



Ashti talika shikshan prasarak mandal's
Adv. B.D. Hambarde Mahavidyalaya,
Ashti Tal. Ashti Dist. Beed

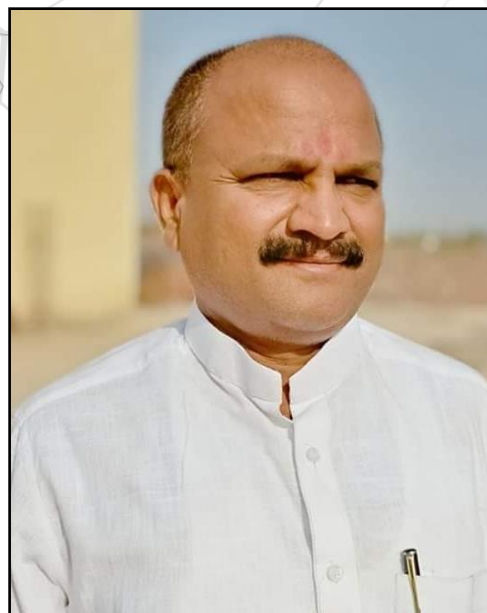


DEPARTMENT OF
BOTANY

**Father of
Botany**



Theophrastus



**Prof. Sanjay
Balkrushna
Bhandwalkar**



**Prof. Sagar
Appasaheb Sangle**

DEPARTMENT OF BOTANY

1. A) Importance of the Subject

A **career in Botany** might just be one of the most preferred careers in India. Botany as a subject is related to the study of **plants** and a career in it would mean studying in depth about *fungi, algae, plants, diseases, growth, metabolism and structure* between different groups. When planning a career in Botany, the job profile can include study of plants, research, working with industries, teaching, self employment, and being a part of many more fields.

B) Scope of Botany

A person who works in this field is called as a **botanist**. It will be the job of the botanist to study plant life along with finding solutions to problems related to that of forest and agriculture. There are also botanists who deal with space travel agriculture, artificial environments, hydroponics and various other interesting areas of research.

C) Vision of the Department

➤ A person who works in this field is called as a **botanist**.

D) Highlights of the Department

1. To impart basic education in Botany..
2. To develop experimental skills of the students in the subject
3. To develop scientific temperament
4. To prepare the students for admission to higher studies.
5. To prepare the students for employment in small scale industries.
6. To motivate the students for self-employment.

2. Introduction of Department:

A.T.S.P. Mandal's, Arts & Commerce College, Ashti established in 1972. The branch of science faculty established in June 1992 at the junior level. The under graduate education has been started from June 2006. The Botany dept. is established at the same time and started the education to first year students. The first graduation batch came out in 2009. It is the one of the best department in science faculty.

3. Objectives

1. To impart basic education in Botany..
2. To develop experimental skills of the students in the subject
3. To develop scientific temperament
4. To prepare the students for admission to higher studies.
5. To prepare the students for employment in small scale industries.
6. To motivate the students for self-employment.

4. Papers taught in Department (U.G):

Class	Name of the Papers
B.Sc. I year (Sem-I)	1. Diversity of Cryptogams
	2. Morphology of Angiosperms
B.Sc. I year (Sem-II)	3. Diversity of Cryptogams II
	4. Histology, Anatomy and Embryology
	5. Practical (III & VI)
B.Sc. II Year (Sem-III)	6. Taxonomy of Angiosperms
	7. Plant Ecology
B.Sc. II Year (Sem-IV)	8. Gymnosperms and Utilization of plants
	9. Plant Physiology
	10. Practical
B.Sc. III Year (Sem-V)	11. Cell Biology and Molecular Biology
	12. Plant Breeding and Seed Technology
	13. Plant Pathology
	14. Biotechnology
B.Sc. III Year (Sem-VI)	15. Genetics and Biotechnology
	16. Diversity of Angiosperms II
	17. Economic Botany
	18. Bioinformation
	19. Practical

