, Associate

		vegetables and flowers	Professor Dr. Vinay K. Parmar, Assoc. Professor Dr. B.R. Parmar, Professor and Head Prof. N.M.Patel, Assistant Professor
3.	Hort 4.3	Production Technology of Spices, Medicinal, Aromatics and Plantation crops	Dr. Vinay K. Parmar, Assoc. Professor Prof. N.M.Patel, Assistant Professor Dr. B.R. Parmar, Professor and Head Dr. R.V. Tank, Associate Professor
4.	Hort 5.4	Post Harvest Management and Value Addition of fruits and Vegetables	Prof. N. M. Patel, Assistant Professor Dr. Vinay K. Parmar, Assoc. Professor Dr. B.R. Parmar, Professor and Head Dr. R.V. Tank, Associate Professor
5.	Hort. 1.1	Fundamentals of Horticulture	Prof. Bhoomika Patel, Assistant Professor Prof. Sheetal Jadhav, Assistant Professor

			Dr. Vinay K. Parmar, Assoc. Professor Prof. N. M. Patel, Assistant Professor
6.	Hort. 2.2	Production technology for fruit and plantation crops	Prof. Bhoomika Patel, Assistant Professor Prof. Sheetal Jadhav, Assistant Professor Dr. Vinay K. Parmar, Assoc. Professor Prof. N. M. Patel, Assistant Professor
7.	Hort. 3.3	Production Technology for Vegetable and Spices	Dr. Vinay K. Parmar, Assoc. Professor Prof. N. M. Patel, Assistant Professor Prof. Bhoomika Patel, Assistant Professor, Prof. Sheetal Jadhav, Assistant Professor

Achievement Of Awards, Citation For Outstanding Activities

1. **Prof. N. M. Patel**, Assistant Professor, Department of Horticulture, N. M. College of Agriculture, Navsari Agricultural University, Navsari was honored with 'Best paper Award' in National Seminar on Sustainable Development of Tribal areas through Integrated and Eco-Friendly Approaches Organized by KVK, Waghai during December, 11-13, 2009.

3. P.G. Student list

List of M. Sc. Students obtained degree from department of horticulture, N. M. College of agriculture, navsari (during 1976-2013)

Thesis on fruit crops

Sr. No	Name of student	Title	Name of Guide	Year
1.	H.P. Bhuva	A descriptive study of some South Indian cultivars and the newly developed mango hybrid progenies. Studies on growth and flowering behavior of some hybrids and their parents under South Gujarat condition.	Dr. H.D. Amin	1976
2.	R. P. Rathod	Studies on growth, flowering and fruiting behaviour of Chicku (<i>Achras sapota</i> L.) its response to plant growth regulators.	Dr. H.D. Amin	1977
3.	B.T.	The effect of soil application of N.P and K on	Dr.B.	1978

	Kachhadia	the yield and leaf composition in Chiku (<i>Achras sapota</i> L.) Cv. Kalipatti.	Narasimham	
4.	B.K. Bhakta	Studies on the effect of spacing and micro-nutrient (Zinc sulphite) as well as growth regulators on growth and yield of Basrai cultivars of Banana (<i>Musa cavendishii</i> L.)	Dr.H.D. Amin	1978
5.	S.K. Dave	Studies on pruning and manorial application on guava Cv. Alhabad Safeda under south Gujarat conditions.	Dr. H.D. Amin	1977
6.	R.A. Khimani	The effect of growth regulators and urea sprays on the fruit set, fruit retention and fruit quality of some commercial cultivars of mango (<i>Mangifera indica</i> L.)	Dr. D.L. Joshi	1980
7.	B.N. Patel	Effect of foliar spray application of N,P,K fertilizers on growth, yield and quality of banana (<i>Musa cavendishii</i> L.) Cv. Basrai.	Dr. D.L. Joshi	1980
8.	I.K. Sheth	The study of temperature in relation to spongy tissue development in mango (<i>Mangifera indica</i> L.) fruit of cultivar Alphonso and its control.	Dr. J.S. Katrodiya	1981
9.	B.R. Parmar	The effect of various plant regulators, some chemicals and sleeving on maturity, yield and quality of Banana Cv. Basrai.	Dr.B.S.Chundawat	1982
10.	P.B. Parmar	Post - harvest physiology of Mango Cv. Alphonso and Kesar.	Dr.B.S. Chundawat	1982
11.	S.N. Vaghani	Sun drying of Sapota (<i>Achras sapota</i> L.) fruits Cv. Kalipatti.	Dr.B.S. Chundawat	1983

12.	N.L. Patel	Effect of size and resting period of suckers on growth, yield and quality of banana Cv. Basrai.	Dr.B.S. Chundawat	1983
13.	V.P. Gandhi	Effect of certain plant regulators, urea and sleeving on maturity, yield and quality of Banana (<i>Musa cavendishii</i> L.) Cv. Basrai.	Dr. B.M. Patel	1984
14.	R.L. Patel	Effect of foliar spray application of urea on maturity, yield and quality of banana (<i>Musa cavandishi</i> L.)	Dr. B.M. Patel	1985
15.	R.N. Patel	Seasonal fluctuations in the physico- chemical characters in some varieties of sapota (<i>Achras sapota</i> L.) fruits under S.G. conditions.	Dr. B.M. Patel	1987
16.	S.S. Ganvit	Effect of certain plant regulators and Urea sprays on fruit set, fruit growth, yield and quality of Sapota (<i>Achras sapota</i> L.) Cv. Kalipatti.	Dr. B.M. Patel	1989
17.	K.J. Patel	Effect of X- NAA and Urea sprays on fruit drop control, yield and quality of Mango (<i>Mangifera indica</i> L.) Cv. Kesar.	Dr. B.M. Patel	1991
18.	P.M. Vaghasiya	Corkyness in sapota (<i>Manilkara achras</i> (Mill) Forsberg) fruit of Cv. Kalipatti under S.G. conditions and its control.	Dr. J.S. Katrodiya	1991
19.	S.H. Kandoliya	Effect of pruning and nitrogen levels on growth, yield and quality of Phalsa (<i>Grewia asiatica</i> L.) under S.G. condition.	Dr.J.S. Katrodiya	1991
20.	M.J. Patel	Influence of X- NAA, 2-4-D and Urea sprays on fruit retention, yield and quality of Mango	Dr. B.M. Patel	1991

		<i>Mangifera indica</i> L. Cv. Kesar.		
21.	R.G. Jadav	Effect of pruning and growth regulators on the performance of single and double cropping of Phalsa (<i>Grewia asiatica</i> L.) under S.G. condition.	Dr. H.P. Bhuva	1993
22.	B.P. Patel	Studies on physico- chemical and bio- chemical properties of corkyness in Sapota (<i>Manilkara achras</i> (Mill) Forsberg) fruits of Cv. Kalipatti.	Dr. J.S. Katrodia	1993
23.	P.D. Patel	Studies on the growth and physico - chemical composition of promising crosses of mango fruit.	Dr. B.M. Patel	1996
24.	T.R. Ahlawat	Effect of plant growth regulators and urea on fruit growth and quality of Mango (<i>Mangifera indica</i> L.) Cv. Kesar.	Dr. B.M. Patel	1999
25.	S.N.D. Hebbar	Use of pectinolytic enzyme for the extraction of juice from mango (<i>Mangifera indica</i> L.) Cvs. Kesar and Alphonso.	Dr. S.K. Dave	1998
26.	J. M. Rathod	Effect of soil salinity on growth and chemical composition of young sapota (<i>Manilkara achras</i> (Mill) Fosberg) plants of Cv. Kalipatti.	Dr.B.S. Chundawat	1998
27.	V.V. Unnithan	The role of growth regulators, chemicals and packing in extending the shelf - life of Banana (<i>Musa paradisiacal</i> L.) Cv. Dwarf Cavendish.	Dr. M.M. Desai	2000
28.	K.V. Vala	Post harvest investigations in mango Cv. Kesar.	Dr. R.I. Bhatt	2002
29.	Patel A.M.	Diagnostic survey and appraisal of existing adoption of manure and fertilizer	Dr. M.M. Desai	2003

		recommendation for mango (Cv. Alphonso) production in Valsad district of South Gujarat.		
30.	Patel B.R.	Survey of mango orchards for nutritional status and fruit quality of paclobutrazol applied and non applied orchards of South Gujarat.	Dr.J.R. Desai	2004
31.	Trivedi Y.V.	Effecacy of post harvest treatments on shelf life and quality of guava Cv. L-49	Dr. M.M. Desai	2004
32.	Rathod C. M.	Effect of ethylene absorbents and chemicals on post harvest treatments of extends shelf life of guava fruits Cv. Allhabad Safeda.	Dr. A.G. Naik	2005
33.	Yadav Manoj Kumar	Effect of micronutrients on growth, yield and quality of banana Cv. Grand Nain.	Dr. N.L. Patel	2005
34.	Patel A.R.	Effect of micronutrients on growth, yield and quality of banana Cv. Basrai under pair row planting method.	Dr. M.M. Desai	2006
35.	Patel U.A.	Effect of post harvest treatments on storage behaviour of hybrid mango fruits Cv. Amrapali and Neelphanso.	Dr. B.N. Patel	2006
36.	Patil A. A.	Effect of various post harvest treatments for extending the storage life of mango Cv. Neeleshan Gujarat.	Dr. R.Z. Valia	2006
37.	Patel Nilam V.	Response of post harvest treatments on shelf life and quality of custard apple fruits Cv. Balanagar.	Dr. A.G. Naik	2006
38.	Patel N.N.	Weed management in mango seedling nursery.	Dr. B.N Patel	2007

