

A. Awards & Recognitions by the faculty

Sr. No.	Faculty Name	Recognition	Year	Int/National /State/Univ. level
2021-22				
1.	Dr. Shivangi Kansara	First prize in poster presentation at National symposium on probing beneficial microorganisms for next generation revolution organized by Indian Phytopathological Society (Western Zone)	2021	National
2022-23				
1.	Dr. K. B. Rakholiya	Ghelani Agricon Private Limited Award-2021 on April 05, 2022 at AAU, Anand. During state level seminar on "Prakrutik Krushimapak Sanrakshan" organized by PPAG and AAU, Anand for Outstanding Research Work Done in the Field of Bio-Pesticides by SAU'S Scientist:	2022	State
2.		ASPEE Agro Equipment Pvt Ltd Award 2021: Best Research work Done by M. Sc. (Agri.) Student in the Field of Plant Pathology at AAU, Anand. During state level seminar on "Prakrutik Krushimapak Sanrakshan" organized by PPAG and AAU, Anand.	2022	State
3.		First Oral Presentation Award IPS (WZ) Symposium: Epidemiology of damping-off of tomato. Indian Phytopathological Society West Zone Symposium on "Current Trends in Plant Disease Detection, Diagnosis and Management during 16-17,11, 2022 at NAU, Navsari	2022	National
4.		Third Oral Presentation Award IPS (WZ) Symposium: Epidemiology study of Chilli Anthracnose caused by <i>Colletotrichum capsica</i> (Sydow) Butler and Bisby. Indian Phytopathological Society West Zone Symposium on "Current Trends in Plant Disease Detection, Diagnosis and Management" during November 16-17, 2022	2022	National

		at NAU, Navsari.		
5.		Third Oral Presentation Award IPS (WZ) Symposium: Black fruit rot of Mango: A New Disease Report Indian Phytopathological Society West Zone Symposium on “Current Trends in Plant Disease Detection, Diagnosis & Management” during 16-17, November 2022 at NAU, Navsari	2022	National
6.		3rd Rank Oral Presentation award: ISMPP 42nd Annual Conference & National Symposium: Plant Health management: A way forward for food safety, security and sustainability, Golden Jubilee celebration of ISMPP, May 10-11, 2022 at AAU, Anand	2022	National
7.	Dr. Priya John	Dr. B.B. Mundkar Award By GRIDSA	2022	National
8.		Scroll of Honour by Indian Phytopathological Society, IARI, New Delhi for West Zone Councillor	2022	National
9.		M. J. Narasimhan Award to two Ph.D. students under mentorship from Central Zone and West Zone of Indian Phytopathological society	2022	National
10.	Dr. D. H. Tandel	Received 2 nd Best Oral Paper presentation Award during National West Zone Symposium on “Current trends in Plant Disease detection, diagnosis and management organized by Indian Phytopathological Society and NAU, Navsari & during November 16-17, 2022	2022	National
11.		Received Prof. K.C. Mehta Memorial Award during 7 th International conference on “Opportunities and Challenges in Agriculture, Environmental and Biosciences for Global Development (OCAEBGD-2022) organized by AEDS India during October 29-31, 2022.	2022	International
12.		Received Overall 3 rd Best Poster Presentation Award during 7 th International conference on “Opportunities and Challenges in Agriculture, Environmental and Biosciences for Global Development (OCAEBGD-2022) organized by AEDS India during October 29-31, 2022.	2022	International
13.	Dr. Shivangi Kansara	Best Poster presentation “Isolation and Identification of seed mycoflora associated with groundnut seeds in IPS West zone symposium on current trends in plant disease detection, diagnosis and management Organized by NAU, Navsari, Gujarat, November 16-17, 2022	2022	National

14.	Mrs. Kotramma Addangadi	Second Prize in National level Hackathon on Smart and Remunerative Farming, at Navsari Agricultural University, Navsari.	2022	National
15.		Second Best Oral Presentation Award in Indian Phytopathological Society West Zone Symposium at Navsari Agricultural University, Navsari, Gujarat.	2022	National
16.		Second Best Poster Presentation Award in Indian Phytopathological Society West Zone Symposium at Navsari Agricultural University, Navsari, Gujarat.	2022	National
17.	Dr. Dinesh H. Chaudhary	Secured First Rank in Poster Presentation at the West Zone National Symposium on “ <i>Current Trends in Plant Disease Detection, Diagnosis and Management</i> ”, organized by the Indian Phytopathological Society and the	2022	National
2023-24				
1.	Dr. K. B. Rakholiya	Best Teacher Award for the Academic year: 2021-22 In recognition of outstanding contributions to Academic and Personal growth in the field of Agricultural and Allied Sciences from Navsari Agricultural University, Navsari, Gujarat	2023	National
2.	Dr. Priya John	Women Scientist Award in International Conference ICCGFLLES-2023 at NAU during 28 to 30th December 2023	2023	International
3.	Dr. D. H. Tandel	Received 1 st Best Oral Paper presentation Award during International conference on “Impact of climate changes on global food, livestock, livelihood and environment security-Advanced mitigation strategies organized by NAU, Navsari & NADCL Baramulla, UT of J&K, India during December ,2023	2023	International
4.	Mrs. Kotramma Addangadi	Young Profession Award in International Conference Organized by NAU, Navsari and NADCL, Baramulla	2023	International
5.		Women Scientist Award by the society for Scientific Development in Agriculture and Technology, Meerut at Himchal Pradesh University, Shimla	2023	National
6.	Dr. Dinesh H. Chaudhary	Best Ph.D. Thesis Award for the thesis entitled “Studies on Blast Disease of Pearl Millet [<i>Pennisetum glaucum</i> (L.) R. Br.] Caused by <i>Pyricularia grisea</i> and Its Management” during the International Conference on “Innovative Approaches in Agriculture, Horticulture and Allied Sciences” held on March 29–30, 2023.	2023	National

2024-25				
1.	Dr. K. B. Rakholiya	First Rank Oral Presentation award: ISMPP 3 rd Asian Congress on Plant Pathology: Plant and Soil Health Management for Better tomorrow: oral presentation on First report of <i>Fusarium falciforme</i> causing wilt of chilli at SDAU, SKnagar 7-10, February, 2024	2024	National
2.	Dr. Shivangi Kansara	Academic Excellence Award in recognition of outstanding professional and research achievement in the field of agricultural sciences by Institute of researchers, Kerala, India.	2024	National
3.		Young Scientist Award for outstanding contribution in the field of Plant Pathology on Occasion of 2 nd International Agriculture Conference on “Natural Farming Innovations: Enhancing soil health and seed quality with Ai and Drone Fr Greener agricultural future held at New Delhi on November 3-5, 2024	2024	International
4.	Mrs. Kotramma Addangadi	Certificate of Excellence in Reviewing awarded by Journal of Advances in Microbiology for contribution to the quality of the journal	2024	National
2025-26: Nil				

B. Seminar/training organized:

- 1) 34th Annual conference and National symposium on “Crop disease management and challenges” was organized by Department of Plant Pathology, N. M. College of Agriculture, NAU, Navsari and Indian Society of mycology and Plant Pathology, Udaipur during January 21-23, 2013 at NAU, Navsari.
- 2) Online National training on” Advanced in mushroom cultivation: A sustainable key to food –nutritional and employment security” jointly organized by Department of Plant Pathology, N. M. College of Agriculture, NAU, Navsari and Centre of Advanced agricultural science and technology,(CAAST), NAHEP, NAU, Navsari during September, 21-22, 2021.
- 3) One day webinar on “Invasive pests and disease problem in Indian Agriculture” Jointly organized by Department of Plant Pathology and Department of Entomology, N. M. College of Agriculture, NAU, Navsari during August, 5, 2021.
- 4) State level seminar on “Maintenance of quality and safety of horticultural and food crops through biological control of pests and diseases” jointly organized by Plant Protection

association of Gujarat and Centre of Advanced agricultural science and technology,(CAAST), NAHEP, NAU, Navsari during December, 30, 2021.

- 5) State level workshop on “Spawn production and farming techniques of mushroom” during August, 3-4, 2022.
- 6) West Zone Symposium of Indian Phytopathological Society on “CURRENT TRENDS IN PLANT DISEASE DETECTION, DIAGNOSIS AND MANAGEMENT” during November 16-17, 2022.