5. Subject Books in Library:

Sr. No.	Medium	No. of Books
1)	Economic Botany	200
2)	College Botany	250
3)	Angiosperms	200
		Total - 650

6. Subject Books in Department:

(Personal books of the faculty kept in department)

Sr. No.	Medium	No. of Books
1)	Biodiversity	02
2)	Economic Botany	04
3)	Botany for Degree Student	01
		Total - 07

7. Periodicals in the Library:

Sr. No.	Medium	No. of Books
1)	Botany	01
2)	Biology	02
		Total-03

8. Establishment of the Department:

Sr. No.	Department	Particulars	Date of Establishment
1	UG	F.Y. B.Sc. Botany	2006-2007
2		S.Y.B.Sc. Botany	2007-2008
3		T.Y.B.Sc. Botany	2008-2009

9. Former and Present Teaching Staff Profil.

Sr No.	Name of the Heads	Qualification	Designation	Year
1	Prof.Bhandwalkar S.B.	M.Sc. B.ed	Head	2006 to till date
2	Prof.Sangle S.A.	M.Sc. B.ed	Assistant Professor	2018 to till date

10. Achievement of Department

It is one of the biggest department in the college so plays leadership role in many activities like organizing the seminars, workshop etc. Every year results of UG classes are much better than University results. Every year this department is participating in Chemiad examination conducted by BAMBU for first year students to develop interest in Botany. Many times our students have good ranking in this competitive examination. Our past students are working in Research, Academics and Industries.

11. Honors / Awards / Prizes Received: Nil

12. General Time – Table

Department of -Botany

Year-2021-22

	MON			TUE			WED			THU			FRI			SAT		
TIME	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
08.00 08.50	SSA	--	--	--	SBB	--	--	--	--	--	--	--	--	--	--	--	--	--
08.50 09.40	--	--	SBB	--	--	SBB	--	--	SBB	--	--	SBB	--	--	SBB	--	--	SBB
09.40 10.30	--	SSA	--	--	SSA	--	--	SSA	--	SSA	--	--	SSA	--	--	SSA	--	--
10.30 11.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11.20 11.30	--	--	--	--	--	I	N	T	E	R	V	E	L	--	--	--	--	--
11.30 12.20	--	--	SBB	--	--	SBB	--	--	SBB	--	--	--	--	--	--	--	--	--
12.20 01.10	--	--	--	--	--	--	--	SBB	--	SBB	--	--	SBB	--	--	SBB	--	--
01.10 02.00	--	--	SBB	--	SBB	--	--	SSA	SBB	--	--	--	SBB	--	--	--	SBB	--
02.00 02.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	SBB	--	--	SBB
02.50 03.40	--	--	SBB	--	--	SBB	--	--	--	--	--	--	--	--	SBB	--	--	--

SBB-Bhandwalkar S.B.

SSA-Sangle S.A.

**13. Total Strength of the Department:
(Class, category & gender wise)**

Year	Class	Open		OBC		NT		SC		ST		SBC		Total		Grand Total
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	
2016-17	F.Y.	33	15	16	06	09	06	05	01	00	01	00	00	78	29	107
	S.Y.	22	18	04	08	09	03	06	01	02	00	00	00	43	26	69
	T.Y.	18	13	08	05	04	04	03	03	01	02	00	00	34	27	61
	F.Y.	49	17	18	07	15	07	05	02	03	02	00	00	92	33	125
2017-18	S.Y.	20	16	04	06	09	01	01	01	01	00	00	00	39	20	59
	T.Y.	16	15	05	02	07	03	04	03	01	00	00	00	31	25	56
	F.Y.	33	19	10	04	15	05	05	04	01	00	01	00	65	32	97
2018-19	S.Y.	33	17	10	06	15	01	04	02	00	00	00	00	62	26	88
	T.Y.	11	10	02	02	05	05	01	00	00	00	00	00	19	17	36
	F.Y.	26	15	12	04	13	05	04	05	01	00	01	00	57	29	86
2019-2020	S.Y.	27	15	03	04	10	07	04	04	01	00	01	00	46	30	76
	T.Y.	25	14	10	04	07	03	05	01	01	00	00	00	49	22	71
	F.Y.	20	21	09	05	23	11	04	02	00	00	00	01	56	39	95
2020-2021	S.Y.	24	15	06	04	04	03	02	04	04	02	00	00	40	29	69
	T.Y.	20	12	07	05	04	05	05	01	01	02	02	04	39	29	68
2021-2022	F.Y.	24	18	21	09	27	09	03	03	02	02	00	02	77	44	121
	S.Y.	20	06	04	03	07	04	02	02	00	00	00	00	34	15	49
	T.Y.	12	07	06	03	05	03	03	02	02	01	00	00	28	16	44