39.	Patel D.R.	Effect of pre- harvest treatments of organic manure and inorganic fertilizers on post harvest shelf life of sapota fruits cv. Kalipatti.	Dr. A.G. Naik	2007
40.	Rajput K.G.	Development of sapota product dehydrated slices in cv. Kalipatti	Dr. A.G. Naik	2007
41.	Mehra Sweta K.	Evaluation of aonla varieties for chavanprash processing.	Dr. P.B. Parmar	2007
42.	Kale Prakash R.	Effect of preharvest sprays of calcium chloride and calcium nitrate on self life and qualities of mango fruits cv. Kesar as well as Alphoso.	Dr. A.G. Naik	2008
43.	Santosh kumar Meena	Standardization of mixed fruit chutney technology based on sapota fruits	Dr. B.R. Parmar	2008
44.	Deshmukh U. B.	Study on pre cooling treatments in sapota fruits for extending ripening process cv. Kalipatti.	Dr. B.R. Parmar	2008
45.	Sumersingh Rajpurohit	Influence of pre-drying treatments and drying methods on different recepies of aonla (<i>Emblca officinalis Gaertn</i>) products preparation.	Dr. B.R. Parmar	2009
46.	Chaudhari Nainesh Natvarlal	Storage of mango (<i>Magnifera indica</i>) cv. kesar treated with calcium chloride after harvest at different maturity stages.	Dr. N. I. Shah	2009
47.	Limbani Jayesh M.	Effect of different methods and media on seed nut germination & seedling growth of coconut west coast tall in situ and poly bag.	Dr. C. B. Patel	2009
48.	Sondarva	Influence of pre-harvest application of	Dr. N. I.	2010

	Nayan R.	different plant growth regulators on fruit retention maturity and quality of mango (<i>Magnifera indica</i> L.) cv. Kesar	Shah	
49.	Patel Nilam R.	Evaluation of mango (<i>Magnifera indica</i>) varieties for nectar product processing	Dr. A.G. Naik	2011
50.	Solanki Pusparaj D.	Studies on flowering and fruiting behavior of different varieties of cashew in south Gujarat.	Dr. N. I. Shah	2011
51.	Mahant Himansu D.	Intercropping studies in banana (<i>Musa Paradisiana</i> L.) cv. "Grand Naine" under drip irrigation.	Dr. Sagar Patil	2011
52.	Patel Bhavesh.B.	Influence of different vegetative propagation methods and root stocks for cashew graft cv. Vengrula in south Gujarat.	Dr. N. I. Shah	2011
53.	Mehida Bijendra M.	Influence of different media and variety on growth of cashew root stock.	Dr. N. I. Shah	2011

Thesis on Vegetable Crops

Sr. No	Name of Student	Title	Name of Guide	Year
54.	S.I. Saiyad	Effect of nitrogen, phosphorus and potash on growth and yield of Okra (<i>Abelmoschus esculentus</i> L.)	Dr. S.C.P. Sachan	1981
55.	M.N. Patel	Effect of N,P and K on growth, yield and quality of brinjal (<i>Solanum melongena</i> L.) Var. Ravaiya.	Dr. S.C.P. Sachan	1981
56.	M.V. Ramdevputra	Effect of different levels of fertilizers on growth, yield, quality and nutrient uptake of cabbage (<i>Brassica oleracea</i> var. <i>capitata</i> f. <i>alba</i>).	Dr. J.S. Katrodiya	1982
57.	R.R. Virdiya	Effect of growth regulators on growth, yield and quality of tomato (<i>Lycopersicon esculantum</i> Mill.) Cv. Pusa Ruby.	Dr. J.S. Katrodiya	1982
58.	M.M. Desai	Studies on early cauliflower seed production (<i>Brassica oleracea</i> Var. <i>botrytis</i> L.) Cv. Early Kunwari under sub - humid tropics of south Gujarat.	Dr. S.C.P. Sachan	1982
59.	A.G. Naik	Effect of nitrogen and potash on growth, yield and quality of Tomato (<i>Lycopersicon esculentum</i> Mill.) Cv. Junagadh Big Round in black soil of south Gujarat.	Dr. J.S. Katrodiya	1983
60.	K.R. Patel	Effect of dates of planting on growth, yield and quality of Surti Ravaiya brinjal.	Dr. B.S. Chundawat	1983
61.	N.D. Patel	Effect of growth regulators on growth and sex expression and yield of Bottle Gourd (<i>Lagenaria siceraria</i> Mol. Standl.) Cv. Junagadh Tender Long.	Dr. J.S. Katrodiya	1983
62.	Dr.J.R. Desai	Effect of growth regulators on growth and sex expression and yield and quality of Muskmelon	Dr. S.C.P.	1983

		(<i>Cucumis melo</i> . L.) Cv. Hara Madhu under South Gujarat condition.	Sachan	
63.	J.H. Saravya	Effect of urea and growth regulators on growth, sex expression and yield of Bittergourd (<i>Momordica charantia</i> L.) Cv. Surti under different plant population densities per hill.	Dr. S.C.P. Sachan	1984
64.	C.B. Patel	Effect of plant growth regulators on growth, yield and quality of onion (<i>Allium cepa</i> L.) Cv. Pusa Red under south Gujarat condition.	Dr. S.C.P. Sachan	1985
65.	S.N. Sarvaiya	Effect of nitrogen level and it's mode of top density on growth yield and nutrient uptake in cabbage.	Dr. J.S. Katrodiya	1985
66.	B.V. Padhiyar	Effect of some chemicals and plant growth substances on seed production of cauliflower (<i>Brassica oleracea</i> Var. botrytis L.) Cv. Early Kunwari under sub - humid tropics of south Gujarat.	Dr. S.C.P. Sachan	1985
67.	G.L. Patel	Effect of spacing and nitrogen on the growth, yield and quality of watermelon (<i>Citrulus lanatus</i> Thunbs Mansi) Cv. Sugar Baby under South Gujarat condition.	Dr. S.C.P. Sachan	1986
68.	K.B. Gohil	Effect of plant regulators on growth, yield and quality of Tomato (<i>Lycopersicon esculentum</i> Mill.) Cv. Pusa Ruby.	Dr. B.M. Patel	1987
69.	N.R. Ray	Effect of plant density and nitrogen levels on growth, yield and quality of onion Cv. Pusa Red under south Gujarat condition.	Dr. J.S. Katrodiya	1988
70.	V.R. Shikhaliya	Floral biology and fruit set in Spine gourd (<i>Momordica dioica</i> Roxb.)	Dr. S.C.P. Sachan	1988

71.	J.H. Vaghani	Influence of plant density and nitrogen levels on growth, yield and quality of Bottle gourd (<i>Lagenaria siceraria</i> Mol. Standi.) Cv. Pattiwali in S.G. conditions.	Dr. B.M. Patel	1989
72.	M.L. Mehta	Floral biology and fruit set in Pointed gourd (<i>Trichosanthes dioica</i> Roxb.)	Dr. S.C.P. Sachan	1989
73.	S.Y. Patel	Hybrid vigour studies in Bottle gourd <i>Lagenaria siceraria</i> Mol. Standi.) .	Dr. S.C.P. Sachan	1989
74.	A.H. Patel	Effect of nitrogen levels on growth yield and quality of onion Cv. Pusa Red under south Gujarat conditions.	Dr. S.C.P. Sachan	1990
75.	R.H. Patel	Hybrid vigour studies in Okra(<i>Abelmoschus esculentus</i> L.)	Dr. S.C.P. Sachan	1989
76.	N.S. Parekh	Effect of different levels of spacing and nitrogen on growth, yield and quality of Bittergourd (<i>Momordica charantia</i> L.) Cv. Surti Local under S.G. conditions.	Dr. H.P. Bhuva	1990
77.	D. V. Barot	Hybrid vigor studies in bitter gourd (<i>Momordica charantia</i> L.)	Dr. S.C.P. Sachan	1990
78.	H.H. Sitapara	Effect of different levels of spacing and nitrogen on seed production of Okra (<i>Abelmoschus esculentus</i> L.) Cv. Parbhani Kranti under S. G. conditions.	Dr. H.P. Bhuva	1990
79.	R.K. Vadukiya	Influence of spacing and nitrogen on growth, yield and quality of radish (<i>Raphanus sativus</i> L.) Cv. Pusa Chetki.	Dr. B.M. Patel	1991
80.	L.B. Bambhaniya	Response of Cabbage (<i>Brassica oleracea</i> Var. <i>capitata</i> F. <i>alba</i>) varieties to different spacing	Dr. S.K. Dave	1991