C. Patent filed:

Sr. No.	Title of patent	Year
1.	Navsari Agricultural University, Dr. Lalit Mahatma , Dr. Kiran Suthar, Dr. Narayan Musmade. Method of preparation of hybrid silver nanoparticles with banana pseudostem extract and chitosan (Patent No. 515750)	27/02/2024
2.	Navsari Agricultural University, Dr. Lalit Mahatma , Dr. Harshal P. Patel, Dr. Z. P. Patel Whitefly Aspirator (Design Patent) (Patent No. 447352-001)	08/09/2025

D. Post graduate/Ph.D. thesis

Sr. No.	Year	No. of M.Sc. (Agri.)	No. of Ph.D.	Total
1	2004	05	00	05
2	2005	00	00	00
3	2006	10	00	10
4	2007	03	00	03
5	2008	08	03	11
6	2009	06	00	06
7	2010	05	01	06
8	2011	06	02	08
9	2012	05	04	09
10	2013	08	05	13
11	2014	05	01	06
12	2015	05	02	07
13	2016	08	02	10
14	2017	15	03	18
15	2018	07	00	07
16	2019	13	02	15
17	2020	13	04	17
18	2021	01	01	02
19	2022	12	04	16
20	2023	11	05	16
21	2024	06	07	13
	Total	146	39	185

D. Research recommendations (2021-22 to 2025-26)

Year	Dept.	SN	Recommendations																												
2021-22	Plant Pathology	1.	Susceptibility of medicinal plants to Garmar (<i>Plectranthus barbatus</i> Andrews.) Root Knot Nematode (<i>Meloidogyne</i> sp.) Medicinal plants viz., Garo, Kalijiri and Black basil were found highly resistant in reaction against root knot nematode (<i>Meloidogyne incognita</i>). Bhoyaringani, Senna and Garmar were highly susceptible to root knot nematode.																												
2022-23	Plant Pathology	2.	Evaluation of different spore harvesting methods of <i>Trichoderma viride</i> Pers. Ex.fr. Tween 20 at 0.01% (v/v) in sterile saline solution (1M) can be used for maximum spore harvest of <i>Trichoderma viride</i> .																												
		3.	Effect of biofilms formation in <i>Trichoderma</i>-<i>Azotobacter</i> interaction against <i>Macrophomina phaseolina</i> It is informed to the scientific community that Biofilm formed by <i>Azotobacter chroococcum</i> (1x10 ⁷ CFU) and <i>Trichoderma viride</i> (1x10 ⁶ CFU) leads to production of Extrapolymeric substances (EPS) which at equal proportion can help to extract EPS after 20 days incubation by ethanol precipitation. The extracted EPS @ 2g/Kg seeds of blackgram provide better colonization, increase plant growth and reduce root rot caused by <i>Macrophomina phaseolina</i> over microbial combination.																												
2023-24	Plant Pathology	4.	Chemical control of fenugreek powdery mildew Fenugreek growers of South Gujarat are advised to apply, three sprays of hexaconazole 5 EC (0.005%) @ 10 ml/ 10 lit. or propiconazole 25 EC (0.025%) @ 10 ml/10 lit or sulphur 80 WP (0.2%) @ 25g/10 lit of water for effective management of powdery mildew and to get higher yield. The first spray should be given with anyone fungicides after initiation of disease and subsequent two sprays at 15 days of interval. <table><tr><th>Crop</th><th>Disease</th><th>Fungicides</th><th>Concentrations (a.i %)</th><th>Quantity g or ml/l</th><th>Dilution in water (liter)</th><th>Waiting period</th><th>Residue in the seed sample</th></tr><tr><td rowspan="3">Fenugreek (Not included in CIB-RC)</td><td rowspan="3">Powdery Mildew</td><td>Hexaconazole 5% EC</td><td>0.005</td><td>10.0 ml</td><td>10</td><td>30 (Anot her crops)</td><td>BQL</td></tr><tr><td>Propiconazole 25 % EC</td><td>0.025</td><td>10.0 ml</td><td>10</td><td>30 (Anot her crops)</td><td>BQL</td></tr><tr><td>Sulphur 80 % WP</td><td>0.2</td><td>25 g</td><td>10</td><td>--</td><td>---</td></tr></table> દક્ષિણ ગુજરાતમાં મેથીની ખેતી કરતા ખેડૂતોને ભૂકીછારા રોગના અસરકારક નિયંત્રણ તેમજ વધુ ઉત્પાદન મેળવવા માટે હેકઝાકોનાઝોલ ૫ ઇસી (૦.૦૦૫%), ૧૦ મિલી પ્રતિ ૧૦ લિટર અથવા પ્રોપીકોનાઝોલ ૨૫ ઇસી (૦.૦૨૫%) ૧૦ મિલી પ્રતિ ૧૦ લિટર અથવા સલ્ફર ૮૦ ડબલ્યુ પી (૦.૨%), ૨૫ ગ્રામ/૧૦ લિટર પાણીમાં મિશ્ર કરી તે પૈકી કોઈ એક ફૂગનાશકનો પ્રથમ છંટકાવ ભૂકીછારા રોગની શરૂઆતમાં અને બીજા	Crop	Disease	Fungicides	Concentrations (a.i %)	Quantity g or ml/l	Dilution in water (liter)	Waiting period	Residue in the seed sample	Fenugreek (Not included in CIB-RC)	Powdery Mildew	Hexaconazole 5% EC	0.005	10.0 ml	10	30 (Anot her crops)	BQL	Propiconazole 25 % EC	0.025	10.0 ml	10	30 (Anot her crops)	BQL	Sulphur 80 % WP	0.2	25 g	10	--	---
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		બે છંટકાવ ૧૫ દિવસના આંતરે કરવાની ભલામણ કરવામાં આવે છે. <table><tr><th>પાક</th><th>રોગ</th><th>ફૂગનાશક</th><th>સાંદ્રતા (ટકા)</th><th>ફૂગનાશક ની માત્રા ગ્રામ અથવા મિલી/ લીટર</th><th>પાણી માં મિશ્રણ (લીટર)</th><th>પ્રતિક્ષા સમય (દિવસ)</th><th>સીડ માં જંતુનાશ કનાં અવશેષ</th></tr><tr><td rowspan="3">મેથી (CIB-RC માં આ પાકનો સમાવેશ કરવામાં આવ્યો નથી)</td><td rowspan="3">ભૂકી છારા</td><td>હેકઝાકોના ઓલ ૫ ઇસી</td><td>૦.૦૦૫</td><td>૧૦ મિલી</td><td>૧૦ લિટર</td><td>૩૦ (અન્ય પાકમાં)</td><td>BQL</td></tr><tr><td>પ્રોપીકોના ઓલ ૨૫ ઇસી</td><td>૦.૦૨૫</td><td>૧૦ મિલી</td><td>૧૦ લિટર</td><td>૩૦ (અન્ય પાકમાં)</td><td>BQL</td></tr><tr><td>સલ્ફર ૮૦ ડબલ્યુ પી</td><td>૦.૨</td><td>૨૫ ગ્રામ</td><td>૧૦ લિટર</td><td>--</td><td>---</td></tr></table>	પાક	રોગ	ફૂગનાશક	સાંદ્રતા (ટકા)	ફૂગનાશક ની માત્રા ગ્રામ અથવા મિલી/ લીટર	પાણી માં મિશ્રણ (લીટર)	પ્રતિક્ષા સમય (દિવસ)	સીડ માં જંતુનાશ કનાં અવશેષ	મેથી (CIB-RC માં આ પાકનો સમાવેશ કરવામાં આવ્યો નથી)	ભૂકી છારા	હેકઝાકોના ઓલ ૫ ઇસી	૦.૦૦૫	૧૦ મિલી	૧૦ લિટર	૩૦ (અન્ય પાકમાં)	BQL	પ્રોપીકોના ઓલ ૨૫ ઇસી	૦.૦૨૫	૧૦ મિલી	૧૦ લિટર	૩૦ (અન્ય પાકમાં)	BQL	સલ્ફર ૮૦ ડબલ્યુ પી	૦.૨	૨૫ ગ્રામ	૧૦ લિટર	--	---																														
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		5. Diversity of fungal endophytic communities from paddy (<i>Oryza sativa</i> L.) and their antagonistic activities in <i>in vitro</i> Fungal endophytic communities isolated from paddy (GNR-3) viz., <i>Alternaria alternata</i>, <i>Daldinia eschscholtzii</i>, <i>Daldinia korfii</i>, <i>Orbilia foliicola</i>, <i>Curvularia lunata</i>, <i>Aspergillus terreus</i>, <i>Aspergillus</i> sp., <i>Aspergillus niveus</i>, <i>Trichoderma harzianum</i>, <i>Penicillium citrinum</i>, <i>Xylaria feejeensis</i>, <i>Trichoderma erinaceum</i> and <i>Aspergillus flavus</i> were more at milky and dough stage. <i>Aspergillus niveus</i> found to have antagonistic potential against <i>Sclerotium oryzae</i> and <i>Aspergillus flavus</i> found to have antagonistic potential against <i>Pyricularia oryzae</i> and <i>Sarocladium oryzae</i>																																																										
2024-25	Plant Pathology	6. Compatibility of fungicides and insecticides with <i>Trichoderma viride</i> The farmers are advised to refer the following table for mixing <i>Trichoderma viride</i> with different fungicides, insecticides and antibiotic. ખેડૂતોને જુદી જુદી ફૂગનાશિ, કીટનાશકો અને જીવાણુનાશક સાથે : ટ્રાયકોડર્મા વિરીડીને ભેળવવા માટે નીચે દર્શાવેલ કોષ્ટકને અનુસરવાની ભલામણ કરવામાં આવે છે. Table-1: Compatible chart for fungicides, insecticides and antibiotic with <i>Trichoderma viride</i> <table><tr><th rowspan="2">S N</th><th rowspan="2">Fungicides, Insecticides and Antibiotic</th><th colspan="8">Concentration (ppm) (g or ml/10l)</th></tr><tr><th>PP M</th><th>(g or ml/10l)</th><th>PPM</th><th>(g or ml/10l)</th><th>PPM</th><th>(g or ml/10 l)</th><th>PPM</th><th>(g or ml/10l)</th></tr><tr><td>1</td><td>Azoxystrobin 23SC</td><td>250</td><td>10.08</td><td>500</td><td>21.70</td><td>750</td><td>32.6</td><td>1000</td><td>43.4</td></tr><tr><td>2</td><td>Fosetyl-AL 80WP</td><td>250</td><td>3.10</td><td>500</td><td>6.30</td><td>750</td><td>09.4</td><td></td><td></td></tr><tr><td>3</td><td>Sulphur 80WP</td><td>500</td><td>6.30</td><td>1000</td><td>12.50</td><td>2000</td><td>25</td><td></td><td></td></tr><tr><td>4</td><td>Streptomycin Sulphate 90 + TetracylinHy</td><td>100</td><td>1.00</td><td>150</td><td>1.5</td><td>200</td><td>2</td><td>250</td><td>2.5</td></tr></table>	S N	Fungicides, Insecticides and Antibiotic	Concentration (ppm) (g or ml/10l)								PP M	(g or ml/10l)	PPM	(g or ml/10l)	PPM	(g or ml/10 l)	PPM	(g or ml/10l)	1	Azoxystrobin 23SC	250	10.08	500	21.70	750	32.6	1000	43.4	2	Fosetyl-AL 80WP	250	3.10	500	6.30	750	09.4			3	Sulphur 80WP	500	6.30	1000	12.50	2000	25			4	Streptomycin Sulphate 90 + TetracylinHy	100	1.00	150	1.5	200	2	250	2.5
S N	Fungicides, Insecticides and Antibiotic	Concentration (ppm) (g or ml/10l)																																																										
		PP M	(g or ml/10l)	PPM	(g or ml/10l)	PPM	(g or ml/10 l)	PPM	(g or ml/10l)																																																			
1	Azoxystrobin 23SC	250	10.08	500	21.70	750	32.6	1000	43.4																																																			
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3	Sulphur 80WP	500	6.30	1000	12.50	2000	25																																																					
4	Streptomycin Sulphate 90 + TetracylinHy	100	1.00	150	1.5	200	2	250	2.5																																																			

