



Dr. Mangaldeep Sarkar

Associate Professor

Academic Qualification



Dept. of Vegetable Science, College of Horticulture, Anand Agricultural University, Anand-388110, Gujarat, India



+91-9933777603



msarkar@aaui.in

Degree	Subject	University	Year of passing	Dissertation Title
Ph.D.	Vegetable Science	Govind Vallabh Pant University of Agriculture & Technology, Pantnagar, Uttarakhand	2013	Genetic study of quantitative traits and molecular characterization of ridge gourd [<i>Luffa acutangula</i> (Roxb.) L.]
M.Sc.	Vegetable Science	Govind Vallabh Pant University of Agriculture & Technology, Pantnagar, Uttarakhand	2009	Performance of capsicum in maize based intercropping system
B.Sc.	Horticulture	Uttar Banga Krishi Viswavidyalaya, Coochbehar, West Bengal	2007	-

Professional Experience

Post Held	Place	Duration
Associate Professor (Vegetable Science)	College of Horticulture, Anand Agricultural University, Anand	07.08.2025 to till date
Assistant Professor (Horticulture)	College of Agriculture, Navsari Agricultural University, Waghai	01.01.2016 to 06.08.2025 (09 years 07 months 06 days)
Assistant Director of Horticulture	Department of Food Processing Industries and Horticulture, Govt. of West Bengal	20.03.2014 to 31.12.2015 (01 year 09 months 12 days)
Assistant Breeder	VNR Seeds Pvt. Ltd., Hyderabad	15.05.2012 to 10.12.2013 (01 year 06 months 26 days)

Honors & Awards

Sr. No.	Awards/Medals/Recognition	Organizing Institution/University/ Agency	Year
1.	Best poster presentation	GBPUA&T, Pantnagar	2012
2.	Young Scientist Award	SVSS, Lucknow	2014
3.	Best performing Centre	AICRP-Small Millets, ICAR-IIMR, Hyderabad	2018
4.	Sadvichar Parivar Award	The Gujarat Association for Agricultural Sciences (GAAS)	2023

Membership in Scientific bodies/Associations

- Life member of Indian Society of Vegetable Science
- Life member of Medicinal and Aromatic Plants Association of India
- Life member of The Gujarat Association for Agricultural Sciences

Research Schemes/Projects handled

Sr. No.	Name of Project	PI/Co-PI	Year of sanction	Status	Funding Agency
1.	Quality planting material production in horticultural crops under Experiential Learning Programme	PI	2018	Completed	ICAR (NAU)
2.	Quality planting material production in horticultural crops under Tribal Sub Plan	Co-PI	2018	Completed	ICAR (NAU)
3.	Collection and Maintenance of Elephant Foot Yam (<i>Amorphophallus paeoniifolius</i>) germplasms for Evaluation as well as Selection of Superior Genotypes suitable for cultivation in Southern Gujarat region	PI	2016	Completed	Departmental project (NAU)
4.	Collection and evaluation of cucumber (<i>Cucumis sativus</i> L.) genotypes suitable for cultivation in Southern Gujarat region	PI	2016	Completed	Departmental project (NAU)
5.	Collection, evaluation and improvement of pumpkin (<i>Cucurbita moschata</i> Duch. ex Poir.)	PI	2018	Completed	Departmental project (NAU)
6.	Effect of foliar application of liquid organic fertilizers on growth, yield and quality of strawberry (<i>Fragaria</i> × <i>ananassa</i> Duch.)	Co-PI	2018	Completed	Departmental project (NAU)
7.	Varietal development in elephant foot yam	PI	2020	Completed	Departmental project (NAU)
8.	Effect of different levels of Nitrogen through organic sources on growth, yield and quality of strawberry	Co-PI	2021	Concluded	Departmental project (NAU)
9.	Effect of different transplanting times on growth, yield and quality of lettuce var. Great Lakes	Associate	2021	Concluded	Departmental project (NAU)
10.	Effect of foliar application of liquid organic nutrients on growth, yield and quality of elephant foot yam var. Swagata	PI	2021	Handed over	Departmental project (NAU)
11.	Varietal development in cherry tomato	PI	2022	Handed over	Departmental project (NAU)
12.	Varietal development in cucumber	PI	2023	Handed over	Departmental project (NAU)
13.	Varietal development in pumpkin	Co-PI	2023	Handed over	Departmental project (NAU)

Number of Research recommendations: 20 (Release of variety)

Contribution in Variety development

Sr.No.	Release of varieties in different crops			
	Crop	Name of variety	Responsibility	Year of release
1.	Indian bean	GNIB-22	Evaluator	2017
2.	Sweet potato	Bhukanti	Evaluator	2017

3.	Tomato	GT-7	Evaluator	2018
4.	Sesbania	Vasundhara	Evaluator	2019
5.	Greater yam	Hemlata	Evaluator	2019
6.	Mango ginger	Amravanti	Evaluator	2020
7.	Mango ginger	Jyoti	Evaluator	2021
8.	Turmeric	Pitambari	Evaluator	2021
9.	Little millet	Ambika	Associate Breeder	2021
10.	Finger millet	Gira	Associate Breeder	2021
11.	Elephant foot yam	Swagata	Principal Breeder	2021
12.	Cluster bean	Anand Bahar	Evaluator	2021
13.	Brinjal	Anand Raj	Evaluator	2021
14.	Okra	PurnaRakshak	Evaluator	2021
15.	Finger millet	Ekvijay	Associate Breeder	2022
16.	Tannia	Navsari Pari	Evaluator	2023
17.	Elephant foot yam	Dangi Suran	Principal Breeder	2024
18.	Brinjal	Nav Nidhi	Evaluator	2024
19.	Barnyard Millet	Shabari	Associate Breeder	2024
20.	Little Millet	Mavli	Associate Breeder	2024

Extension activities

Sr.no	Particulars	Number
1.	Lecture delivered to farmer community	27
2.	Lecture delivered to other university/state department	5
3.	Participated one day training/awareness programme	5
4.	Participated in training programme for the local farmers (5-7 days)	3

Research Publications

Sr. No.	Particulars	No. of Publications	Above 5 NAAS Rating	Below 5 NAAS Rating
1.	Research Paper	25	13	12
2.	Review article	1	--	--
3.	Book	5	--	--
4.	Book chapter	13	--	--
5.	Popular Article	8	--	--

Post Graduate Students Guided

No. of students awarded degree		No. of students enrolled	
Master	4	Master	--
Doctorate	--	Doctorate	--

Participation in Seminar/Symposia/Conference/training programme/workshop

- Number of Seminar/Symposium/Conference attended : 13
- Number of Refresher courses/ training completed : 05