		under S.G. conditions.		
81.	A.K. Patel	Hybrid vigour studies in Ridge gourd (<i>Luffa acutangula</i> Roxb.)	Dr. S.C.P. Sachan	1991
82.	S.P. Patel	Response of Cauliflower (<i>Brassica oleracea</i> Var. botrytis Cv. PSBK-1 to nitrogen and phosphorus with and without sulphur.	Dr. S.C.P. Sachan	1991
83.	G.P. Suvagiya	Response of green pod and seed yield of summer Clusterbean (<i>Cyamopsis tetragonoloba</i> L.)Cv. Pusa Navbahar to varying levels of phosphorus under S.G. conditions.	Dr. H.P. Bhuva	1991
84.	Atul K. Patel	Assessment of the effectiveness of MH and NAA on growth, sex behaviour and yield of Bottle gourd (<i>Lagenaria siceraria</i> Mol. Standi.) Cv. Pattiwali.	Dr. B.M. Patel	1992
85.	A.N. Patel	Effect of plant population and levels of nitrogen on fruit production of summer Okra (<i>Abelmoschus esculentus</i> L.) Cv. Parbhani Kranti under S. G. conditions.	Dr. B.M. Patel	1992
86.	N.H. Devmurai	Response of Ridge gourd (<i>Luffa acutangula</i> L. Roxb.) Cv. Pusa Nasdar to varying levels of nitrogenous fertilizer and spacing.	Dr. S.C.P. Sachan	1992
87.	J.S. Patel	Effect of plant growth regulators on growth, yield and quality of tomato (<i>Lycopersicon esculentum</i> Mill.) Cv. Marutham and brinjal (<i>Solanum melongena</i> L.) Cv. Surati Ravaiya.	Dr. S.K. Dave	1993
88.	G.M. Borad	Effect of different intercrops on growth, yield and economics of Bottel gourd (<i>Lagenaria siceraria</i> Mol standl) Cv. Varad under S.G. conditions.	Dr. S.C.P. Sachan	1993
89.	N.G.	Effect of NAA, CCC, and Ethrel on plant growth and yield of sweet Pepper (<i>Capsicum annum</i> L.) Cv.	Dr. S.C.P.	1993

	Lunagariya	California Wonder.	Sachan	
90.	D.D. Raghavani	Effect of different levels nitrogen and number of pickings of green pods on seed yield of okra Cv. Punjab - 7 under south Gujarat condition.	Dr. S.C.P. Sachan	1994
91.	M.B. Sevale	Seed production studies in radish (<i>Raphanus sativus</i> L.) Cv. Pusa Chetki under S.G. conditions.	Dr. S.C.P. Sachan	1994
92.	D.A. Gohil	Effect of different intercrops on growth, yield and economics of bitter gourd (<i>Momordica charantia</i> L.) Cv. Surati Local under S.G. conditions.	Dr. H.P. Bhuva	1995
93.	B.P. Patel	Effect of different intercrops on growth, yield and economics of tomato (<i>Lycopersicon esculentum</i> Mill.) Cv. Pusa Ruby under S. G. conditions.	Dr. H.P. Bhuva	1996
94.	C.M. Patel	Effect of spacing and fertilizers on growth and yield of Cowpea [<i>Vigna unguiculata</i> (L.) Walp] Cv. Pusa Phalguni.	Dr. C. K. Dixit	1998
95.	M.D. Vashi	Effect of level of nitrogen, bulb size and depth of bulb planting on growth, seed yield and seed quality of Onion (<i>Allium cepa</i> L.) Cv. Talala Red.	Dr. N.L. Patel	1998
96.	K.V. Patel	Effect of plant growth regulators on growth and yield of Okra (<i>Abelmoschus esculentus</i> L.) Cv. Parbhani Kranti .	Dr. N.L. Patel	1998
97.	M.A. Parmar	Effect of plant growth regulators on growth, sex behaviour and yield of Water melon [<i>Citrullus lanatas</i> (Thunbs) Mansf] Cv. Sugar Baby.	Dr. C.K. Dixit	1998
98.	P. Suman Babu	Effect of mulches and plant growth regulators on growth, sex expression and yield of Watermelon.	Dr. R.I. Bhatt	1999

		Cv. Sugar Baby under S.G. Condition.		
99.	S. A. Hiray	Effect of nitrogen levels, spacing and planting dates on the growth, yield and quality of Onion bulbs (<i>Allium cepa</i> L.) Cv. N- 53 under heavy rainfall zone-I of S.G. conditions.	Dr. R.I. Bhatt	2001
100.	A.R. Wakhre	To study the effect of different planting methods, spacing and nitrogen levels on growth, yield and quality of Turmeric (<i>Curcuma longa</i> L.) Cv. Kesar.	Dr. R.I. Bhatt	2001
101.	S.N. Desai	Effect of planting dates and fertilizer levels on growth and yield of Sweet potato(<i>Ipomoea batatas</i>) Cv. Collection- 71	Dr. R.I. Bhatt	2001
102.	A.P. Modha	Effect of different planting dates, spacing and nitrogen levels on growth, yield and quality of cabbage.	Dr. R.I. Bhatt	2002
103.	Kachcha P.T.	Effect of plant growth substances on growth, sex-expression and yield of summer grown bitter gourd Cv. Priya.	Dr. B.V. Padhiyar	2005
104.	Desai K.D.	Effect of growth retardants on growth, sex-expression and yield of bottle gourd under sub humid tropics of South Gujarat.	Dr. M.M.Desai	2005
105.	Rathore Rajendra singh	Effect of foliar spray of Gibbrelic acid and boron on growth, yield and quality of cabbage Cv. Golden Acre.	Dr. P. B. Parmar	2005
106.	Patel A.M.	Effect of plant density, levels of nitrogen and phosphorus on growth, yield and quality of tomato Cv. G.T.	Dr. B.N. Patel	2005
107.	Jadav G.M.	Role of plant growth regulators on growth, yield and quality of tomato Cv. Pusa Ruby.	Dr. R. C. Patel	2006

108.	Kurmur A.M.	Effect of NAA, 2, 4-D and KNo ₃ on growth, yield and quality of turmeric Cv. Sugandham.	Dr. B.V. Padhiyar	2006
109.	Choudhary Shakti Singh	Response of foliar spray of nitrogen and zinc on growth, yield and quality of cauliflower Cv. Snowball - 16.	Dr. P. B. Parmar	2006
110.	Chauhan U.M.	Effect of plant growth regulators on growth, yield and quality of cabbage Cv. Golden Acre.	Dr. R. C. Patel	2006
111.	Naik V.M.	Effect of tri contanol , NAA and GA ₃ on growth and yield of Indian bean Cv.Navsari Papdi selection - 1.	Dr. B.V. Padhiyar	2006
112.	Parmar M.V.	Effect of plant growth regulators on growth and yield of sweet pepper Cv. Heera.	Dr. B.V. Padhiyar	2007
113.	Pateliya C. K.	Effect of different growth retardants on growth, yield and quality of okra Cv. GO- 2 South Gujarat condition.	Dr. B. R. Parmar	2007
114.	Jadhav D.K.	Effect of nitrogen,phosphorus and Rhizobium inoculation on growth and seed yield of cowpea cv.Pasa Phalguni.	Dr. B.N. Patel	2007
115.	Patel S.J.	Effect of biofertilizer and different levels of nitrogen on growth, yield and quality of tomato cv. GT-2.	Dr. R.C. Patel	2007
116.	Gajjar C.B.	Effect of growth retardants on growth, sex expression and yield of cucumber cv. Gujarat Cucumber-1.	Dr. B.N. Patel	2007
117.	Solanki M.P.	Effect of biofertilizers on growth, yield and quality of brinjal cv. Surti ravaiya.	Dr. B.N. Patel	2007
118.	Khant Y.M.	Effect of pactabutazol on growth, sex expression and yield of ridge gourd varieties Pusa Nasdar and	Dr. B.N. Patel	2007

