

Department of Genetics & Plant Breeding

Introduction

- The agricultural institute of Gujarat came into existence in the year 1947 with four to five main departments which included the Department of Agril. Botany also. This Department was initially headed by Prof. P. M. Patel. There after many distinguished professors viz. Dr. R. M. Patel, Dr. H. A. Joshi, Dr. V. C. Amin, Dr. A. K. Sanghi, Dr. S. A. Patel, Dr. M. K. Bhalala, Dr. P. R. Godhani, Dr. A. D. Patel, Dr. P. T. Shukla, Dr. G. C. Jadeja, Dr. D. B. Patel and Dr.Sasidharan N. adorned this chair.
- During the year 2014, the Department of Agril. Botany was renamed as Department of Genetics and Plant Breeding as per the suggestions by the Peer Review Committee.
- The main activity of the department is imparting education to undergraduate and post-graduate students in the disciplines of Genetics and Plant Breeding, Plant Molecular Biology & Biotechnology. Significant Research Work is also being carried out in these disciplines.
- In this department different research schemes under RKVY, GSBTM, GOG and GOI had been operating in past with significant outcomes. The department had identified many important areas of research in crops such as rice, maize, pearl millet, mustard, sesame, soybean and vegetable crops.

About Head of the Department:

Name of Professor and Head	Dr. D. A. Patel	
Qualification	M. Sc. (Agri.) Ph.D. (Plant Breeding & Genetics)	
Specialization	Plant Breeding	
Work experience	Research : 06 Teaching : 06	
Research Publications	Research papers published	25
	Paper presented at symposia/seminar	10
	Books / Booklets	01
Number of P.G. Students guided	M. Sc.: 10 Ph.D.: 01	
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Objectives

- To strengthen the under-graduate teaching in the subject of Genetics and Plant Breeding, Cytogenetics, Molecular Biology and Biotechnology.
- To strengthen post graduate research and teaching in the above said subjects.
- To give training and practical exposure to UG as well as PG students in the area of conventional as well as molecular breeding, biotechnology and tissue culture.
- To carry out departmental research in the field of MAS, MABC & GWAS
- Giving training to the U.G. students for JRF examination and P.G. students for SRF, NET, ARS and other competitive examination and personality development.
- Extending extension services to the farmers by participation in agricultural fair, Krishi Mahotsav, Mera Gaon MeraGaurav (MGMG).

Facilities available at the department:

- UG / PG laboratories cum class rooms
- Plant Molecular Biology laboratory with ultra modern instruments
- Tissue culture laboratory for ELP students
- Departmental library with 415 Books and 404 Thesis
- Botanical garden
- Experimental field for PG & departmental experiments