



ACTIVITIES
Department of Entomology
N. M. College of Agriculture
Navsari Agricultural University, Navsari (Gujarat)



1. TEACHING ACTIVITIES

A. Undergraduate level

Sr. No.	Course No.	Course title	Credit
1	Ag. Ento. 3.1	Fundamentals of Entomology	2+1
2	Ag. Ento. 4.2	Principles of Integrated Pest Management	1+1
3	Ag. Ento. 4.3	Management of Beneficial Insects	1+1
4	Ag. Ento. 5.4	Pests of Field Crops and Stored Grains and their Management	1+1
5	Ag. Ento. 6.5	Pests of Horticultural Crops and their Management	1+1
6	Ag. Ento. 7.4	RAWE Programme	0+2
7	ELP 8.7	Production Technology for Bio-agent and Commercial Sericulture	0+10

B. Master's level

Sr. No.	Code	Course title	Credit
1	ENT 501*	Insect Morphology	1+1
2	ENT 502*	Insect Anatomy, Physiology and Nutrition	2+1
3	ENT 504*	Classification of Insects	2+1
4	ENT 505*	Insect Ecology	1+1
5	ENT 507*	Biological Control of Crop Pests and Weeds	1+1
6	ENT 508*	Toxicology of Insecticides	2+1
7	ENT 510*	Principles of Integrated Pest Management	1+1
8	ENT 511*#	Pests of Field Crops	1+1
9	ENT 512*#	Pests of Horticultural and Plantation Crops	1+1
10	ENT 514	Insect Vectors of Plant Viruses and other Pathogens	1+1
11	ENT 515	General Acarology	1+1
12	ENT 518*	Techniques in Plant Protection	0+1
13	ENT 519	Commercial Entomology	1+1
14	ENT 591	Master's Seminar	1+0
15	ENT 599	Master's Research	20

*Compulsory for Master's Programme; ** Compulsory for Ph.D. Programme; #One out of 511 or 512 is Compulsory; \$Cross-listed with Plant Pathology

C. Doctoral level

Sr. No.	Code	Course title	Credit
1	ENT 506	Insect Pathology	1+1
2	ENT 509	Plant Resistance to Insects	1+1
3	ENT 510*	Principles of Integrated Pest Management	1+1
4	ENT 512*#	Pests of Horticultural and Plantation Crops	1+1
5	ENT 513	Storage Entomology	1+1
6	ENT 515	General Acarology	1+1
7	ENT 518*	Techniques in Plant Protection	0+1
8	ENT 519	Commercial Entomology	1+1
9	ENT 602	Immature Stages of Insects	1+1
10	ENT 606	Recent Trends in Biological Control	1+1
11	ENT 607	Advanced Insecticide Toxicology	2+1
12	ENT 609	Advanced Acarology	1+1
13	ENT 611**	Molecular Approaches in Entomological Research	1+1
14	ENT 612**	Advanced Integrated Pest Management	2+0
15	ENT 613/ PI Path 606 ^{\$}	Plant Biosecurity and Biosafety	2+0
16	ENT 691	Doctoral Seminar-I	1+0
17	ENT 692	Doctoral Seminar-II	1+0
18	ENT 699	Doctoral Research	45

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2. RESEARCH ACTIVITIES

A. Current Research Projects

Sr. No.	Title of Project	Principle Investigator	Co-PI	Budget Head
ICAR (03)				
1	All India Network Project on Agricultural Acarology	Dr. Abhishek Shukla	-	2092
2	All India Coordinated Research Project on Honey bees & Pollinators	Dr. L. V. Ghetiya	Dr. S. R. Patel & Dr. M. R. Siddhapara	2083
3	Evaluating impact of Neonicotinoids on Pollinators	Dr. L. V. Ghetiya	Dr. M. R. Siddhapara	2099

Sr. No.	Title of Project	Principle Investigator	Co-PI	Budget Head
Plan (03)				
4	Research Studies on Mulberry Sericulture in South Gujarat	Dr. M. R. Siddhapara	-	12011
5	Strengthening Research in Biological control of Crop Pests.	Dr. M. R. Siddhapara	Dr. C. U Shinde	12947
6	Forecasting weather pests and diseases at Navsari	Mr. K. M. Patel	Dr. S. R. Patel & Dr. M. R. Siddhapara	12939
Other agency (02)				
7	To evaluate the bio efficacy of PII 8007 (20%SC) against insect pests of Sugarcane.	Mr. K. M. Patel	Dr. S. R. Patel and Dr. M. R. Siddhapara	18152
8	To evaluate the bio efficacy of Metaldehyde 2.5% pellets against snail in Cabbage	Dr. S. R. Patel	Prof. K. M. Patel and Dr. M. R. Siddhapara	18213

Note: Dr. Abhishek Shukla, Professor & Head is Project In charge of all above mentioned project.

3. EXTENSION ACTIVITIES

- Need based training to the extension workers / officers of Department of Agriculture Gujarat State, Officers / Field Staff of Sugar Factories; and farmers bring by various NGOs to strengthen their knowledge about pest- diseases and their management.
- Staff is actively participating in *Krishi Mela, Krishi Mahotsav, Khedut Din, Khedut Shibir, Seminar, Radio, Television Programme* etc.
- Department is also imparting training to the students of various rural academic institutes.
- This department is also guiding farmers through various means of extension approaches on the pest and disease incidence and their management.
- Department has well established insectorium for students, farmers, extension workers as well as scientists.
- Department has Sericulture Research Unit and Biological Control Unit through which knowledge strengthening amongst students, farmers, extension personnel as well as scientists.
- Arrange interface among Scientist-Students-Farmers.