[illegible]

			૧૦ લીટર		૧૦ લીટર		૧૦ લીટર		મીલી/ ૧૦ લીટર
૧	એમોક્સીસ્ટ્રો બીન ૨૩ એસસી	૨૫૦	૧૦.૮	૫૦૦	૨૧.૭	૭૫૦	૩૨.૬	૧૦૦૦	૪૩.૪
૨	ફોસેટાઈલ એલ.૮૦ વે.પા	૨૫૦	૩.૧	૫૦૦	૬.૩	૭૫૦	૯.૪		
૩	સલ્ફર ૮૦ વે.પા.	૫૦૦	૬.૩	૧૦૦૦	૧૨.૫	૨૦૦૦	૨૫		
૪	સ્ટ્રોપ્ટોસાય ક્લીન સલ્ફેટ ૯૦ + ટ્રેટાસાયક્લી ન હાયડ્રોક્લોરા ઈડ ૧૦ એસપી	૧૦૦	૧	૧૫૦	૧.૫	૨૦૦	૨	૨૫૦	૨.૫
૫	ફલ્યુબેન્ડીયા માઈડ ૭.૫૦ + કેસોક્સીમ મિથાઈલ ૩૭.૫ વે.પા	૫૦૦	૧૧						
૬	ક્લોરાન્ટ્રાની લીપ્રોલ ૧૮.૫ એસસી	૫૦૦	૨૭	૧૦૦૦	૫૪	૨૦૦૦	૧૦૮	૩૦૦૦	૧૬૨૧
૭	ક્લોરપાઈરી ફોસ ૨૦ ઈસી	૫૦૦	૨૫						
૮	એમાબેક્ટીન બેન્ઝોએટ ૫ એસસી	૫૦૦	૧૦૦						
૯	ફલ્યુબેન્ડીયા માઈડ ૨૦ વેજી	૫૦૦	૨૫	૧૦૦૦	૫૦	૨૦૦૦	૧૦૦	૩૦૦૦	૧૫૦
૧૦	લેમ્બડા સાયહેલોથ્રી ન ૫ ઈસી	૫૦૦	૧૦૦						
૧૧	નોવાલ્યુરોન ૧૦ ઈસી	૫૦૦	૫૦						
૧૨	સ્પીનેટોરમ	૫૦૦	૪૨.૭	૧૦૦૦	૮૫.૪	૨૦૦૦	૧૭૦.૮	૩૦૦૦	૨૫૬.

			૧૧.૭૦ એસસી							૪
			૧૩ ક્લોપાયરીફો સ ૫૦+સાયપર મેથ્રીન ૫ ઈસી	૫૦૦	૯	૧૦૦૦	૧૮.૧			
			૧૪ ફલ્યુબેન્ડીયા માઈડ ૭.૫૦ + કેસોક્સીમ મીથાઈલ ૩૭.૫ વે/વે. એસસી	૫૦૦	૧૧					
			૧૫ નોવાલ્યુરોન ૦૫.૨૫ + ઇન્ડોક્સાકા બ ૪.૫૦ એસસી	૫૦૦	૫૧.૨	૧૦૦૦	૧૦૨. ૫	૨૦૦૦	૨૦૫	૩૦૦૦ ૩૦૭. ૫
			૧૬ પ્રોફેનોફોસ ૪૦+ સાયપરમેથ્રી ન ૪ ઈસી	૫૦૦	૫૧.૨	૧૦૦૦	૨૨.૭			
			૧૭ ક્લોરાન્ટ્રાની લીપ્રોલ ૯.૩૦ + લેમ્બડા સાયહેલોથ્રી ન ૪ ઈસી	૫૦૦	૩૫.૯	૧૦૦૦	૭૧.૯	૨૦૦૦	૧૪૩.૮	
			૧૮ ડાઇમેથોએટ ૩૦ ઈસી	૨૫૦	૮.૩	૫૦૦	૧૬	૭૫૦	૨૪.૯	૧૦૦૦ ૩૩.૨
			૧૯ સ્પીનોસાડ ૪૫ એસસી	૨૫૦	૫.૫	૫૦૦	૧૧.૧	૭૫૦	૧૬.૫	૧૦૦૦ ૨૨.૨
			૨૦ થાયમેથોક ઝામ ૩૦ એફએસ	૨૫૦	૮.૩	૫૦૦	૧૬.૬	૭૫૦	૨૪.૯	૧૦૦૦ ૩૩.૨
			૨૧ એસીટામીપ્રી ડ ૨૦ એસપી	૨૫૦	૧૨.૫	૫૦૦	૨૫	૭૫૦	૩૭.૫	૧૦૦૦ ૫૦
2025 -26	Plant Pathology	7.	Management of damping off of tomato in field condition Tomato nursery growers/ farmers of South Gujarat are recommended to treat seeds with <i>Trichoderma viride</i> 1.5% WP (10 g/kg seeds) along with soil application of <i>Trichoderma viridi</i> 1.5% WP (50 g/m ²) and neem cake (50 g/m ²) 10 days after sowing or seed treatment with Metalaxyl 31.8 ES (2 g/kg seeds) + soil drenching of Metalaxyl 4 % + Mancozeb 64% WP (3 g/L/m ²) 10 days after sowing for effective							

