



Department of Plant Molecular Biology and Biotechnology
N. M. College of Agriculture
Navsari Agricultural University, Navsari - 396 450



VISION

- ❖ To undertake basic and applied molecular biology research related to current issues.
- ❖ To train Post-Graduate students in molecular biology for tackling new challenges.
- ❖ To impart training in advanced techniques in the fields of Plant Molecular Biology for students of various universities and other institute.

MISSION

- ❖ To solve the key issue of south Gujarat farming community by molecular biology intervention.
- ❖ To develop skilled trained man power in molecular biology.

MANDATE

Teaching

- ❖ Undergraduate teaching at Agriculture faculty
- ❖ Post graduate teaching

Research:

- ❖ To conduct molecular biology related research work pertaining to major crops of south Gujarat.

Extension

- ❖ To decipher the biotechnology related technical knowhow to farmers of south Gujarat.
- ❖ To disseminate biotechnology related knowledge to students of different colleges and school.

FUTURE PLANS

- ❖ Development of biotic and abiotic stress tolerant varieties of crop plants for anticipated climate changes
- ❖ Conservation of genetic resources through the use of modern tools of biotechnology like DNA and gene libraries
- ❖ Biochemical basis of tissue culture response in recalcitrance crops in which tissue culture propagation is difficult
- ❖ Research in biofortification of important cereals, vegetables and fruits
- ❖ Research in nutrigenomics, metabolomics, ionomics and metagenomics
- ❖ Identification of useful molecular markers for specific traits in different crops
- ❖ Transcriptomic analysis for different traits in cereal and horticultural crops.