

AGRICULTURAL BOTANY SECTION

The section is imparting education at Under Graduate Degree levels. Different courses are offered under specialized field's viz., Genetics, Cyto genetics, Plant Breeding, Seed Production & Technology, Plant Tissue Culture and Plant Physiology.

Vision :

(A) Teaching :

- Academic Excellence (Education) vision
- Facilitating, strengthening and education system to meet future challenges.
- Development of well equipped laboratories
- Updating the students with skill for initiating new entrepreneurship development in tissue culture / biotechnology
- Development of seed testing laboratory
- Hands on training for rural use
- Establishment of PG programme in plant breeding

(B) Research :

- Exploitation of heterosis and development of hybrids
- Improvement in varieties that can withstand the biotic and abiotic stress.
- Breeding Programmes for research to hybridize the various species of crop to introduce/ transfer the desirable traits into a cultivated species of crop
- Seed production and multiplication
- Collection, Evaluation and Maintenance of local germplasm

(C) Extension :

- Awareness to adopt new technologies developed by the university among the farmers through Akashwani, Newspapers, leaflets, folders etc.
- Awareness of farmer towards use of improved quality seed.
- Selling of quality planting / seed material

Teaching Faculty profile :

Name : **Dr. Ashwini Abhijit Mankar**
Designation : Assistant Professor
Qualification : M.Sc. (Genetics & Plant Breeding),
Ph.D., DABM (Diploma in
Agriculture Business Management)
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Sectional Activities :

Academic/Teaching activity

Total 13 courses with 44 (13+31) credit loads are being taught from first to eight semesters of B.Sc. (Hons) Agriculture.

List of courses offered -

Semester	Course no.	Credits	Course title
I	BIO 111 (Remedial Course)	2(1+1)	Introductory Biology
II	GPB 121	3(2+1)	Fundamentals of Genetics
	BOT 121	2(1+1)	Fundamentals of Crop Physiology
III	GPB 232	2(1+1)	Fundamentals of Plant Breeding
	ESDM 231 (Common Course)	3(2+1)	Environmental Studies & Disaster Management
	BIOCHM 231 (Other Course)	3(2+1)	Fundamentals of Plant Biochemistry & Biotechnology
IV	GPB 243	3(1+2)	Principles of Seed Technology
V	GPB 355	2(1+1)	Crop Improvement I (Kharif Crops)
	BOT 353	1(1+0)	Intellectual Property Right
VI	GPB 366	2(1+1)	Crop Improvement II (Rabi Crops)
VII	RAWE	1(0+1)	Rural Agricultural Work Experience
VIII	ELM BOT 484	10(0+10)	Seed Production & Technology
	ELM BOT 485	10(0+10)	Tissue Culture

Laboratories :

Agri. Botany section has one distinct laboratory. The laboratory is equipped with all the essential equipments, exhibits and teaching aids.



Field / Research Activities :

This section is also associated with field and research activities wherein several field demonstrations, seed production programme and experiments are being conducted year round.



Hands on training :



Emasculation Technique



Inoculation Technique

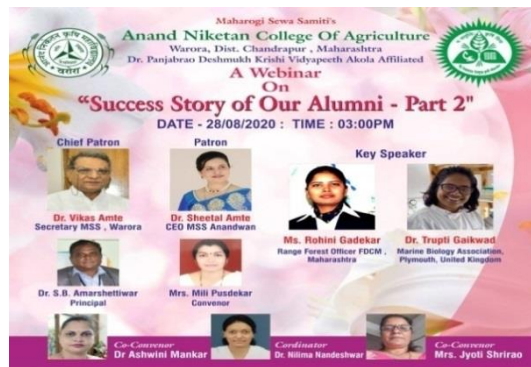


Observation of stages of Mitosis



Physical Purity Test

Organization of webinar



Achievements :

- Successful implementation of seed production programme of paddy (PKV HMT) from last three years in collaboration with MSSC, Chandrapur and Dr. P.D.K.V., Akola.
- Successful implementation of seed production programme of Soybean (JS 9305) in collaboration with MSSC, Chandrapur and Dr. P.D.K.V., Akola.
- Successful implementation of field demonstrations at college campus.
- Strengthen sectional laboratory with all the essential instruments/equipments and teaching aids.

Contact:

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