		management of damping off of tomato in field condition ધરૂનાં કોહવારા રોગનું નિયંત્રણ દક્ષિણ ગુજરાતના ટામેટાનું ધરૂવાડિયું કરતાં ખેડૂતોને ધરૂના કોહવારાના અસરકારક નિયંત્રણ માટે ભલામણ કરવામાં આવે છે કે ટ્રાઇકોડેર્મા વીરીડી ૧.૫ % વે.પા. (૧૦ ગ્રામ/કિ.ગ્રા. બીજ) માવજત તરીકે તેમજ ૫૦ ગ્રામ ટ્રાઇકોડેર્મા વીરીડી અને ૫૦ ગ્રામ લીમડાના ખોળને સાથે ભેળવીને પ્રતિ ચો.મી. પ્રમાણે વાવણીના ૧૦ દિવસ બાદ જમીનમાં માવજત આપવી અથવા મેટાલેક્ઝીલ ૩૧.૮% ઈએસ (૨ ગ્રામ/કિ.ગ્રા. બીજ) બીજ માવજત તરીકે તેમજ મેટાલેક્ઝીલ ૪% + મેન્કોઝેબ ૬૪% ડબલ્યુપી (૩ ગ્રામ પ્રતિ લિટર પ્રતિ ચો. મી.) વાવણીના ૧૦ દિવસ બાદ જમીનમાં રેડવું																																								
	8.	Evaluation of compatibility of NAUROJI Azotobacter, Acetobacter, Azospirillum, Rhizobium, PSB,KMB and Pseudomonas with different agrochemicals Farmer can mix <i>Azotobacter</i>, <i>Acetobacter</i>, <i>Azospirillum</i>, <i>Rhizobium</i>, Phosphate Solublizing Bacteria, Potash Mobilizing Bacteria and <i>Pseudomonas</i> as a iofertilizer or Plant Growth Promoting Rhizobacteria (PGPR) with recommended doses of insecticides, fungicides, weedicides and chemical fertilizers as per Annexure-I જૈવિક ખાતરો જેવા કે એઝોટોબેક્ટર, એસિટોબેક્ટર, એઝોસ્પિરિલમ, રાઈઝોબિયમ, ફોસ્ફરસ સોલ્યુબ્લાયઝિંગ બેક્ટેરિયા, પોટાશ મોબિલાયઝિંગ બેક્ટેરિયા તથા છોડ વૃદ્ધિકારક રાઈઝોબેક્ટેરિયા (પીજીપીઆર) સ્યુડોમોનાસ વાપરતા ખેડૂતોને પરિશિષ્ટ-૧ માં દર્શાવેલ જંતુનાશકો, ફૂગનાશકો, નીંદણનાશકો અને રાસાયણિક ખાતરો તેમની ભલામણ કરેલ માત્રામાં ભેળવી વપરાશ કરી શકે છે Annexure-I (Agrochemicals tested for the compatibility with biofertilizers & PGPG) <table><tr><th>Insecticides</th><th>Fungicides</th><th>Weedicides</th><th>Chemical fertilizers</th></tr><tr><td>Abamectin 1.8% EC</td><td>Azoxystrobin 23% SC</td><td>2,4-D Amine Salt 58% WSC & SL</td><td>Urea</td></tr><tr><td>Acephate 75% SP</td><td>Captan 50% WP</td><td>2,4-D Ethyl Ester 38% EC</td><td>DAP</td></tr><tr><td>Acetamiprid 20% SP</td><td>Carbendazim 50% WP</td><td>2,4-D Sodium Salt 80% WP</td><td>SSP</td></tr><tr><td>Alpha-Cypermethrin 10% WP</td><td>Chlorothalonil 75% WP</td><td>Atrazine 50% WP</td><td>MOP</td></tr><tr><td>Alphamethrin 10% EC</td><td>Copper Hydroxide 77% WP</td><td>Bisprbac Sodium 10% SC</td><td>SOP</td></tr><tr><td>Bifenthrin 10% EC</td><td>Paclobutrazol 23% SC</td><td>Butachlor 50% EC/EW</td><td>Urea Phosphate 17:44:0</td></tr><tr><td>Buprofezin 25% SC</td><td>Copper Oxchloride 50% WP</td><td>Ethoxysulfuron 15% WDG</td><td>Urea Phosphate with SOP 18:18:18</td></tr><tr><td>Carbofuran 3% GR</td><td>Difenconazole 25% EC</td><td>Fenoxaprop-P- Ethyl 6.7% EC</td><td>Potassium Nitrate (13:0:45)</td></tr><tr><td>Chlorantraniliprol</td><td>Fosefyl AL 80%</td><td>Glyphosate 41% SL</td><td>Mono Potassium P</td></tr></table>	Insecticides	Fungicides	Weedicides	Chemical fertilizers	Abamectin 1.8% EC	Azoxystrobin 23% SC	2,4-D Amine Salt 58% WSC & SL	Urea	Acephate 75% SP	Captan 50% WP	2,4-D Ethyl Ester 38% EC	DAP	Acetamiprid 20% SP	Carbendazim 50% WP	2,4-D Sodium Salt 80% WP	SSP	Alpha-Cypermethrin 10% WP	Chlorothalonil 75% WP	Atrazine 50% WP	MOP	Alphamethrin 10% EC	Copper Hydroxide 77% WP	Bisprbac Sodium 10% SC	SOP	Bifenthrin 10% EC	Paclobutrazol 23% SC	Butachlor 50% EC/EW	Urea Phosphate 17:44:0	Buprofezin 25% SC	Copper Oxchloride 50% WP	Ethoxysulfuron 15% WDG	Urea Phosphate with SOP 18:18:18	Carbofuran 3% GR	Difenconazole 25% EC	Fenoxaprop-P- Ethyl 6.7% EC	Potassium Nitrate (13:0:45)	Chlorantraniliprol	Fosefyl AL 80%	Glyphosate 41% SL	Mono Potassium P
Insecticides	Fungicides	Weedicides	Chemical fertilizers																																							
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e 18.5% SC	WP	Iso-propyl-amine (IPA) Salt	(0:52:34)
Chlorfenapyr 10% SC	Hexaconazole 5% EC	Metribuzine 70% WP	Mono Ammonium P (12:61:0)
Chlorpyrifos 20% EC	Kasugamycin 3% SL	Oxadiargyl 80% WP	Ammonium Sulphate
Cypermethrin 10% EC	Kresoxim Methyl 44.3% SC	Oxyfluorfen 23.5% EC	Grade-I : Fe-2.0%, Mn-0.5%, Zn-4.0%, Cu-0.3%, B-0.5%
Diafenthiuron 50% SP	Mancozeb 75% WP	Paraquat Dichloride 24% SL	Zn-deficiency (grade-II: Fe-2.0%, Mn-0.5%, Zn-8.0%, Cu-0.5%, B-0.5%)
Fipronil 5% SC	Metalaxyl 35% WS	Pendimethaline 30 EC	Fe-deficiency (grade-III: Fe-6.0%, Mn-1.0%, Zn-4.0%, Cu-0.3%, B-0.5%)
Flubendiamide 20% WG	Myclobutanil 10% WP		Zn+Fe-deficiency (grade-IV: Fe-4.0%, Mn-1.0%, Zn-6.0%, Cu-0.5%, B-0.5%)
Imidachloprid 17.8% SL	Propiconazole 25% EC		Grade -V (Fe-2.0%, Mn-0.5%, Zn-5.0%, Cu-0.2%, B-0.5%)
Indoxacarb 14.5% SC	Pyraclostrobin 20% WG		
Lambda Cyhalothrin 2.5% EC	Sulphur 80% WP		
Thiodicarb 75% WP	Tebuconazole 25.9% EC		
Thiamethoxam 25% WG	Thiophanate Methyl 70% WP		
Profenophos 50% EC	Thiram 75% DS		
Propergite 57% EC	Triadimefon 25% WP		
Spinosad 45% SC	Tricyclazole 75% WP		
	Validamycin 3% SL		
	Zineb 75% WP		

પરિશિષ્ટ ૧: જૈવિક ખાતરો અને પીજીપીઆર સાથે સુસંગતતા માટે પરીક્ષણ કરાયેલ કૃષિ રસાયણ

જંતુનાશકો	ફૂગનાશકો	નીંદણનાશકો	રાસાયણિકખાતરો
એબેમેક્ટીન ૧.૮% ઇસી	એઝોક્સિસ્ટ્રોબિન ૨૩% એસસી	૨,૪,ડી એમાઇન સોલ્ટ ૬૪% ડબલ્યુએસસી અને એસએલ	યુરિયા
એસેફેટ ૭૫% એસપી	કેપ્ટન ૫૦% ડબલ્યુપી	૨,૪,ડી ઇથિલ ઇસ્ટર ૩૪% ઇસી	ડીએપી
એસેટામીપ્રિડ ૨૦% એસપી	કાર્બેન્ડાઝીમ ૫૦% ડબલ્યુપી	૨,૪,ડી સોડિયમ સોલ્ટ ૪૦% ડબલ્યુપી	એસએસપી