		Local.		
119.	Mahida Shailendrasin h V.	Effect of plant growth regulator on the growth, sex expression and yield of spine gourd. cv. Pusa Chikni	Dr. R. Z. Valia	2008
120.	Patil Pankaj D.	Effect of storage and packaging materials on shelf life of bottle gourd (<i>Lagnaria siceraia</i> L.) cv. Pusa Navin	Dr. B. R. Parmar	2008
121.	Ghadge H. K.	Effect of cold storage temperature, wrapping materials and duration of post harvest life of spinach (<i>Beta vulgaris</i> L)	Dr. B. R. Parmar	2008
122.	Parmar Manish K.	Effect of chemical fertilizers and biofertilizer on growth, yield and quality of cucumber cv. Gujarat cucumber -1.	Dr. B. N. Patel	2009
123.	Mohd. Tareque Anees	Influence of integrated Nutrient management on growth, yield and quality of garlic cv. GG-1	Dr. J. D. Desai	2009
124.	Maheriya Pankaj A.	Effect of land configuration and integrated nutrient management of growth, yield and quality of radish. cv. Pusa chetki.	Dr. A. G. Naik	2009
125.	Patel Bhaumik Vitthalbhai	Performance of cowpea varieties (<i>Vigna unguiculata</i> L. Walp.) under south Gujarat condition.	Dr. B. R. Parmar	2010
126.	Patel Nilamben Ratilal	Evaluation of mango (<i>Mangifera indica</i>) varieties for nectar product processing	Dr. A. G. Naik	2011
127.	Kotadia Hiren Ramji	Influence of different growing conditions on yield of leafy vegetables during summer season.	Dr.Sagar Patil	2011

Thesis on Flower Crops

Sr. No	Name of Student	Title of the Thesis.	Name of Guide	Year
128.	U. B. Patel	Effect of pruning time on growth and cut flower production in different varieties of Rose (<i>Rosa hybrida</i> L.) under S.G. conditions.	Dr. J.S. Katrodia	1989
129.	N.B. Patel	Effect of dates of budding and in Vitro propagation on survival and growth of Rose (<i>Rosa hybrida</i> L.)	Dr. J.S. Katrodia	1989
130.	N.C. Pancholi	Effect of plant growth regulators on rooting of cutting in Bottle brush.	Dr. D.L. Joshi	1989
131.	M.V. Tosar	Effect of spacing with different levels of nitrogen on growth and flower production of <i>Gaillardia</i> Cv. <i>Lorenziana</i> .	Dr. D.L. Joshi	1989
132.	K.R. Patel	Effect of plant growth regulators on growth, flowering and flower yield of Marigold Cv. <i>Lemon</i> .	Dr. D.L. Joshi	1989
133.	R.F. Avari	Effect of spacing and nitrogen levels on growth, flowering and yield of African Marigold (<i>Tagetes erecta</i> L.) Cv. <i>Lemon</i> in S.G. conditions.	Dr. B.M. Patel	1990
134.	H.D. Padsumbiya	Effect of plant propagules and plant growth regulators on rooting of cuttings in African marigold	Dr. S.K. Dave	1991
135.	M.J. Patel	Effect of Auxins on rooting of cutting in <i>Ixora</i> (<i>Ixora coccinea</i> L.)	Dr. S.K. Dave	1992
136.	A.B. Patel	Response of African Marigold Cv. <i>Orange</i> to seedling age, planting time and pinching.	Dr. S.K. Dave	1995
137.	K.V. Chauhan	Effect of certain chemical substances on vase life and quality of tuberose spikes Cv. <i>Single</i> and <i>Double</i> .	Dr. P.B. Parmar	1996

138.	K.V. Prajapati`	The response of French Marigold Var. 'Bonita Double Nain' to different levels of nitrogen and spacing on the growth and flower production.	Dr. P.B. Parmar	1996
139.	N.S. Rao	Studies on post harvest life of cut Roses Cvs. Super Star and Gladiator.	Dr. S.K. Dave	1997
140.	S.R. Nair	Effect of plant growth regulators on growth, flowering and flower yield of annual Chrysanthemum Cv. Local White.	Dr. P.B. Parmar	1997
141.	S.L. Patel	Effect of plant growth regulators on growth, flowering and flower yield of annual Gaillardia Var. Lorenziana.	Dr. P.B. Parmar	1998
142.	F.K. Modh	Micro propagation of Gerbera Cv. Atella.	Dr. B.K. Dhaduk	1998
143.	J.K. Patel	Effect of plant growth regulators on vegetative and reproductive growth of French Marigold var. Local.	Dr. S.K. Dave	1998
144.	B.N. Karawadia	Effect of spacing and nitrogen levels on growth and flower production of annual Chrysanthemum Cv. Local White.	Dr. B.K. Dhaduk	1998
145.	S.B. Kachhadia	Influence of certain chemicals in the vase life of cut Gladiolus Cv. Jester and Trades Horn.	Dr. Dr.S.K. Dave	1998
146.	P.P. Patel	Effect of plant growth substances on growth, flowering and yield of Chrysanthemum (<i>Chrysanthemum indicum</i> L.) Var. Local White.	Dr. C.K. Dixit	1998
147.	P.P. Pansuria	Extension of vase life of chrysanthemum flower by the use of different chemicals Cv. Local White.	Dr. J.R. Desai	1998
148.	B.P. Sodha	Effect of different spacing and nitrogen levels on growth and flower production of Golden Rod (<i>Solidago candensis</i> L.)	Dr. B.K. Dhaduk	1998

149.	N.K. Patil	Effect of plant growth regulators on growth, yield and quality of Rose (<i>Rosa damascena</i> L.) Cv. Local Red.	Dr. B. N. Patel	1999
150.	T.M. Gamit	Effect of different spacing and nitrogen levels on growth and flower production of Chrysanthemum Cv. Local White.	Dr. P.B. Parmar	2000
151.	C.G. Patel	Effect of plant growth regulators on growth, flowering and flower yield of perennial Michaelmas Daisy (<i>Aster amellus</i> L.) Cv. Blue lavender.	Dr. P.B. Parmar	2000
152.	D.N. Patel	Effect of plant density and fertilizers on flower production of African Marigold (<i>Tagetes erecta</i> L.) Cv. Pusa Narangi Gainda. Under South Gujarat condition.	Dr. J.R. Desai	2001
153.	A.P. Patel	Effect of nitrogen levels and spacing on growth and yield of Gladiolus Cv. Rose Supreme under S.G. condition.	Dr. P.B. Parmar	2001
154.	V.S. Chaudhari	Effect of nitrogen and phosphorus on growth and flower production of African marigold Var. Giant Local	Dr. J.R. Desai	2001
155.	M.A. Patel	Rooting studies in <i>Jasminum sambac</i> Ait. Cv. Double Mogra by cutting with the aid of Indole Butyric Acid (IBA).	Dr. J.R. Desai	2001
156.	H.N. Pavagadhi	Effect of plant growth regulators on growth and flower production of golden rod.	Dr. P.B. Parmar	2001
157.	Jashbir Singh	Effect of plant growth substances on growth, flowering and yield of chrysanthemum Cv. Local White.	Dr. M.M. Desai	2001
158.	M.M. Patel	Diagnostic survey and appraisal of existing cultivation practices of flower crops under South	Dr. J.R. Desai	2001

		Gujarat condition.		
159.	N.V. Patel	Effect of growth retardents on growth and flower production of African Marigold (<i>Tagetes erecta</i> L.) Cv. Pusa Basanti Gainda. Under South Gujarat condition.	Dr. M.M. Desai	2001
160.	Manish Kumar Sharma.	Effect of nitrogen levels and planting dates on growth, yield and quality of <i>Gaillardia (Gaillardia pulchella</i> Fouger) Cv. Yellow Double.	Dr. P.B. Parmar	2002
161.	Galgate V.S.	Effect of corm size and ethrel on growth, flowering , corm and cormels production in gladiolus Cv. Sancerree	Dr. J.R. Desai	2003
162.	Memam M.A.	Influence of plant density and nitrogen on growth and flowering and effect of chemical on post harvest life of jasmine Cv. Local	Dr. J.R. Desai	2003
163.	Ubnare Khemlata	Effect of different chemical substances on vase life of gerbera Cv. Ornella in three different growing seasons.	Dr. P.B. Parmar	2003
164.	Dabhi K.M.	Effect of different stalk lengths and certain chemical substances on vase life of gerbera Cv. Savana Red.	Dr. M.M. Desai	2003
165.	Mann V.J.	Influence of paclobutrazol on growth and flowering of African marigold Cv. Pusa Narangi Gainda.	Dr. J.R. Desai	2003
166.	Rathi S.S.	Influence of bio-inoculants with graded doses of nitrogen on African marigold.	Dr. P.B. Parmar	2004
167.	Patel H.J.	Effect of paclobutrazol on growth, flowering and flower yield of perennial michaelmas daisy Cv. Blue Levonder.	Dr. M.M. Desai	2004
168.	Bhatt D.J.	Diagnostic survey and appraisal of existing	Dr. M.M. Desai	2004

		cultivation practices of rose under South Gujarat conditions.		
169.	Patel N.M.	Influence of chemical fertilizer on growth, flowering, and corm and cormel production of gladiolus Var. Sancerree under South Gujarat Conditions.	Dr. J.R. Desai	2004
170.	Parmar C. M.	Influence of paclobutrazol on growth and flowering of potted chrysanthemum Cv. Local White	Dr. J.R. Desai	2005
171.	Parmveer Singh	Influence of PGR on growth and flowering of tuberose C. Single.	Dr. J.R. Desai	2005
172.	Patel C.N.	Effect of growth regulators on quality and flower production of golden rod Cv. Local Yellow.	Dr. M.M. Desai	2005
173.	Aklade S.A.	Effect of planting environment, media and type of cuttings on propagation of rose Var. Local Red.	Dr. B.N. Patel	2005
174.	Patel K.A.	Influence of organic manures and chemical fertilizers on growth and flower production in golden rod Cv. Local Yellow under South Gujarat conditions.	Dr. J.R. Desai	2005
175.	Parmar V.P.	To study the effect of paclobutrazol and cycocel on growth and flowering of annual chrysanthemum Cv. Local White.	Dr. J.R. Desai	2006
176.	Ahir M.P.	Rooting studies in hibiscus by air layering with the aid of IBA, NAA and different coloured polythene.	Dr. B.R. Parmar	2006
177.	Hirpara D.V.	Effect of IBA and NAA on vegetative propagation of jasmine Cv. Paras through semi hard wood cutting.	Dr. B.R. Parmar	2006
178.	Pathan A.I.	Effect of growth substances on growth, flowering and flower yield of Chrysanthemum Cv. Local White.	Dr. P.B. Parmar	2006

