

Future Plan

Department of Entomology

N. M. College of Agriculture

The Department crossed different mile stones with many achievements including initiation of providing printed entomological journal of different semester of UG and PG students in the erstwhile Gujarat Agricultural University. In research, successful establishment of introductory ectoparasitoid *Epiricania melanoleuca* for the management of sugarcane Pyrilla under south Gujarat conditions, till sugarcane growers entertained the effect. The Department achieved many awards in various field.

Our plan

- ✦ Advancement in teaching with field exposure to the UG/PG students.
- ✦ Preparation of documentary films as well as photographic catalogs for various insect-pests found in south Gujarat.
- ✦ Mapping of pests activities in various crops.
- ✦ Biodiversity studies on various groups of insect and mite.
- ✦ Monitoring the level of resistance in phytophagous mites against common used acaricides.
- ✦ Collection, identification and characterization of insects, mites and other arthropods under south Gujarat condition.
- ✦ Reallocate the Entomology research aspects towards biosystematics, ecology and biological control of crop pests.
- ✦ DNA barcodes based identification of new insect species under PG research.
- ✦ Monitoring the introduction and spread of invasive pests and other species of quarantine importance by employing PRA.
- ✦ Identification of superior populations / strains of natural enemies for integration in IPM programmes under changing climate and cropping pattern.
- ✦ Mass production of highly potent native natural enemies.
- ✦ Fortification and quantification of role of insect pollinators under diverse cropping pattern of South Gujarat.
- ✦ Mass production of biopesticides.
- ✦ Dynamism of IPM through awareness programs.