			આલ્ફા - સાયપરમેથિન ૧૦% ડબલ્યુપી	ક્લોરોથેલોનિલ ૭૫% ડબલ્યુપી	એટ્રાઝિન ૫૦% ડબલ્યુપી	એમઓપી
			આલ્ફામેથિન ૧૦% ઇસી	કોપર હાઇડ્રોક્સાઇડ ૭૭% ડબલ્યુપી	બિસ્પ્રેબેક સોડિયમ ૧૦% એસસી	એસઓપી
			બાયફેન્થિન ૧૦% ઇસી	પેક્લોબ્યુટ્રાઝોલ ૨૩% એસસી	બ્યુટાક્લોર ૫૦% ઇસી/ઇડબલ્યુ	યુરિયા ફોસ્ફેટ ૧૭:૪૪:૦
			બુપ્રોફેઝિન ૨૫% એસસી	કોપર ઓક્સીક્લોરાઇડ ૫૦% ડબલ્યુપી	ઇથોક્સીસલ્ફ્યુરોન ૧૫% ડબલ્યુડીજી	યુરિયા ફોસ્ફેટ ૧૮:૧૮:૧૮સાથે
			કાર્બોથ્યુરાન ૩% જીઆર	ડાયફેન્કોનાઝોલ ૨૫% ઇસી	ફેનોક્સાપ્રોપ-પી-ઇથિલ ૬.૭% ઇસી	પોટેશિય નાઇટ્રેટ (૧૩:૦:૪૫)
			ક્લોરાન્દ્રાનિલિપ્રોલ ૧૮.૫% એસસી	ફોસેફિલ એએલ ૮૦% ડબલ્યુપી	ગ્લાયફોસેટ ૪૧% એસએલ	મોનોપોટેશિયમ પી (૦:૫૨:૩૪)
			ક્લોરફેનાપીર ૧૦% એસસી	હેક્સાકોનાઝોલ ૫% ઇસી	મેટ્રિબ્યુઝિન ૭૦% ડબલ્યુપી	મોનોએમોનિમ પી (૧૨:૬૧:૦)
			ક્લોરપાયરિફોસ ૨૦% ઇસી	કાસુગામાયસીન ૩% એસએલ	ઓક્સાડિયાગિલ ૮૦% ડબલ્યુપી	એમોનિયમ સલ્ફેટ
			સાયપરમેથિન ૧૦% ઇસી	કેસોક્સિમ મિથાઇલ ૪૩.૩% એસસી	ઓક્સીફ્લોરફેન ૨૩.૫% ઇસી	સૂક્ષ્મ પોષકતત્ત્વ ગ્રેડ-૧ (Fe-૨.૦%, Mn-O.૫%, Zn-૪.૦%, Cu-O.૩%, B-O.૫%)
			ડાયફેન્થ્યુરોન ૫૦% એસપી	મેનકોઝેબ ૭૫% ડબલ્યુપી	પેરાક્વાટ ડાયક્લોરાઇડ ૨૪% એસએલ	સૂક્ષ્મ પોષકતત્ત્વ ગ્રેડ-૨ (Zn ઉણપ: Fe-૨.૦%, Mn-O.૫%, Zn-૮.૦%, Cu-O.૫%, B-O.૫%)
			ડિપ્રોનિલ ૫% એસસી	મેટાલેક્સિલ ૩૫% ડબલ્યુએસ	પેન્ડીમેથાલિન ૩૦% ઇસી	સૂક્ષ્મ પોષકતત્ત્વ ગ્રેડ-૩ (Fe ઉણપ: Fe-૬.૦%, Mn-૧.૦%, Zn-૪.૦%, Cu-O.૩%, B-O.૫%)
			ફ્લુબેન્ડિયામાઇડ ૨૦% ડબલ્યુજી	માયક્લોબ્યુટાનિલ ૧૦% ડબલ્યુપી		સૂક્ષ્મ પોષકતત્ત્વો ગ્રેડ-IV (Zn+Fe ઉણપ: Fe-૪.૦%, Mn-૧.૦%, Zn-૬.૦%, Cu-O.૫%, B- O.૫ %)
			ઇમિડાક્લોપ્રિડ ૧૭.૮% એસએલ	પ્રોપીકોનાઝોલ ૨૫% ઇસી		સૂક્ષ્મ પોષકતત્ત્વો ગ્રેડ-V (Fe-૨.૦%, Mn-O.૫%, Zn-૫.૦%, Cu-O.૨%, B-O.૫%)
			ઇન્ડોક્સાકાર્બ ૧૪.૫% એસસી	પાયરાક્લોસ્ટ્રોબિન ૨૦% ડબલ્યુજી		
			લેમ્બડા સાયહાલોથ્રિન ૨.૫% ઇસી	સલ્ફર ૮૦% ડબલ્યુપી		
			થિયોડીકાર્બ ૭૫% ડબલ્યુપી	ટેબુકોનાઝોલ ૨૫.૮% ઇસી		
			થિયામેથોક્સામ ૨૫% ડબલ્યુજી	થિયોફેનેટ મિથાઇલ ૭૦% ડબલ્યુપી		

			પ્રોફેનોક્સ ૫૦% ઇસી	થીરામ ૭૫% ડી.એસ		
			પ્રોપરગાઇટ ૫૭% ઇસી	ટ્રાયડીમેથોન ૨૫% ડબલ્યુપી		
			સ્પિનોસેડ ૪૫% એસસી	ટ્રાઇસાયક્લોઝોલ ૭૫% ડબલ્યુપી		
				વેલિડામિસિન ૩% એસએલ		

E. Publications

1. Research papers

Year	Research papers (International Journals)	Research papers (National Journals)	Total
2021-22	05	11	16
2022-23	03	09	12
2023-24	10	08	18
2024-25	15	01	16
2025-26	07	00	07
Total	40	29	69

Year: 2021-2022		
1.	Baria, T. T. and Rakholiya, K. B. (2021). Evaluation of the Efficacy of Different Fungicides against <i>Fusarium musae</i> , a Fruit Rot Disease of Banana. <i>Annual Research & Review in Biology.</i> , 35(12): 212-219. NAAS Rating -4.90	National
2.	Baria, T. T.; Rakholiya, K. B. and Chaudhari, A. K. (2021). Impact of Inoculation Methods and Fruit Maturity on Development of Fusarium fruit rot (<i>Fusarium musae</i>) Disease in Banana. <i>Indian Journal of Agricultural Research.</i> , 3(1):289-292. NAAS Rating -5.60	National
3.	Baria, T. T. and Rakholiya, K. B. (2021). Effect of <i>Fusarium musae</i> on cell wall degrading enzymes, total soluble sugar and total phenol content of infected banana fruits. <i>Emergent Life Sciences Research.</i> , 7(1): 21-27. NAAS Rating - 4.68	National
4.	Lokesh, R.; Rakholiya, K. B.; Thesiya, M. R. and Madagoudra, Y. B. (2021). Evaluation of bioagents against <i>Macrophomina phaseolina</i> (Tassi) Goid., causing dry root rot of chickpea (<i>Cicer arietinum</i> L.). <i>Journal of Mycopathological Research.</i> , 59(2):185-187. NAASRating -5.11	National
5.	Shekhada, M. R.; John, P.; Panara, K. N. and Ladumor, S. A. (2021). Evaluation of different fungicides, biocontrol agents and botanicals for the management of tomato early blight under field conditions. <i>The Pharma</i>	National

