

A. Awards (Institute/College)

Sr. No.	Name of Department	Details	Year	Int./National /State/Uni. level
1.	Department of Genetics and Plant Breeding, N.M. College of Agriculture, NAU, Navsari	Department of Genetics and Plant Breeding, NMCA, NAU, Navsari has received “Best AICRPs Center (Voluntary) Award-2023-24 for Spices crop in 35 th Annual Group Meeting, held during 15-17 th October-2024 at CCSHAU, Hissar, Haryana.	2024	National level

B. Awards (Faculties)

Sr. No.	Name of Faculty	Recognition	Year	Int./National /State/Uni. level
1.	Dr. R. R. Patel	Appreciation letter (JCI, Navsari)	2016	State level
2.	Dr. R. R. Patel	Gold Medal (Kachiya Patidar Samaj)	2016	State level
3.	Dr. R. R. Patel	Appreciation letter (Collector, Navsari)	2017	State level
4.	Dr. K. G. Modha & Dr. R. K. Patel	Awarded Best Poster presentation award at National Genetics Congress	2018	National level
5.	Dr. K. G. Modha, Dr. B. H. Kale & Dr. R. K. Patel	Awarded the First Prize in Poster Presentation	2019	National level
6.	Dr. R. K. Patel	GAAS Award (Co-worker for development of Coriander Variety GCO-3)	2020	State level

C. Awards (Students)

Sr. No.	Name of Students	Degree	Recognition	Year
1.	Kaldate Supriya B.	M.Sc. (Agri.)	Chancellor's Gold Medal	2021
2.	Pranitha B. P.	M.Sc. (Agri.)	Chancellor's Gold Medal	2022
3.	Stuti Krishna	Ph.D.	Chancellor's Gold Medal	2023

4.	Stuti Krishna	Ph.D.	GAAS thesis award	2024
5.	Patel Savankumar N.	Ph.D.	GAAS thesis award	2024
6.	Vadodariya Himani P.	M.Sc. (Agri.)	Dr. A.H. Shah Guru-Shishya Excellence Gold Plated Silver Medal	2025
7.	Panchal Rajeshkumar J.	Ph.D.	Dr. C. T. Patel (Cotton Hybrid – 4) Gold plated silver medal for research in cotton	2025
8.	Ashita Patel	Ph.D.	Dr. C. T. Patel (Cotton Hybrid – 4) Gold plated silver medal for research in cotton	2026
9.	Pratik Satasiya	Ph.D.	GAAS thesis award	2026

D. Awards/Recognitions (Students) in Seminar/ Symposium/Conferences

Sr. No.	Name of Students	Degree	Recognition	Year
1.	Prajapati Maulikkumar Rameshbhai	Ph.D.	Secured second position for his poster ‘Protection of Plant Variety and Farmers Right Act, 2001’ in three days International Conference on ‘Impact of Climate Changes on Global Food, Livestock, Livelihood and Environmental Security’, held at NAU, Navsari during 28 th to 30 th December-2023.	2023
2.	Rana Vattsalkumar Bipinchandra	Ph.D.	Secured second position for his poster ‘Protection of Plant Variety and Farmers Right Act, 2001’ in three days International Conference on ‘Impact of Climate Changes on Global Food, Livestock, Livelihood and Environmental Security, held at NAU, Navsari during 28 th to 30 th December-2023.	2023
3.	Chandramaniya Chiragkumar Pravinbhai	M.Sc. (Agri.)	Awarded first position for Post – Graduate Dissertation presentation in the International conclave on sustainability and green growth including research colloquium by National Productivity Council in collaboration with Ganpat University on January 24, 2024 at Mehsana, Gujarat, India.	2024
4.	Prajapati Maulikkumar Rameshbhai	Ph.D.	Secured first position for poster ‘Introgression of salt tolerance through marker assisted backcross breeding into genetic background of GR-17 (Sardar), a well known variety recognized for its excellent qualities in puffing and beaten rice’ in three days National Symposium on ‘Genomicsrevolution to foster advances and innovations in crop improvement’ held on February 27-29, 2024 at	2024

			PAU, Ludhiana, India.	
5.	Boddu Sangavi	Ph.D.	Received best oral presentation in the 1 st International Conference on “Innovation to Achieve Climate Resilient Smart Agriculture for Ensuring Global Food & Nutritional Security (IACRSAEGNS-2024)” held during 18-19 November, 2024 at ICAR-Indian Institute of Sugarcane Research, Lucknow, U.P .	2024
6.	Megha L.M.	Ph.D.	Received best oral presentation in the Second National Genetic Congress (SNGC2024) entitled “Genetics and Genomics for a Better Future : Microbes to Man” held on 11-13 December, 2024 at ICAR-Indian Agricultural Research Institute, New Delhi .	2024
7.	Soumyanetra Saha	Ph.D.	Received best oral presentation in the Second National Genetic Congress (SNGC2024) entitled “Genetics and Genomics for a Better Future: Microbes to Man” held on 11-13 December, 2024 at ICAR-Indian Agricultural Research Institute, New Delhi.	2024