179.	Pawar S.S.	Comparative study of various chemicals with stalk length on vase life of rose Cv. Gladiator.	Dr. A.G. Naik	2006
180.	Patel R.B.	To study the effect of certain chemicals on vase life of rose flower Cv. First Red cultivated in green house.	Dr. B.R. Parmar	2006
181.	Bhayani H. N.	Evaluation of gerbera varieties in low cost polyhouse under South Gujarat conditions.	Dr. B.R. Parmar	2006
182.	Zala P.B.	Effect of different chemical substances on vase life of golden rod.	Dr. R.Z. Valia	2006
183.	Anjana Patel J.G.	Extension of vase life of gerbera by the use of different chemicals Cv. Bora Bora.	Dr. R.Z. Valia	2007
184.	Patel N.K.	Growth and yield performance of chrysanthemum varieties under varying levels of nitrogen.	Dr. P.B. Parmar	2007
185.	Pathak P.H.	Studies on dehydration of chrysanthemum cv. Yellow Button Type.	Dr. P.B. Parmar	2007
186.	Parmar N.A.	Response of biofertilizer and nitrogenous fertilizers on growth, flower yield and quality of china aster under South Gujarat conditions.	Dr. P.B. Parmar	2007
187.	Patel P.R.	Effect of nitrogen and vermicompost application on floral characters and yield of African marigold cv. Sierra Yellow.	Dr. R.Z. Vallia	2008
188.	Dohatonde Nandkishor B.	Effect of cytokinins and gibberellins on vegetative growth, flowering and yield of corms in <i>Gladiolus</i> cv. American Beauty by soaking treatment.	Dr. B.K. Dhaduk	2009
189.	Patel Vipulkumar B.	Effect of different plant growth regulators on vegetative propagation of bogainvillea (<i>Bogainvillea peruviana</i>) var. Touch glory through Hard wood cutting	Dr. B.R. Parmar	2009

190.	Pancholi Bhaumik Y.	Response of foliar spray of urea and growth regulators on growth and flowering of Anthurium cv. Coral and patino in shade net house.	Dr. J. R. Desai	2009
191.	Patel Nandita A.	Dehydration technique for ornamental foliage	Dr. Sagar Patil	2009
192.	Dani Krunal N.	Effect of growth retardants on flowering and yield of African Marigold (<i>Tagetes erecta</i> L.) cv. Double orange under south Gujarat conditions.	Dr. Sagar Patil	2009
193.	Ganvit Tushar R.	Effect of cold storage temperature wrapping materials and duration on post-harvest life of gerbera (<i>Gerbera jamesonii</i> Hook.)	Dr.R.Z. Vallia	2010
194.	Desai G. B.	Studies on post harvest of cut gerbera	Dr. Sagar Patil	2011
195.	Dhuda Hansha B.	Influence of different chemicals on the vase life of cut carnation flower red domingo and sakira.	Dr. B. R. Parmar	2011
196.	Bhavya Bandi	Effect of plant growth regulator on shoot and root growth in endangered medicinal plant guggal .	Dr. B. R. Parmar	2011
197.	Yadav Rajshri R.	Effect of different spike length and chemical on vase life of cut carnation flower cv. Res Domingo	Dr. Sagar Patil	2011
1.	Patel Pratik C.	Bio efficacy of plant growth regulator and bio stimulant on propagation of <i>Mussaenda</i> pink.	Dr. B. R. Parmar	2011

List of Ph.D. Students obtained degree from department of horticulture, N. M. College of Agriculture, NAU, Navsari (during 1976-2013)

Sr. No	Name of student	Title of Thesis	Name of Guide	Year
1	D.V. R. Rao	Chemical regulation of ripening in Basrai and Lacatan Banana at ambient temperature.	Dr. B.S.Chundawat	1982
2	H.D. Amin	Investigations on growth pattern, flowering and fruiting in Mango (<i>Mangifera indica</i> L.)	Dr. B.S.Chundawat	1984
3	S.K. Dave	A study on the nutritional requirements of Banana (<i>Musa paradisiaca</i> L.) Cv. Basrai under S.G. conditions.	Dr. J.S.Katrodiya	1987
4	H.P. Bhuva	Studies on the effect of different levels of moisture regime and nutrient on growth, yield and quality of Sapota (<i>Achras sapota</i> L.) Cv. Kalipatti under S.G. conditions.	Dr. J.S.Katrodiya	1987
5	R.I. Bhatt	Studies on heterosis, combining ability and inheritance of quantitative characters in Muskmelon (<i>Cucumis melo</i> L.)	Dr. J.S. Katrodia	1988
6	R. I. Bhatt	Studies on heteriosis, combing ability and inheritance of quantitative characters in musk melon	Dr. B.S.Chundawat	1990
7	A.G. Naik	Evaluation of Amla (<i>Emblica officinalis</i> Gaertn.) varieties for product processing.	Dr. B.S.Chundawat	1992
8	P.B. Parmar	Standardization of cultivation practices in tuberose cv. Double	Dr. B.S.Chundawat	1992
9	M.M. Desai	Regulation of flowering in mango (<i>Mangifera indica</i> L) Cv. Alphonso.	Dr. B.S.Chundawat	1993
10	B. J. Zankat	Response of nitrogen and phosphorus to different sowing in growth, yield and quality and nutrient uptake to radish var. Pusa chetaki	Dr. B.M. Patel	1993

11	A. V. Barad	Gerplasm evaluation viability, heterosis, combining ability and indices mutation studies to African marigold and French marigold	Dr. S. P. Sachan	1993
12	A.K. Babilatha	In Vitro Propagation studies on Banana and Papaya.	Dr. Dr.B.M. Patel	1993
13	A.B. patel	Studies on maturity standards and post - harvest handling of sapota (<i>Manilkara achras</i>) fruits Cv. Kalipatti.	Dr. J.S. Katrodiya	1993
14	B.M. Kapse	An Integrated Approach to postharvest handling of Mango (<i>Mangifera indica</i> L.) Cv. Kesar.	Dr. J.S. Katrodiya	1994
15	J. R. Desai	Diagnostic survey and appraisal of existing agro-forestry and farming practices of valsad districts	Dr. J.S. Katrodiya	1994
16	P.K. Kapadiya	Effect of different treatments on quality of coconut (<i>Cocos nucifera</i> L.) seedlings.	Dr. J.S. Katrodiya	1995
17	K.B. Jagtap	Investigation on chemical regulation and postharvest handling of Sapota (<i>Manilkara achras</i> (Mill)) fruits Cv. Kalipatti.	Dr. J.S. Katrodiya	1995
18	N.I. Shah	Effect of grading, pre - cooling and calcium application on shelf - life of sapota (<i>Manilkara achras</i> (Mill.) Forsberg) fruits Cv. Kalipatti.	Dr. B.M. Patel	1995
19	D. R. Bhanderi	Studies on heterosis, combining ability and inheritance of quantitative characters in water melon.	Dr. S. P. Sachan	1995
20	R.F. Avari	Product development from Banana fruit of Cv. Basrai [<i>Musa spp.</i> (AAA)]	Dr. B.S.Chundawat	1996
21	Vinodkumar Wali	In Vitro propagation studies on guava (<i>Psidium guajava</i> L) Cv. Sardar.	Dr. B.M. Patel	1996
22	Ravi Kher	Growth, nutritional and flowering in Kesar and Totapuri cultivar of Mango (<i>Mangifera indica</i> L.).	Dr. B.M. Patel	1996
23	R.A. Desai	In Vitro propagation studies on Citrus- Acid Lime and Mango Cv. Kesar.	Dr. B.M. Patel	1998
24	S.N. Vaghani	Standardization of steeping preservation technology of Sapota (<i>Manilkara achras</i> (Mill) Fosberg) fruit slices of Cv. Kalipatti.	Dr. B.S.Chundawat	1998

