

### **ACHIVEMENTS**

# Department of Agricultural Microbiology N. M. College of Agriculture Navsari Agricultural University, Navsari (Gujarat)



#### A. Student awards:

Sr. No.	Student name	Recognition	Year	Int./National/St ate/Uni level
1	Ms. Hiral Bhanderi	Best thesis award by Agro Environmental Development Society, UP	2020	National
2	Mr. Alpesh Vekariya	Second position in Online Essay Competition by AGRIVISION	2020	National
3	Ms. Hiral Bhanderi	Best poster presentation award (1 <sup>st</sup> rank)	2020	National
4	Mr. Purvesh Mendapara	Best poster presentation award (3 <sup>rd</sup> rank)	2020	National
5	Mr. Purvesh Mendapara	Best thesis award by Agro Environmental Development Society, UP	2021	National
6	Mr. Prakash Kandoriya	Best student award by "Microbiologists Society"	2024	National

#### **B. Staff awards:**

Sr. No.	Faculty Name	Recognition	Year	Int./National/ State/Uni level
1	Dr. M. D. Khunt	Best thesis award by Plant Protection Association of Gujarat, Gujarat	2017	State
2	Dr. M. D. Khunt	Best thesis award by Gujarat Association for Agricultural Sciences, Gujarat	2020	State
3	Dr. M. D. Khunt	Young Scientist Award by Agro Environmental Development Society, UP	2020	National
4	Dr. M. D. Khunt	Best oral presentation award (2 <sup>nd</sup> rank)	2020	National
5	Dr. M. D. Khunt	Best oral presentation award (1 <sup>st</sup> rank)	2022	Zonal
5	Dr. M. D. Khunt	Best oral presentation award (1 <sup>st</sup> rank)	2023	Zonal

## **C. NET qualified students**

Sr. No.	Name of the student	Reg. No.	Degree	Year
1	Bhimani Alpesh Ashokbhai	2010116009	M.Sc.	2017-18
2	Bhimani Alpesh Ashokbhai	2010116009	M.Sc.	2018-19
3	Manjushree G	2010116049	M.Sc.	2018-19
4	Swati Singh	2010121099	M.Sc.	2020-21
5	Bhimani Alpesh Ashokbhai	2010116009	M.Sc.	2020-21

## D. Post graduate/Ph.D. thesis

Sr. No.	Year	No. of M.Sc. (Agri.)	No. of Ph.D.	Total
1	2014	01	00	01
2	2016	00	02	02
3	2017	01	00	01
4	2018	04	00	04
5	2019	01	00	01
6	2020	01	00	01
7	2021	04	01	05
8	2022	04	00	04
9	2023	04	00	04
10	2024	04	00	04
11	2025	05	00	05

## **E. Research recommendations (2018 to 2021)**

Sr.	Title and Recommendation	Approval Year
1	Title :Diazotropic bacterial population and other associated microbes	
	on the phyllosphere of sugarcane	2022
	Sugarcane phyllospheric isolates Bacillus amyloliquefaciens S2.4 and	
	Enterobacter cloacae S 4.1 possesses multiple plant growth promoting	
	characters viz., ACC deaminase, siderophore production, nutrient	
	solubilization, antagonistic potential, extra cellular hydrolytic enzyme	
	secretion and plant growth hormone production under <i>in vitro</i> conditions.	

2	Title: Effect of phosphate solubilizing microbes in wheat ( <i>Triticum aestivum</i> ) under saline conditions  Scientific Information It is informed to scientific community to use native isolates <i>Bacillus subtilis</i> PSB-S (1×10 <sup>8</sup> cfu/ml) + <i>Cladosporium herbarum</i> PSF-S (1×10 <sup>7</sup> cfu/ml) along with 100% recommended dose of chemical phosphatic fertilizers in wheat for maximum phosphate solubilization in the soil with EC up to 3.79 (dS/m).	2020	
3	Title: Isolation and characterization of plant growth promoting  Actinomycetes from rhizospheric soil  Scientific Information It is informed to the scientific community that  Streptomyces enissocaesilis IB 7.2 found most potent for multiple plant growth promotion characters like nutrient solubilization, antagonistic potential, extracellular hydrolytic enzyme secretion and plant growth hormone production under in vitro conditions.		
4	Title: Isolation of important microorganisms in biodegrading crop residues  Scientific Information: It is recommended to use <i>Bacillus alkalophilus</i> RR isolate for cellulose decomposition in rice straws as it possess highest cellulose decomposition activity and considerably lowers C:N ratio.		

#### F. Publications

Sr. No.	Publications	Total
1	Practical manuals	05
2	Research papers	33
3	Books/booklets/Book chapters	06
4	Folders	11