E. PG Admitted Students

Year	M. Sc. (Agri.)			Ph. D.				
	State	ICAR	International	State	ICAR	Sponsored	Inservice	International
2016 -17	22	3	1	3	3	0	2	0
2017 -18	19	5	0	6	2	1	1	0
2018-19	21	7	0	5	1	1	1	0
2019-20	25	8	0	8	1	1	1	0
2020-21	19	5	0	6	1	0	0	0
2021-22	15	4	0	7	2	0	1	0
2022-23	11	8	0	7	3	0	0	0
2023-24	15	5	0	4	4	0	3	1
2024-25	16	8	0	5	4	0	0	0
2025-26	17	8	0	10	2	0	0	0
Total	180	61	1	61	23	3	9	1

F. PG Pass out students

Year	M. Sc. (Agri.)	Ph. D.
2016	20	9
2017	24	4
2018	26	2
2019	21	4
2020	22	9
2021	33	9
2022	22	12
2023	13	7
2024	15	6
2025	22	10
Total	218	72

G. Fellowship

Year	Shodh	NFST	PM Fellowship	Netaji Subhash Fellow (International Fellowship)	NTS
2016-17	-	-	-	-	-
2017-18	-	-	-	-	-
2018-19	2	1	-	-	-
2019-20	8	-	-	-	-
2020-22	5	1	-	-	-
2021-22	3	-	-	-	-

2022-23	-	-	-	-	-
2023-24	5	1	3	-	-
2024-25	3	2	2	1	1
2025-26	6	-	-	-	-
2026-27	12	-	-	-	-
Total	44	05	05	01	01

H. PG students cleared various competitive exams

Year	JRF	SRF	NET	ARS
2016	4	1	0	0
2017	2	0	13	0
2018	10	5	14	1
2019	7	5	8	1
2020	5	13	6	0
2021	7	9	37	0
2022	6	5	1	0
2023	8	7	7	0
2024	1	5	1	0
2025	3	4	17	0
Total	53	54	104	02

I. Varieties Released by Department

Sr. No.	Name of Crop	Name of Variety	Year of Release	Gazette Notification	Silent features
1.	Turmeric	GNT-1	2010	S.O. 4272 (E) Sr. No. 72 Dated: 26/11/2019	• High rhizome yielding 30-32 t/ha • It is resistant against rhizome rot. • Its dry rhizome recovery is 23.17% and powder recovery is 83.92%. • It has attractive red orange colour of the powder. • It is having high curcumin content (2.84%) as well as oleoresin content (8.18%) with good aroma.
2.	Turmeric	GNT-2	2016	S.O. 261 (E) Sr. No. 18 Dated: 16/01/2018	• GNT-2 is a high rhizome yielding (32-35 t/ha), late maturing (270-280 days) turmeric variety especially suitable for the powder purpose. • It is having very high dry rhizome weight recovery (20.70 %) and powder recovery (87.00 %). • It is having bright yellow powder color and curcumin content is 4.10 %. • It is resistant to rhizome rot and moderately resistant to leaf blight disease in natural field conditions.
3.	Turmeric	GNT-3 (Pitambari)	2021	S.O. 4000 (E) Sr. No. 61 Dated: 01/09/2025	• GNT-3 is a higher rhizome yielding (30-32 t/ha), mid late maturing (230-240 days) turmeric variety especially suitable for the dual purpose (Table purpose and powder making). • It is having moderate dry rhizome weight recovery (18.60%) and powder recovery (88.00%). • It is having reddish yellow powder color and curcumin content is 3.29 % and total oil content is 3.90 %. • It is resistant to rhizome rot and moderately resistant to leaf blight disease in natural field conditions.
4.	Turmeric	GNT-4 (Amruta)	2024	S.O. 4000 (E) Sr. No. 62 Dated: 01/09/2025	• This is extra early (140-150 days), high fresh rhizome yielding (40-42 t/ha) turmeric variety especially suitable for the table purpose. • It is having more number of thick finger rhizomes coupled with desired medium reddish yellow inner core color, taste, aroma,

					higher essential oil content (0.66%), curcumin content (4.08%), fiber content (10.48 %) in fresh rhizomes, which makes it ideal for table purpose. This variety showed least infestation of fungal diseases hence it is also suitable for intercrop cultivation in orchards.
5.	Mango ginger	GNMG-1 (Amravanti)	2019	S.O. 4000 (E) Sr. No. 67 Dated: 01/09/2025	- This is thin fingered, high rhizome yielding (14-16 t/ha), early maturing (190-195 days) mango ginger variety especially suitable for the table purpose. - It is having very high total oil content (7.15 %) and essential oil content (0.63 %), which provides strong mango like aroma. - It is having higher dry rhizome weight recovery (29.32 %) and powder recovery (98.64 %).
6.	Mango ginger	GNMG-2 (Jyoti)	2021	S.O. 4000 (E) Sr. No. 68 Dated: 01/09/2025	- This is thick fingered, high rhizome yielding (32-35 t/ha), mid late maturing (200-210 days) mango ginger variety especially suitable for the table as well as processing purpose. - It is having higher total oil content (2.59 %) and essential oil content (0.34 %), which provides pleasant raw mango like aroma. - It is also having higher dry rhizome weight recovery (19.53 %) and powder recovery (97.90 %) makes it suitable for processing purpose. - It is resistant to rhizome rot and moderately resistant to leaf blight disease in natural field conditions.
7.	Sesbania	GND-1 (Vasyndhara)	2018	Released in 85 th meeting of Central Sub-committee on Crop Standard held on dated: 09/11/2020 as per Item No. 04	- This is high green biomass yielding (40-45 t/ha) dhaincha variety especially suitable for the green manure purpose in <i>kharif</i> season. - This variety produced very high green biomass in a short time duration of 45-50 days after sowing. - It is having longer leaf length, deeper root length, more number of root nodules (50-70) with higher