	<i>Innovation Journal.</i> , 10:1438, NAAS:5.23	
6.	Suansia, A. and John, Priya. (2021). Antimicrobial and antioxidant properties of medicinal mushroom Ganoderma P. Karst. <i>GSC Biological and Pharmaceutical Sciences.</i> , 17(02):106-112.: No NAAS rating	National
7.	Vaja, S. and John, P. (2021). Compatibility of <i>Chaetomium Brasiliense</i> against native biocontrol agents under South Gujarat condition. <i>Annals of Plant Protection Science.</i> , 29(2):106-109 NAAS: 4.11	National
8.	Patel, H. K.; Vekariya, R. M. and Mahatma, L. (2021). A sustainable production of lignocellulolytic enzymes and value added metabolites from banana pseudostem waste by <i>Bacillus wakoensis</i> NAULH-4. <i>Process Biochemistry.</i> 105: 42-49. NAAS Rating-9.70 https://doi.org/10.1016/j.procbio.2021.03.021	National
9.	Mahatma, L.; Pawar, D.; Patel, V.; Patel, H.; Patel, N.; Patel, R. and Mahatma, M. (2021). Insight in seed transmission of Begomoviruses. <i>Academia Letters</i> , Article. https://doi.org/10.20935/AL2303 .	National
10.	Kansara, S. S.; Patel, M. I.; John, P. and Chopada, Gopal. (2021). Poster paper entitled ‘ <i>In vitro</i> evaluation of phylloplane microflora against pathogens of tomato’ Poster presentation in virtual National Symposium on “Probing Beneficial Microorganism for Next Green Revolution” held on 25-26 th February, 2021.	National
11.	Addangadi, K. C. Sipai, A. H. and Muralidharan, C. M. (2021). Studies on Alternaria Leaf and Fruit Spot of Pomegranate caused by <i>Alternaria alternata</i> (Fr.) Keissler. <i>Environment and Ecology.</i> , 39 (4A): 1078-1085. NAAS Rating -4.87	National
12.	Baria, T.T. and Rakholiya, K. B. (2021). Innate and learned responses of antagonists against <i>Fusarium musae</i> causing fusarium fruit rot of banana. <i>International Journal of Ecology and Environmental Sciences.</i> , 3 (1):289-292. NAAS Rating -4.41	International
13.	Desai, V. K.; Rakholiya, K. B. and Patil, V. A. (2021). Efficacy of Fungicides on Grain Mold of Sorghum. <i>International Journal of Current Microbiology and Applied Sciences.</i> , 10(04):648-652. No NAAS rating	International
14.	Desai, V. K. and Rakholiya, K. B. (2021). Efficacy of bioagents for the management of sorghum grain mold. <i>International Journal of Current Microbiology and Applied Sciences.</i> , 10(03):1770-1775.	International
15.	Rakholiya, K. B. (2022). Chemical control of powdery mildew of mango. <i>International Journal of Agriculture Sciences.</i> , 14(1):11030-11032. ISSN:0975-3710 & E-ISSN:0975-9107. NAAS Rating - 4.18	International
16.	Suansia, A. and John, Priya. (2021). Mycelial biomass production of medicinal mushroom Ganoderma P. Karst. <i>International Journal of Agricultural Sciences.</i> , 17(1):15-18. NAAS Rating -4.03	International

Year: 2022-2023		
1.	Sruthy and Kansara, S. S. (2022). Evaluation of fungicides as seed treatment on dominant seed mycoflora of chilli var. GVC 101 <i>in vitro</i> . <i>Journal of Plant Development Sciences.</i> , 14(3): 361-366. NAAS Rating- 4.35	National
2.	Sruthy and Kansara, S. S. (2022). Evaluation of bioagents as seed treatment on dominant seed mycoflora of chilli var. GVC 111 <i>in vitro</i> . <i>Current Agriculture Research Journal.</i> , 10 (1): 1-8. NAAS Rating-4.98	National
3.	Das, I. K.; Gholve, V. M.; Gulhane, A.R.; Patel, M. I.; Chattannavar, S. N; Kumar, Sunil and Tonapi, V. A. (2022). Supplementing host resistance for improvement of grain mold tolerance in Kharif sorghum across locations in India. <i>Indian Journal of Plant Protection.</i> 50 (1):(14-22). NAAS Rating- 4.46	National
4.	Panara, K. N.; Rakholiya, K. B.; Patel, A. M. and Shekhada, M. R. (2022). Field evaluation of fungicides and bioagents against stem rot of tomato caused by <i>Sclerotium rolfsii</i> Sacc. <i>The Pharma Innovation Journal.</i> , 11(6): 757-760. NAAS Rating-5.23.	National
5.	Patel, A. M.; Rakholiya, K. B.; Panara, K. N. and Paladiya, S. H. (2022). <i>In vitro</i> evaluation of fungicides against <i>Colletotrichum capsici</i> (Sydow) Butler and Bisby causing anthracnose disease of chilli. <i>The Pharma Innovation Journal.</i> , 11(6): 404-406. NAAS Rating-5.23.	National
6.	Prajapati, D.R.; Thakur, N.S.; Patel, V. R., Gunaga, R. P., Mahatma, L. and Patel, D. P. (2022) Influence of Spatial Configurations on Quantitative <i>Melia dubia</i> and Qualitative Performance of Hybrid Napier (<i>Pennisetum purpureum</i> P. americanum x) and Soil Biota Status. <i>Indian Journal of Ecology</i> 49(1): 9-20 DOI: https://doi.org/10.55362/IJE/2022/3470 . NAAS Score-5.79	National
7.	Gajre, N. K.; Chauhan, H. L.; Gohil, N. B. and Tandel, D. H. (2022). Association of rice sheath mite (<i>Stenotarsa onemusspinkii</i> Smiley) with grain discoloration disease of rice. <i>The Pharma Innovation Journal.</i> , 11(8):900-901. NAAS Rating-5.23.	National
8.	Prasanna, S. L. and John, P. (2022). Assessing the <i>in vitro</i> efficacy of fungicides against maydis leaf blight of maize caused by <i>Bipolaris maydis</i> . <i>The Pharma Innovation Journal.</i> , 11:1064-1069. NAAS Rating -5.23	National
9.	Siddu Lakshmi Prasanna and Priya John. (2022). Exploring the proficiency of botanicals, bioagents and plant activators against maydis leaf blight of maize caused by <i>Bipolaris maydis</i> . <i>The Pharma Innovation Journal.</i> 1:31-36. NAAS Rating-5.23	National
10.	Sruthy and Kansara, S. S. (2022). Effect of culture filtrates of dominant seed mycoflora of chilli on seed germination and seedling vigour. <i>International Journal of Current Microbiology and Applied Sciences.</i> , 11(3): 1-10.	International
11.	Rakholiya, K. B. (2022). Chemical control of powdery mildew of mango. <i>International Journal of Agriculture Science.</i> , 14(1): 11030-11032. NAAS Rating-4.18 ISSN 0975-3710 & E-ISSN 0975-9107: NAAS:4.58	International
12.	Patel A. M.; Rakholiya, K. B. and Patel, M. I. (2022). Survey for assessment of prevalence and anthracnose disease severity in chilli. <i>International Journal of Agriculture Sciences.</i> , 14(11):11446-11889. NAAS:4.58	International

Year: 2023-2024		
1.	Radadiya, N. V.; Gevariya, T. V; Patel, M. I; Kanzariya, K. G. and Davda, B. K. (2023). Evaluation of different oils against sorghum shoot fly infesting sorghum crop. <i>The Pharma Innovation journal.</i> , 12(9): 359-363, NAAS: 5.23	National
2.	Kansara, S. S.; Chopada, G. B.; Patel, M. I.; John, P. and Solanki, V. A. (2023). Investigation of Phylloplane microflora of Tomato. <i>Research on Agricultural Sciences and Technology.</i> ,40(1), No NAAS rating	National
3.	Paladiya, S. H.; John, P.; Saranya, Sand Patel, A. M. (2023). Antimicrobial potentiality of <i>G. lucidum</i> isolate against plant pathogens. <i>The Pharma Innovation.</i> , 12:6-13. NAAS: 5.23	National
4.	Balaji, A.; Karmakar, N.; Patel, K.; Gudadhe, N.; Patel, R.; Narwade, A.; John, P. and Mishra, P. (2023). Study on dhaincha (<i>Sesbania bispinosa</i>) genotypes for N fixing capability and rate of mineralization under field and laboratory condition. <i>Org. Agr.</i> , 13:119–132, https://doi.org/10.1007/s13165-022-00420-3 . No NAAS rating	National
5.	Paladiya, S. H.; John, P.; Saranya, S. and Patel, A.M. (2023). Antimicrobial potentiality of <i>G. lucidum</i> isolate against plant pathogens. <i>The Pharma Innovation Journal.</i> , 12:6-13. NAAS: 5.23	National
6.	Nayak, A. M.; John, P.; Prasanna, S. L. and K, Farooq. (2023). Epidemiological factors responsible for powdery mildew disease in okra, green gram, black gram and wild poinsettia. <i>The Pharma Innovation Journal.</i> , 12:1298-1307. NAAS: 5.23	National
7.	Patel, H. P. and Mahatma, L. (2023). Status of Mung bean yellow mosaic virus (MYMV) on Mungbean [<i>Vigna radiata</i> (L.)Wilczek] in different districts of South Gujarat. <i>The Pharma Innovation Journal.</i> ,12(8): 1876-1887 NAAS: 5.23	National
8.	Raut, R.; Mahatma, L. and Vaniya, R. (2023). Antifungal activities of industrial clovewaste against <i>Aspergillus flavus</i> and <i>Sclerotium rolfsii</i> . <i>The Pharma Innovation Journal.</i> , 12(3): 5879-5881 NAAS: 5.23	National
9.	Saranya, S.; John, P. and Paladiya, H. S. (2023). A new carrier based bioformulation: <i>Codyceps militaris</i> L. (Link). <i>Biological forum.</i> , 15:19-23. NAASRating-4.96	International
10.	Nayak, A. M.; John, P.; Prasanna, S. L.; Khan, F. and Dhange, P. R. (2023). Identification and morpho-metric characterization of powdery mildew infecting diverse host plants of southern Gujarat, India. <i>International Journal of Plant & Soil Science.</i> , 35:153-166. NAAS Rating-5.07	International
11.	Prasanna, S. L.; John, P.; Patel, A. M.; Rathna, V. and Bhajantri, S. S. (2023). Field efficacy of fungicides, biological control agents, botanicals and plat defence activators against maydis leaf blight of maize caued by <i>Bipolaris maydis</i> . <i>Biological Forum.</i> , 15:831-836. NAAS Rating- 4.96	International
12.	Bhukya ,S.; Patil, V. A.; Shinde, C. U.; John, P.; Garde, Y. A. and Waghunde. R. R. (2023). Screening of Rice Genotypes for Bacterial Blight of Rice Under Artificial Inoculation Method and Monitoring Field Virulence of <i>Xanthomonas oryzaepv. oryzae</i> . <i>International Journal of Bio-resource and Stress Management.</i> , 14 (12):1563-1568.NAASRating- 5.40 DOI: HTTPS://DOI.ORG/10.23910/1.2023.4921a .	International