25	K.V. Kalathiya	Diagnostic survey study of Coconut (<i>Cocos nucifera</i> L.) for cultural practices and economics in Valsad district (South Gujarat).	Dr. S. K. Dave	1998
26	M.J. Patel	Heterosi, combining ability and phenotypic stability analysis in Okra (<i>Abelmoschus esculentus</i> L.)	Dr. B.M. Patel	1998
27	S.K. Gautam	Standardization of osmo - dehydration and packing technology of Sapota (<i>Manilkara achras</i> (Mill)	Dr. B.S.Chundawat	1999
28	B.V. Padhiyar	Use of Paclobutrazol (Cultar) in Mango	Dr. B.M. Patel	2000
29	R. L. Patel	Diagnostic survey for cultivation practices and studies on nutrient management in spider lily.	Dr. B.S.Chundawat	2001
30	K. V. Prajapati	Effect of plant population and phosphorus management on the growth nutrient uptake, yield and quality of vegetable clusterbean cv. Pusa Naubahar	Dr. C. K. Dixit	2002
31	P. M. Vaghasiya	Performance brinjal (<i>Solanum melongena</i>) under saline water use through micro irrigation with and without mulch in south Gujarat.	Dr. C. K. Dixit	2002
32	B.R. Parmar	Diagnostic survey of cultivation practices, with emphasis on nutrition of Sapota (<i>Manilkara achras</i>)	Dr. B.S.Chundawat	2002
33	K.K. Deshmukh	Studies on growth, nutritional status and flowering behavior in Alphonso, Dasherri and Rajapuri cultivars of mango.	Dr. B.M. Patel	2002
34	Sarvaiya S.N.	Integrated nutrient managemnt (INM) for brinjal cv. Surati Raviya	Dr. B.M. Patel	2005
35	Patil Sagar	Flower production of Hybrid Tea rose(<i>Rosa hybrida</i> L.) cv. Gladiator under protected cultivation	Dr. N. L. Patel	2006
36	Gaikwad S.S.	Effect of planting date and GA ₃ on growth, yield and quality of golden rode (<i>Solidago canadensis</i> L.) cv. Local yellow	Dr. P.B. Parmar	2006
37	Patel M. M.	Effect of nitrogen, phosphorus and spacing on growth and flowering in tuberose cv. Single	Dr. P.B. Parmar	2006

38	Patel C. B.	Nitrogen management in banana (<i>Musa paradisa</i> L.) cv Basari through drip under pair row method of planting	Dr. B.M. Patel	2006
39	Patel A. P.	Integrated nutrient management (INM) for okra (<i>Abelmoschus esculentus</i> L. Moench) cv. Parbhani Kranti under south Gujarat condition.	Dr. P.B. Parmar	2006
40	Patel N. B.	Sustainable production of <i>In vitro</i> banana cv. Grand Naine using liquid media	Dr. P.B. Parmar	2007
41	Rathod Bipin	Genetic viability, correlation, path co-efficient and D ₂ analysis for morphological and biochemical parameters of mango fruits	Dr. A. G. Naik	2007
42	Vala K. V.	Study of growth, flowering behaviour, yield and quality of mango cv. Kesar	Dr. P.B. Parmar	2008
43	Panj F.G.	Standardization of growing media for gerbera (<i>Bolus Ex.</i> Hook F.) under protected condition.	Dr. P.B. Parmar	2008
44	Patel C. R.	Effect of FYM, Boron and Zinc on growth, yield and quality of water melon (<i>Citrullus lanatus</i> Thumb.)	Dr. N. L. Patel	2008
45	Patel A. N.	Integrated Nutirent Management in banana cv. Basrai under high density plantation.	Dr. P.B. Parmar	2009
46	Trivedi Y. V.	Studies on the feasibility of organic farming in guava (<i>Psidium guajava</i> L.) cvs Allahabad Safeda and Sardar.	Dr. N. L. Patel	2009
47	Tank R. V.	Fertization studies in Payaya (<i>Carica papaya</i> L.) var. Madhubindu under south Gujarat condtion.	Dr. N. L. Patel	2011
48	Desai K. D.	Effect of Spacing and growth retardants methods on growth, yield and qulaity of okra cv. Gujarat Okra-2	Dr. N. L. Patel	2012
49.	Manoj Yadav	Effect of irrigation and storage temperature on shelf life and quality of mango cvs. Kesar and alphonso.	Dr. N. L. Patel	2012
50.	S. Y. Patel	Effect of land configuration, soil conditioner and fertilizer on Greater Yam (<i>Dioscorea alata</i> L.)	Dr. N. L. Patel	2012

Note :- The university has resolved 2011-12 to transfer the post graduate teaching to the ASPEE College of Horticulture and Forestry, so after April-2012, students of master degree and doctoral degree guided by the departmental faculty members.

Students Guided By Faculty Members for ASPEE College Of Horticulture And Forestry, Navsari

THESIS IN VEGETABLE SCIENCE

1	Vijay Kalaria	Influence of plant growth regulators by seed treatment on growth, yield and yield of okra (<i>Abelmoschus esculentus</i> L.) cv. GAO-5	Dr. V.K. Parmar	2015
2.	Utsav V. Patel	"Genetic variability, correlation, path and D2 analysis in cowpea [<i>Vigna unguiculata</i> (L.) Walp.]"	Dr. V.K. Parmar	2016
3	Sagar Raj Nayak	Influence of pinching and plant growth regulators on morphological, physiological, floral and yield character of cucumber (<i>cucumis sativus</i>) under open field condition.	Dr. V.K. Parmar	2017
4.	Patel Atishkumar	Influence of pinching and plant growth regulators on growth, sex expression and yield of bottle gourd (<i>lagenaria siceraria</i>) under open field condition.	Dr. V.K. Parmar	2017
5	Goswami Rahul A.	Evaluation of sowing dates and varieties of vegetable amaranthus (<i>Amaranthus spp.</i>)	Dr. V.K. Parmar	2018

4. Publications

The faculties has prepared and published 29 research papers, 2 books , 2 books chapter, 19 popular articles and 1 research papers presented in Conference,.

i. Research Papers Published By Faculty Members

DR. VINAY K. PARMAR ASSOCIATE PROFESSOR , I/C PROFESSOR & HEAD

1	V. K. Parmar, K. I. Joshi, A. D. Patel, M. C. Joshi and V. K. Patel (2013) Yield and quality of tomato under different salinity levels	Bioinfolet Vol. 10, No.3
2	Pinakin Asodia, K. S. Patel and V. K. Parmar (2014) Input use, costs structure and return analysis in papaya orchard in S. K. District of north Gujarat	Green Farming, V-5, pp. 447-450
3	V. K. Patel, C. R. Patel, V. K. Parmar, P. D. Solanki and S. S. Sonavane (2014) Effect of certain post harvest treatments on physiological and biochemical changes and storage quality of guava (<i>Psidium guajava</i>) Cv. Allahabad Safeda and L-4 (2014)	Trends in Bioscience, V-7 (21) pp.3490-3495
4	Pinakin Sureshkumar Asodiya, Parth Asodiya, Rakesh Dhandhukiya, Vinay K. Parmar and Jayant K. Makadiya. Impact of Primary Agricultural Cooperative Societies' on farmer's Economy of Panchmahal District of Middle Gujarat, India (2014)	Journal of Agricultural Sciences V-6, pp. 195-203.
5	V. D. Kalariya, V. K. Parmar, N. M. Patel, and More Sanket (2016) Impact of seed treatment of plant growth regulators on seed germination and growth of	Multilogic in Science Vol. V, issue XV, pp.304-308

	okra (<i>Ablemoschus esculentus</i> L. Moench) Cv. GAO-5	
6	V. K. Parmar, N. M. Patel and V. K. Patel (2016) Effect of Cycocel on growth and yield of tomato under different salinity levels.	International Journal of Science, Environment Vol. 5 (2) :1492-1495
7	Patel U.V., Parmar V. K., Patel A.I., Jadhav, N. K., and Patel N.M. (2016) Genetic Variability and Heritability study in cowpea	Advances in life, science, 5(19):8636-8640
8	Patel, U.V., Parmar, V. K., Patel, P.B., and Malviya, A. V. (2016) Correlation and path analysis study in cowpea (<i>Vigna unguiculata</i> (L.) WALP.)	International Journal of Science, Environment Vol. 5 (6) :3897-3904
9	V. D. Kalariya, V. K. Parmar, Panchal Bhakti, P.M. Sankhla and S. G. Parekh (2016) Influence of PGR by seed treatments on yield and quality of okra Cv. GAO-5	Advances in life, science, 5(12):4949-4951
10	Hetal Vaghasiya, Nilima Karmakar and V.K. Parmar (2016) Biochemical and chemical analysis of beet root under salinity stress	International Journal of Science, Environment Vol. 5 (5) :2891-2895 Year-2016
11	M. B. Patel, R. K. Patel, K. G. Modha, G. D. Vadodariya and V. K. Parmar (2017) Genetic studies on fruit yield and yield attributes of brinjal (<i>Solanum melongena</i> L.)	Trends in Bioscience, Vol. 10(29) :6215-6219.
12	Patel A. N., Parmar, V. K. Nayak S. R. and Patel N. M. (2017). Influence of pinching and plant growth regulators on morphological and sex expression of bottle gourd (<i>Lagenaria siceraria</i> L.).	International Journal of chemical Studies, Vol. 5(4) :2035-2038
13	Nayak S. R., Parmar V. K., Patel A. N. Suchismita Jena and Patel N. M. (2018). Influence of pinching and plant growth regulators on morphological and physiological characters of cucumber (<i>Cucumis sativus</i>	International Journal of chemical Studies, Vol. 6(1) :1581-1583

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14	Nayak S. R., Parmar V. K. , Patel A. N. Suchismita Jena, Lathiya J. B. and Tandel Y. N. (2018). Efficacy of pinching and plant growth regulators in enhancing yield characters of cucumber (<i>Cucumis sativus</i> L.)	International Journal of chemical Studies, Vol. 6(1) :1804-1807.