				Table No. 05 Sr.No. 36	fresh weight of root nodules per plant (3.61 g), which enhance the atmospheric nitrogen fixation capacity. The green biomass of the genotype having lower C:N ratio (22.37) makes it more suitable for faster decomposition after soil incorporation.
8.	Sunhemp	GNSUN-1 (Vijay)	2022	-	- This is late maturing, high green biomass yielding (30-34 t/ha) sunnhemp variety especially suitable for the green manure purpose in <i>Rabi</i> season. - This variety having longer leaf length, higher leaf width and more number of leaves per plant, which makes it more productive for green manuring in shorter time duration of 45-50 days. - Moderate lignin content, cellulose content, hemicellulose content and lower C : N ratio, which favors the faster decomposition of green biomass after soil incorporation
9.	Fenugreek	GM-4 (Supriya)	2023	S.O. 4917 (E) Sr. No. 100 Dated: 13/11/2024	- This is bold seeded, high seed yielding (1538 kg/ha), mid late maturing (90-100 days) fenugreek variety especially suitable for the seed spices purpose. - It is having higher total seed protein content (29.75 %), higher crude fiber (22.01 %) and comparable diosgenin content (317.00 mg/100 g). - It is also found moderately resistant to powdery mildew as well as root rot diseases in natural field conditions.
10.	Coriander	GCo-5 (Krupali)	2025	-	- Early maturity (85-90 days) and higher seed yield (1608.00 kg/ha) in short time duration - Semi erect, medium tall growth habit along with more number of primary and secondary branches - More number of umbels per plant, umbellates per umbel and seeds per umbellate makes it more productive - Uniform, round oval shaped seeds

					with higher test weight • Presence of high essential oil (0.321%) and linalool content (72.54%) • Moderately resistant to fusarium wilt and powdery mildew diseases in natural field conditions
11.	Coriander	GNLC-1 (Surabhi)	2025	-	• Higher green leaf biomass yield (16.95 t/ha) in short time duration • Late bolting (66.00 days) behavior and responsive to multi cutting • Erect tall growth habit along with more number of narrow angled primary and secondary branches • More number of basal leaves (10.47) with higher basal leaf length (30.48 cm), leaf width (5.81 cm) and petiole length (12.91 cm) makes it more productive. • Deeply serrated, shiny green leaves per plant (21.61) with pleasant aroma and better keeping quality. • Moderately resistant to fusarium wilt and powdery mildew diseases in natural field conditions
12.	Coriander	Gco-6 (Navsari Laxmi)	2026	-	• Higher seed yield (2156.00 kg/ha) and late in maturity • Erect, tall growth habit along with more number of primary as well as secondary branches • Higher number of umbels per plant, umbellates per umbel and seeds per umbellate makes it more productive • Ablong shaped seed with medium test weight • Presence of higher essential oil and linalool content in seeds • Moderately resistant to fusarium wilt and powdery mildew diseases

J. Germplasm Registration

Sr. No.	Name of Crop	Name of Variety	Research Code	Year of Allotment	IC number
1.	Turmeric	GNT-1	NVST 37	2019	IC628605
2.	Turmeric	GNT-2	NVST-64	2017	IC0619110
3.	Turmeric	GNT-3 (Pitambari)	NVST 84	2021	IC637635
4.	Turmeric	GNT-4 (Amruta)	NVST 87	2024	IC650871
5.	Mango ginger	GNMG-1 (Amravanti)	NVMG 3	2019	IC628606
6.	Mango ginger	GNMG-2 (Jyoti)	NVMG 13	2021	IC637636
7.	Sesbania	GND-1 (Vasundhara)	NSB-9	2019	IC6288584
8.	Sunhemp	GNSUN-1 (Vijay)	NSUN-59	2022	IC643835
9.	Fenugreek	GM-4 (Supriya)	NFG-202	2022	IC643836
10.	Coriander	GCo-5 (Krupali)	NCOR-136	2025	IC657222
11.	Coriander	GNLC-1(Surbhi)	NLC-12	2024	IC650870
12.	Coriander	Gco-6 (Navsari Laxmi)	NCOR-146	-	-

K. Publications

Sr. No.	Literature published	Numbers
1.	Research Papers (National/International journals)	83
2.	Gujarati articles/ Leaflets/ Brochures	05
3.	Journals/Practical Manual	20
4.	Book chapters	05