13.	Purushotham, P.; Rakholiya, K. B. and Vanani, K. D. (2023). Effectiveness of Fungicides against <i>Colletotrichum lindemuthianum</i> Causing Anthracnose of Green Gram [<i>Vigna radiata</i> (L.) Wilczek. <i>Legume Research</i> . 48(8): 1361-1368. NAAS Rating-6.80	International
14.	Joshi, R. L.; Tandel, D. H. and Divyashree. (2024). Eco-friendly management of post-harvest anthracnose of mango. <i>Agriculture Association of Textile Chemical and Critical Review Journal (AATC)</i> , 12(1): 152-155. No NAAS	International
15.	Joshi, R. L.; Vahia, C.G.; Tandel, D.H.; Sekhada, H.A.; Hirani, D. D. and Singh, S. (2023). Cultural and morphological characterization of <i>Lasiodyplodia theobromae</i> causing post-harvest stem end rot of mango. <i>Biological forum.</i> , 15 (11): 295-297. NAAS Rating- 4.96.	International
16.	Joshi, R. L.; Virani, V. B.; Sekhada, H. A.; Tandel, D.H.; Prajapati, M. D. and Singh, S. (2023). Isolation, Identification and characterization of <i>Colletotrichum gloeosporioides</i> (Penz. and Sacc.) associated with post- harvest anthracnose of mango. <i>Biological forum.</i> , 15 (10): 1643-1646. NAAS Rating- 4.96	International
17.	John, P.; Rakholiya, K. B.; Addangadi, K. and Chopada, G. (2023). Evaluation of different substrates for cultivation of oyster mushroom, <i>Pluerotus sajor-caju</i> (Fr.) Singer. <i>Current Advances in Agricultural Sciences</i> , 15(2): 181-185. NAAS Rating- 4.73	International
18.	Vanani, K. D.; Rakholiya, K. B. and Purushotham, P. (2024). Prospecting the Effectiveness of Fungicides and Bioagents against <i>Colletotrichum gloeosporioides</i> (Penz.) Penz &Sacc. <i>Journal of Advances in Biology & Biotechnology.</i> , 27(2): 216-225. NAAS Rating- 5.3	International

Year: 2024-25

1.	Kotramma, C. Addangadi, Priya John and K. B. Rakholiya (2024), Hidden microbial supporters: First report on macro-fungal endophytic diversity of rice and their antagonistic nature against the major rice pathogens under in vitro. <i>Indian Phytopathology.</i> , NAAS: 5.97 https://doi.org/10.1007/s42360-024-008003-4	National
2.	Parmar, K. A.; Rakholiya, K. B.; Patel, P. R. and Singh, Neha. (2024). <i>In vitro</i> evaluation of antagonistic effect of biocontrol agents against mango die back incited by <i>Lasiodyplodia theobromae</i> (Pat.) Griffon &Mauhl. <i>International Journal of Environmental and Climate Change.</i> , 14(1): 479-482. No NAAS	International
3.	Kapadiya, R.K.; Rakholiya, K.B. and Patel, J.V. (2024). Pathogenicity of <i>Macrophomina phaseolina</i> (Tassi) Goid. caused Stem Canker of Pigeonpea. <i>Biological Forum.</i> , 16(9): 43-45. NAAS Rating- 4.96.	International
4.	John, P.; Addangadi, K.; Suansia, A. and Vyas, M. (2024). Morphological Exploration of Lignicolous Macrofungi: <i>Xylaria</i> . <i>Microbiology Research Journal International.</i> , 34:23-28. NAAS Rating- 5.14 DOI: https://doi.org/10.9734/mrji/2024/v34i81467 . NAAS 5.14	International
5.	Muthukrishnan, G.; Kutalingam, S.; subramaiam, G.; John, P.; Ananthi Karuppaiah and Saikia, D. (2024). Synergistic Interactions of PGPR and AM Fungi in Enhancing Crop Productivity – A Winning Microbial Combination. <i>Journal of Environmental Sciences & Natural Resources.</i> , 33(3):556365. DOI: 10.19080/IJESNR. No NAAS	International

6.	Srinivas, B.; Patil, V. A.; Shinde, C. U.; John, P.; Garde, Y. A. and Waghunde, R. R. (2024). Effect of Antagonists and Botanicals against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> in vitro. <i>International Journal of Economic Plants.</i> , 11(1): 007-011. NAAS Rating- 5.07 DOI: https://doi.org/10.23910/2/2024.5088c 2024	International
7.	Saranya, S and John, P. (2024). Evaluation of compatibility of various chemical fungicides with <i>Cordyceps militaris</i> (L.) Link. <i>Agriculture Association of Textile Chemical and Critical Reviews Journal.</i> , 12: 236-240. No NAAS	International
8.	John, P.; Addangadi, K.; Muthukrishnan, G.; Srinivas, Bhukya.; Patil, V.A. and Malathi, V.G. (2024). Genome organization of satellite DNA beta molecule associated with Mungbean yellow mosaic India virus Gujarat, India., <i>Agriculture Archives: An International Journal.</i> , 3:6-11. DOI: https://doi.org/10.51470/AGRI.2024.3.2.06 No NAAS	International
9.	Waghunde, R. R., Shelake, R. M., Khunt, M. D., Italiya, A. P., Mahatma L. and Kim, J.Y. (2024) Characterization of endophytic bacteria isolated from cotton and pigeon pea for plant health management., <i>Journal of Mycopathological Research.</i> , 62(4) : 777-785, NAAS Rating- 5.11	International
10.	Patel, M.; Pandya, J.; Kansara, S.; Chopada, G.; John, Priya.; Mahatma, L.; Addangadi, K.; Patel, A. M. and Rakholiya, K. B. (2024). Effect of Various Fungicides for Controlling Powdery Mildew (<i>Erysiphe polygoni</i>) in Fenugreek (<i>Trigonella foenumgraceum</i> L). <i>Journal of Advances in Biology & Biotechnology.</i> , 27(10): 360-372. NAAS Rating 5.30	International
11.	Salaskar, Darshana.; Karmakar, Nilima.; Kumar, M.; Chaudhary, Desh Raj.; Sharma, S.; Adhikary, N. K.; Kansara, S. S.; Shaikh, N.; Banerjee, K.; Bansal, R.; Mukherjee, P. and Mukherjee, P. K. (2024). BARC Biostimulant 1, a novel <i>Streptomyces rochei</i> C3-based formulation for disease biocontrol and plant growth promotion, <i>The Microbe.</i> , 4: 100146.	International
12.	Patel, M. I.; John, P.; Kansara, S. S. and Addangadi, K. C. (2024), Effect of Weather Parameters on Red Rot of Sugarcane. <i>Biological forum- An International Journal.</i> , 16(10):67-74. NAAS Rating- 4.96.	International
13.	Patel, M. I., Pandya, J. R. and Maru, A. K. (2024). Survey for Occurrence of Root-Knot Nematodes (<i>Meloidogyne</i> sp.) in South Gujarat and Preliminary Evaluation of Medicinal Plants against Root-Knot Nematode. <i>Progressive Research: AnInternationalJournal.</i> 19(1):28-31. NAAS Rating- 4.32	International
14.	Dewada, R.; Khunt, M. D.; Tandel, D. H.; Suthar, H. and Bhimani, H. D. (2024). Isolation, characterization and <i>in vitro</i> efficacy of banana phyllospheric bacteria. <i>Emergent Life Sciences Research.</i> , 10(1):90-96. NAAS Rating- 4.68	International
15.	Hirani, D. D.; Tandel, D. H.; Joshi, R. L.; Jeslin Jose and Bhandari, K. R. (2024). The impact of pre-harvest potassium chloride spray to mitigate mango stem end rot. <i>Plant Archives.</i> , 2(2):110-111. NAAS Rating- 5.59	International
16.	Raut, R.; Mahatma, L. and Vaniya, R. (2024). Preparation of ready-to-use formulations from clove oil and their antifungal activity against <i>Colletotrichum gloeosporioides</i> , the cause of post-harvest anthracnose disease in mango. <i>Agriculture Association of Textile Chemical and Critical Reviews Journal.</i> , PP. 264-268. No NAAS	International