PROF. N. M. PATEL ASSISTANT PROFESSOR

11	Patel Z. G.; Mehta S.C. and Patel N. M. , (1995) Effect of row spacing, nitrogen and phosphorus on dry matter production, yield and N, P uptake of unirrigated safflower in vertisol of south Gujarat.	J. Agri. Uni., 1995 21(1) :164-167
12	Patel,K.A.; Desai,J.R.; Sarvaiya S.N.; Patel,N.B and Patel, N.M. (2010) Integrated Influence of chemical fertilizers on growth, flowering, come and cormel production of <i>Gladiolus</i> cv. Sancerree under South Gujarat conditions	Int. J. Hort. June, 2010. Vol: 5, (1): 222-224.6 (1):253-258
13	Patel, N.M. ; Desai,J.R.; Sarvaiya S.N. and Patel,R.B. (2010) Influence of chemical fertilizers on growth,flowering, come and cormel production of <i>Gladiolus</i> cv. Sancerree under South Gujarat conditions.	Asian J. Hort. June, 2010. Vol: 5, (1): 123-126.
14	Sarvaiya S.N.; Patel,N.B.; Ahir,M.P.; Patel, N.M Desai,K.D.and Patel,J.B.(2010) Integrated nutrient management approach for Brinjal and other solanaceous vegetables.	Agriculture Reviews. June, 2010. Vol: 31, (2): 79-92.
15	Pancholil, B.Y.; Desai,J.R.; Sarvaiya S.N.; Patel,N.M. and Patel,R.B. (2010) Response of anthurium for foliar application of urea and growth regulators in shade net house.	Asian J. Hort. June, 2010. Vol: 5, (1): 203-207.

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17	Patel,A.R.; Sarvaiya S.N.; Patel,A.N.; Desai,K.D.; Patel, N.M Patel,J.B.(2010) Effect of micronutrients on yield and fruit quality of Banana cv.Basrai under pair row of planting method.	Asian J. Hort. June, 2010. Vol: 5, (1): 123-126.
18	V. D. Kalariya, V. K. Parmar, N. M. Patel , and More Sanket (2016) Impact of seed treatment of plant growth regulators on seed germination and growth of okra (<i>Ablemoschus esculentus</i> L. Moench) Cv. GAO-5	Multilogic in Science Vol. V, issue XV, pp.304-308
19	V. K. Parmar, N. M. Patel and V. K. Patel (2016) Effect of Cycocel on growth and yield of tomato under different salinity levels.	International Journal of Science, Environment Vol. 5 (2) :1492-1495
20	Patel U.V., Parmar V. K., Patel A.I., Jadhav, N. K., and Patel N.M. (2016) Genetic Variability and Heritability study in cowpea	Advances in life, science, 5(19):8636-8640
21	Patel A. N., Parmar, V. K. Nayak S. R. and Patel N. M. (2017). Influence of pinching and plant growth regulators on morphological and sex expression of bottle gourd (<i>Lagenaria siceraria</i> L.).	International Journal of chemical Studies, Vol. 5(4) :2035-2038
22	Nayak S. R., Parmar V. K., Patel A. N. Suchismita Jena and Patel N. M. (2018). Influence of pinching and plant growth regulators on morphological and physiological characters of cucumber (<i>Cucumis sativus</i> L.).	International Journal of chemical Studies, Vol. 6(1) :1581-1583

PROF. BHOOMIKA A. PATEL ASSISTANT PROFESSOR

21	B. L. Patel, Y. N. Tandel, Bhoomika Patel and A. S. Patel (2014). Effect of maturity days on shelf life and quality of mango cv. Kesar.	<i>Trends in Biosci.</i> , 7 (15): 1893-1896.
22	Bhoomika Patel , Y. N. Tandel, B. L. Patel and A. H. Patel (2015). Response of post harvest treatments on shelf-life and quality of mango cv. Kesar fruits.	<i>Multilogic in Sci.</i> , V (XII): 268-271.
23	A. S. Patel, Y. N. Tandel, B. L. Patel and Bhoomika Patel (2015). Alleviation of sap injury on mango fruits cv. Alphonso and Kesar during post harvest storage.	<i>Multilogic in Sci.</i> , V (XII): 260-264.
24	S. D. Patel, H. V. Pandya, S. M. Patel, J. A. Dahatonde, Bhoomika Patel , P. P. Dave and Y. N. Tandel (2015). Screening of tomato genotypes against fruit borer [(<i>Helicoverpa armigera</i> (Hubner))].	<i>Multilogic in Sci.</i> , IV (XII): 59-61.
25	Bhoomika Patel , Y. N. Tandel, B. L. Patel and A. H. Patel (2015). Effect of maturity stage, ethrel and cold storage on chilling injury and quality of mango cv. Kesar fruits.	<i>Multilogic in Sci.</i> , V (XIII): 85-87 .
26	Patel A. H., Tandel Y.N., Bhatt A. H., Parmar A. B. & Bhoomika Patel (2016) Effect of Nutrients and Thiourea on Yield and Quality of Mango cv. Kesar.	<i>Advance in Life Science</i> Vol. 5(2): 490-492.
27	Patel A. H., Tandel Y.N., Patel R.R., Bhatt A. H. & Bhoomika Patel (2016). Effect of nutrients and thiourea on economics of mango (<i>Mangifera indica</i> L.) cv. Kesar.	<i>International Journal of Science, Environment and Technology</i> Vol.5 (5): 3125-3129.
28	Bhoomika Patel. , Y.N. Tandel., A.H. Patel and B.L. Patel (2016). Chilling Injury In Tropical And Subtropical Fruits: A Cold Storage Problem And Its Remedies: A Review.	<i>International Journal of Science, Environment and Technology</i> 5 (4): 1882-1887.

PROF. SHEETAL JADHAV ASSISTANT PROFESSOR

27	Sheetal Jadhav and Chawla S. L. (2015). Effect of growth retardants on the pigment content of heliconia (<i>Heliconia psittacorum</i>) var. red torch under 50 per cent shade net condition.	<i>Environment and Ecology</i> , 33 (1A): 390-391.
28	Sheetal Jadhav and Chawla S. L. (2015). Economic cultivation of heliconia (<i>Heliconia psittacorum</i>) var. Red Torch through growth retardants under net house condition.	<i>Gujarat Agricultural Universities Research Journal</i> , 40 (2).
29	Sheetal Jadhav , Chawla S.L., Roshni Agnihotri and Gurjar R.A. (2015) Effect of growth retardants on the vegetative growth, flowering and yield of heliconia (<i>Heliconia psittacorum</i>) Var. Red Torch under 50 per cent shade net condition	The Bioscan Vol. 10 (4):1509-1513

ii. List Of Book Published

Sr. No	Name of Author	Title of Book	Editor and Publisher	ISSN / ISBN No.
1.	Vijaysinh D. kalariya, Vinay K. parmar and Jaysukh M. Vaghasiya	Impact of plant growth regulators 2016.	LAMBERT ACADEMIC PUBLISHING	978-3-659-93234-2
2.	Vinay Parmar and Utsav patel	Genetic variability, correlation, path and D2 analysis in cowpea 2016.	LAMBERT ACADEMIC PUBLISHING	978-3-659-93234-2
3.	Bhoomika Patel., Y.N. Tandel., A.H. Patel.	Effect of Maturity stage, Ehrel and Cold storage on CI of mango fruit 2016.	LAMBERT ACADEMIC PUBLISHING	978-3-659-95850-2
4.	A.H. Patel., Y.N.Tandel. , Bhoomika Patel.	Induction of flowering and fruiting of mango by chemicals 2016.	LAMBERT ACADEMIC PUBLISHING	978-3-659-95600-3

iii. List Of Chapters Published In Book

Sr. No	Name of Author	Title	Name of Book
1.	Dr. B. R. Parmar, Dr. Vinay K. Parmar, Prof. N. M. Patel and Shruti Parmar (2013)	"Drash"	Fal Visheshank, January 2013, pp. 92-94.
2.	Dr. B. R. Parmar, Dr. P. P. Bhalerao, Dr. Vinay K. Parmar and Prof. N. M. Patel (2013)	"Drash"	Bagayat Sarthi, May 2014, pp. 74-76.

