

Department of Plant Physiology

INTRODUCTION

Plant Physiology is one of the core fields in agriculture which can be very supportive for horticulture, plant breeding, biotechnology, biochemistry and agronomy as well as plant protection for stress resistance research and other related field.

- The department was sanctioned vide letter no. GAU/ PLN.2/ section-1/ 2465-1/2465-2485, dated 26-12-1997 from planning officer, GAU, Ahemdabad, enduring IXth plan **but no staff has provided**. The plan schemes as a Establishment of department of plant physiology, Tissue culture and Biotechnology of Agriculture college was affiliated to the Department of Genetics and Plant Breeding previously known as Department of Agricultural Botany an important division of B. A. College of Agriculture.

The Board of Management has approved the vide notification no.AAU/RES/Plan-2/ADP/11457-62/14 dated 1-11-2014 from Director of Research, AAU, Anand the said plan scheme “Strengthening of Department of Plant Physiology, Tissue culture and Biotechnology of Agriculture College” under the control of The Professor and Head, Department of Agricultural Botany, BACA. Dr. N. Subhash was appointed as a Head for the department with reference to the Registrar letter. no. AAU/REG/ACA(37)/1297-1286/2014 dt.7-11-2014 first time.

- Actually PG in Plant physiology in **M.Sc.** was started from 1962 while **Ph.D** from 2002.
- Course offer in Under Graduate Level i.e. B.Sc.
 - As per Fourth dean (**Two Courses at BACA, two course at Horticulture wing/college, two courses at Vaso agriculture college & Polytechnique**).As and when required at **Jabugam Agriculture college-AAU**)-8 courses managed by the department
 - As per Fifth Dean (**One Courses at BACA, Vaso Agriculture college & Polytechnique, and at Jabugam Agriculture college. Two Horticultural college**) -5 courses managed by the department.
- Course offer in Post Graduate Level **M.Sc.** : 11 and **Ph.D.** : 07
- Last 5 years from the department total 17 students were passed out, 11 were M.Sc. while 6 were Ph.D

One recommendation were approved for the Scientific community in the agresco.

MANDATES / OBJECTIVES

- (1) Create infra-structure for teaching and regular research programmes in Plant Physiology and tissue culture.
- (2) To initiate departmental P.G. research programmes on various crop including physiology of various crop as well as applied field of plant tissue culture in crops of regional importance.
- (3) Imparting Training and practical exposure to UG and PG students for operating modern Plant Physiological tools viz., photosynthetic system, chlorophyll meters, leaf area instrument etc. and exposure to plant tissue culture techniques.
- (4) To initiate stress physiology related research programmes of the crops of local as well as that of Gujarat region.

FACULTY INFORMATION

Name of the faculty: Dr. Sunil J. Macwan

Designation: Assistant Professor & Head

Educational Qualification: M.Sc (Agril), Ph.D (Agril)

Specialization:

	Masters	Doctorate
Students Guided:	1	-
Students Under Guidance:	1	1

Contact Detail:

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ACTIVITIES

- Budget Utilisation

Budget Allocation (Rs. in lakh)

Budget Head	2015-16		2016-17		2017-18		2018-19		2019-20	
	Rec	Non Rec	Rec	Non Rec	Rec	Non Rec	Rec	Non Rec	Rec	Non Rec
12987-10	6.00	6.00	9.00	0.00	7.50	0.00	4.88	11.45	5.50	1.80
	2020-21		2021-22							
	Rec	Non Rec	Rec	Non Rec						
	5.00	3.35	6.60	1.40						