Year: 2025-26		
1.	Kansara, S. S.; Patel, M. I.; Prajapati, V. P.; Chawada, S. K. and Tandel, D. (2025). Investigation of Phylloplane Microflora of Banana. <i>Biological Forum.</i> , 17(1): 87-89. NAAS Rating- 4.96.	International
2.	Sipai, A. H.; Addangadi, K. and Saini, L. (2025). Management of foliar diseases of cumin by using novel fungicides. <i>Biological Forum.</i> , 17(9): 45-49. NAAS 4.96.	International
3.	Patel, K. A.; John, P and Patel, S. (2025). Field Evaluation of Different Fungicides against Anthracnose of sorghum in South Gujarat Condition. <i>Journal of Advances in Biology & Biotechnology.</i> , 28:175-182. NAAS Rating - 5.30	International
4.	Narsing, L.P.; Kandoriya, P.J.; Kansara, S. S.; Chopada, G. B.; Patel, M. I.; Divyasree and Joshi. R. L. (2025). The therapy of disease using phylloplane Bacteria. <i>International Journal of Plant & Soil Science.</i> , 37(2): 219-230. NAAS-5.07	International
5.	Prajapati, P. G.; Patel, M. I.; Kansara, S. S.; Chopada, G. B.; Ghevariya, T. V. and Patro, S. P. (2025). Review on status and importance of foliar nematode in plant pathology. <i>Biological Forum.</i> 17(7): 18-21. NAAS Rating- 4.96.	International
6.	Balaji, G.; Dinkar, V. Patil.; Kansara, S. S.; Patel, M. I.; Arunjyothi, K.; Soniya, K.; Raju, P. Kamsali. and Pastagiya, J. J. (2025). Impact of climate change on disease dynamics and integrated disease management strategies. <i>International journal of Advanced biochemistry Research.</i> , 9(7):112-119. NAAS-5.29	International
7.	Raut, R.; Mahatma, L. and Vaniya, R. (2025). Preparation of water soluble formulations from industrial clove waste and their antifungal activities against powdery mildew (<i>Oidium magiferae</i>) and Post-harvest anthracnose (<i>Colletotrichum gloeosporioides</i>) of mango. <i>Journal of phytopathology.</i> 264-268. NAAS 7.10	International

F. Students Achievements :

SRF qualified students -Plant Pathology

Sr. No.	Name of students	Reg. Number	Degree	SRF Qualifying subject	Category & Rank
SRF qualified during 2021-22					
1	Anusha Nayak	2010118007	M.Sc. (Agri.)	Plant Pathology	ST- 04
2	Mehta Kavish K.	2010118066	M.Sc. (Agri.)	Plant Pathology	SC - 50
SRF qualified during 2022-23					
1	Patel Aakash	2010119075	M.Sc. (Agri.)	Plant Pathology	ST - 06
2	Pooja Purushottam	2010119102	M.Sc. (Agri.)	Plant Pathology	OBC - 07
3	Hariprasath M	2010119035	M.Sc. (Agri.)	Plant Pathology	OBC - 62
SRF qualified during 2023-24					
1	M Ramya Krishna	2010121043	M.Sc. (Agri.)	Plant Pathology	ST & 2
2	Sandhya G	2010121087	M.Sc. (Agri.)	Plant Pathology	OBC & 10
3	Shree Laxmi	2010121093	M.Sc. (Agri.)	Plant Pathology	General & 15
4	Neha Singh	2010121053	M.Sc. (Agri.)	Plant Pathology	EWS & 4
SRF qualified during 2024-25					
1	Vinita Yadav	2010122093	M.Sc. (Agri.)	Plant Pathology	All India-140 OBC-66
SRF qualified during 2025-26					
NIL					

NET qualified students

Sr. No.	Name of students	Reg. Number	Degree	Duration	Subject/s
During the Year 2021-22					
1	Hariprasath M.	2010119035	M.Sc. (Agri)	2019-21	Pl. Pathology
2	Pooja Purushottam	2010119102	M.Sc. (Agri)	2019-21	Pl. Pathology
3	Pallavi NG	2010118090	M.Sc. (Agri)	2019-21	Pl. Pathology
During the Year 2022-23					
NIL					
During the Year 2023-24					
1	Parmar Mittal C.	1010121021	Ph.D.	2021-24	Pl. Pathology
2	Patel Payal R.	1010121029	Ph.D.	2021-24	Pl. Pathology
3	Parmar Krishna Atulbhai	1010121020	Ph.D.	2021-24	Pl. Pathology
4	Saranya S.	1010120028	Ph.D.	2020-22	Pl. Pathology
5	Vaniya Ravikumar Ganpatbhai	1010120038	Ph.D.	2020-22	Pl. Pathology
6	Rahul Joshi	1010122014	Ph.D.	2021-23	Pl. Pathology
7	Divyashree	1010122038	Ph.D.	2021-23	Pl. Pathology
8	Narsing Laxmi Prasanna	1010122042	Ph.D.	2021-23	Pl. Pathology
9	Shree Laxmi	2010121093	Ph.D.	2021-23	Pl. Pathology
10	Neha Singh	2010121053	M.Sc. (Agri.)	2021-23	Pl. Pathology
11	Rathod Sanjana Amrutlal	2010121081	M.Sc. (Agri.)	2021-23	Pl. Pathology
12	M Ramya Krishna	2010121043	M.Sc. (Agri.)	2021-23	Pl. Pathology
13	Sandhya G	2010121087	M.Sc. (Agri.)	2021-23	Pl. Pathology
14	Shekhada Hirenkumar A.	2010120099	M.Sc. (Agri.)	2021-23	Pl. Pathology
15	Joshi Rahul Laljibhai	2010120044	M.Sc. (Agri.) & Ph.D.	2021-23	Pl. Pathology
16	Aswani T	2010120006	M.Sc. (Agri.)	2021-23	Pl. Pathology
17	Siddeshappa CP	2010120103	M.Sc. (Agri.)	2021-23	Pl. Pathology
18	Kotla Swaroopa Rani	2010120057	M.Sc. (Agri.)	2021-23	Pl. Pathology
During the Year 2024-25					
Nil: NET exam was not conducted in this year					
During the Year 2025-26					
NIL					

PG Students Training/Exposure

Sr. No.	Student's Name	Reg. No.	Period	Place	Training on	Remarks
During the Year 2023-24			M. Sc .(Agri.)			
1	Neha Singh	2010121053	7 February-7 April, 2023	Asian Institute of Technology, Bangkok, Thailand	Smart Farming Technologies of Sustainable Agriculture Development	Under NAHEP-CAAST, NAU, Navsari
2	M Ramya Krishna	2010121043	7 February-7 April, 2023			
3.	Sherasiya Mahmadjuber M	2010121090	7 February-7 April, 2023			
4.	Sree Lakshmi	2010121093	March 17 to April 14, 2023	International Rice research institute, Los Banos, Laguna Philippines	Study Tour and Internship Program	
During the Year 2023-24			Ph.D.			
1	Saranya S	1010120028	7 February-7 April, 2023	Asian Institute of Technology, Bangkok, Thailand	Smart Farming Technologies of Sustainable Agriculture Development	Under NAHEP-CAAST, NAU, Navsari
2	Vaniya Ravikumar Ganpatbhai	1010120038	7 February-7 April, 2023			