iv. Number Of Reaserch Paper Presented In Conference/ Seminars/Symposia/Bulletin

Sr. No	Name of Author	Title	Name of Journal
1.	Sheetal Jadhav and Chawla S. L.	"Effect of plant growth retardants on the growth, flowering and yield of heliconia (Heliconia psittacorum) var. Red Torch under 50 per cent shade net condition".	National Conference on "Advances in Indian Floriculture with Focus on North East & Hill Region" held at Central Institute of Horticulture, Medziphema, Nagaland during January 13-15, 2017

2.	Prof. N. M. Patel, Sudha Patil, Chawla S. L. , Chauhary P.K.(2018)	Modern sacred garden - A wayof germplasm conservation	National Conference on "Floriculture for rural and urban prosperity in the scenario of climate change held at CAE & PHT (CAU),Ranipool, Sikkim, during February 16-18, 2018
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v. List Of Popular Articles published by faculties members

1. Prof. N. M. Patel and Shruti Parmar (2013) Kel ni Vaignanik kheti paddati, OJAS, Jilla Panchayat Navsari, Education Committee, pp 115-119, October 2013
2. Dr. Vinay K. Parmar, Dr. B.R. Parmar, Prof. N.M.Patel and Shruti Parmar (2013) Sha mate Fal pakoni kheti?, OJAS, Jilla Panchayat Navsari, Education Committee, pp 125-127, October 2013
3. Dr. Vinay K. Parmar and Dr. B.R. Parmar (2013) Kitchen Garden, OJAS, Jilla Panchayat Navsari, Education Committee , pp 128-131, October 2013
4. Dr. Vinay K. Parmar, Dr. B.R. Parmar, Prof. Nitin Patel and Shruti Parmar (2014) Bhinda: Ek Nafakarak Kheti, Soveniour, Unbhel Vibhag Sahkari Bagayat Mandali. pp. 62-65.
5. Dr. Vinay K. Parmar, Dr. B.R. Parmar, Prof. Nitin Patel and Shruti Parmar (2014) Kelni Vaigyanik Kheti Paddhati, Soveniour, Unbhel Vibhag Sahkari Bagayat Mandali. pp. 66-69.
6. Dr. B.R. Parmar, Dr. Vinay K. Parmar, Prof. Nitin Patel and Shruti Parmar (2014) Karelani Kheti mateni Adhunik Paddhati, Soveniour, Unbhel Vibhag Sahkari Bagayat Mandali. pp. 70-73.
7. Dr. Vinay K. Parmar, Dr. B.R. Parmar and Shruti Parmar (2014) Tarbuchni Vaigyanik Kheti Paddhati, Soveniour, Unbhel Vibhag Sahkari Bagayat Mandali. pp. 74-82.
8. Dr. B.R. Parmar Dr. Vinay K. Parmar and Shruti Parmar (2014) Velavala Shakbhaji Pakoni Mahiti, Soveniour, Unbhel Vibhag Sahkari Bagayat Mandali. pp. 83-85.
9. Dr. B.R. Parmar, Dr. Vinay K. Parmar, Prof. Nitin Patel and Shruti Parmar (2014) Parvalni adhunik Kheti Paddhati, Soveniour, Unbhel Vibhag Sahkari Bagayat Mandali. pp. 86-87.
10. Dr. Vinay K. Parmar, Dr. B.R. Parmar, and Prof. N.M.Patel (2014), Karelani Kheti mateni Adhunik Paddhati, Krushi Jivan, January 2014, pp.9-10.

11. Dr. Vinay K. Parmar, Dr. B.R. Parmar, and Prof. N. M. Patel (2014) Arthik sadharta mate fulawar/fulcobini veznanik kheti, Krushi Jivan, July 2014, pp.38-41.
12. Dr. B. R. Parmar, Prof. Bhoomika Patel and A. B. Parmar (2016) "Nava fal pako veeshe jaano". *Krushi Govidhya*, **5**: 37-41.
13. Dr. B. R. Parmar, Prof. Bhoomika Patel, J. J. Amarcholi and A. B. Parmar (2016) "Dragon fruit - 21 mi sadinu adbhut fal". *Ek Prayas*, **48**:12-16.
14. Prof. Bhoomika Patel, Dr. V.K.Parmar, Prof. Sheetal Jadhav, Prof. N.M.Patel & Dr. B.R.Parmar (2016). "Fal pakoma Savndharn paddhati" *Krushi Jivan*, 49 (5): 21-22. (Dec.)
15. "Fig different types and pollination" (2017). Prof. Bhoomika Patel, Prof. Sheetal Jadhav, Dr. V. K. Parmar, Prof. N. M. Patel & A. H. Patel. www.agritecafrica.com.
16. Prof. Sheetal Jadhav, Dr. V.K.Parmar, Prof. Bhoomika Patel, Prof. N. M.Patel & Dr. B.R.Parmar (2015) Fuloni Sukavani- ek navo Abhigam . *Ek Prayas*, December 2015, 39:6-9.
17. Sheetal Jadhav (2016) Gujratama Helicornia ni kheti mateno avkash. *Krushi Vishva, Gujarat Samachar News Paper* 1st January, 2016.
18. Sheetal Jadhav (2016) Fal pakoma fal n besvani samasya. *Krushi Vishva, Gujarat Samachar News Paper* 19th January, 2016.
19. Sheetal Jadhav (2016) Ghar aangane shakbhaji vavo. *Krushi Vishva, Gujarat Samachar News Paper* 3rd March, 2016.
20. Dr. V.K.Parmar, Prof. N.M.Patel, Prof. Sheetal Jadhav, Prof. Bhoomika Patel (2016) Tarbuch ni veznanik kheti ange ni Prasnottari. *Ek Prayas*, April 2016, 43: 6-10.
21. Prof. Sheetal Jadhav (2016). Kicthen Garden, *Krushi Vishva, Gujarat Samachar News Paper* 3rd March, 2016.
22. Prof. Sheetal Jadhav, Prof. Bhoomika Patel and Anirudhdh Parmar (2016) Container garden. *Samrudhdh kheti*, page no. 25.
23. Dr. V. K. Parmar, Prof. Hetal Rathod, Prof. N.M.Patel, Vijay D. Kalaria, Utsav Patel (2017) Plug Tray Nursery,. *Ek Prayas*, January 2017, 52: 6-11.

24. Bhoomika Patel, Dr. Vinay K. Parmar, Shital Jadhav, Nitin Patel, Dr. B. R. Parmar (2016) "Fal Pakoma samvardhan Paddhati", Krushi Jivan, December - 2017, pp.21-22.

vi. Projects Or Scheme On Hand

1. Landscape at university campus project (Plan Scheme B.H. - 12712-2)

In this project department is look after the Landscape and beautification of master plan area of university campus.

2. Nursery Development project (Revolving Fund Scheme B.H. - 2504).

Practical exposure and identification of different ornamental plants to undergraduate students, Maintaining and production aspects of different ornamental plants and Selling of different ornamental plants are objectively organized under the Nursery Development project.

vii. List of Laboratory Instruments available in department of Horticulture

Sr. No.	Instruments Name
1	Oven
2	Solar tray Drier
3	Digital pocket refractometer
4	Penetrometer
5	Microwave oven

PHOTO GALLERY



N. M. COLLEGE



COLLEGE NURSERY



LANDSCAPE AT UNIVERSITY BHAVAN



GARDEN AT N. M. COLLEGE



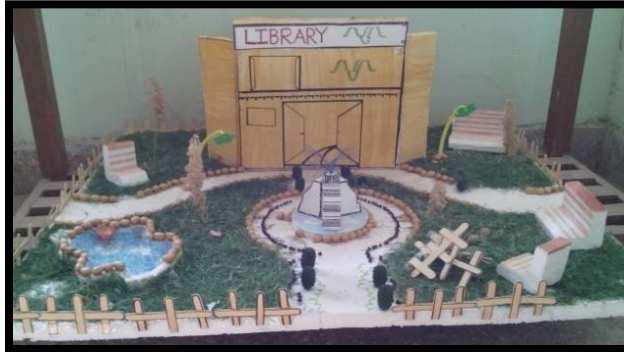
GARDEN AT ABM COLLEGE



PRACTICAL CLASS

GARDEN MODELS PREPARED BY UG STUDENTS





EARTH LAUGHS THROUGH FLOWERS

.....RALPH WALDO EMERSON