14. Quantitative & Qualitative year-wise results:

Year	Class	Appeared Students	Pass Class 20-24	Second Class 25-29	First Class 30-37	Distinction 38-50	% Result
2016-17	B.Sc I	107	37	26	12	03	72.89
	B.Sc II	69	23	16	11	05	79.71
	B.ScIII	61	28	17	04	02	83.60
2017-18 (oct/nov)	B.Sc.I	125	43	37	15	05	80.00
	B.Sc II	63	21	17	09	08	87.30
	B.ScIII	59	26	11	07	04	81.35
2017-18 Mar/april	B.Sc I	129	42	35	17	08	79.06
	B.Sc II	66	25	11	10	05	77.27
	B.Sc III	61	29	15	07	03	88.52
2018-19 Oct/Nov	B.Sc I	97	6	16	05	01	84.53
	B.Sc II	88	45	25	01	00	80.68
	B.ScIII	36	20	08	02	00	83.33
2018-19 Mar/April	B.Sc I	86	51	14	04	01	81.39
	B.Sc II	78	44	16	02	00	79.46
	B.ScIII	73	46	17	03	01	91.78
2019-20 Oct/ Nov	B.Sc I	80	48	14	03	01	82.5
	B.Sc I	72	51	11	02	02	91.66
	B.ScIII	69	47	13	03	00	91.30
2019-20 Mar/April	B.Sc I	86	51	14	04	01	81.39
	B.Sc II	78	44	16	02	00	79.46
	B.ScIII	73	46	17	03	01	91.78
2020-21 Oct/Nov	B.Sc I	80	28	32	13	04	96.25
	B.Sc II	69	26	29	07	03	94.20
	B.ScIII	68	24	31	08	02	95.68
2020-21 Mar/April	B.Sc I	81	40	10	10	04	80.00
	B.Sc II	51	26	10	09	06	82.50
	B.ScIII	59	05	05	14	16	67.79%

15. Toppers in University Examination 2016-17 to 2020-21

B.Sc	2016-17		2017-18		2018-19		2019-20		2020-21	
	Name	%	Name	%	Name	%	Name	%	Name	%
First	Shri.Pawar Pritam S.	69.83	Miss.Kapse Ashwani V.	68	Miss. Ajabe Arti R.	78.53	Miss.Sasane Komal A.	72.40	Ajabe AratiRaju	80.20
Second	Miss.Pawar Ujwala M.	64	Miss. Marathe Sarika A.	62	Miss. Gadage Komal V.	69.70	Miss.Tamboli Muskan S.	78.12	Khanter Poonam Sunil	79.77
Third	Miss.Wandhare Kalyani S.	62.44	Shri. Pathade Komal A.	68	Miss. Galgate Anuja B.	82.40	Miss.Khose Shital P.	82.20	Malve Pooja Babasaheb	75.22

16. Use of ICT

Sr. No.	Name of the teacher	Topic	Date
1	Prof.S.B.Bhandwalkar	Cell Stucture	10/07/2017
2	Prof. S.B.Bhandwalkar	Plant Cell	21/07/2017
3	Prof. S.B.Bhandwalkar	Biodiversity	13/08/2017
4	Prof.S.A.Sangle	Mitosis	12/07/20107
5	Prof. S.B.Bhandwalkar	Fertilization	09/01/2018
6	Prof. S.A.Sangle	Miosis	15/01/2018
7	Prof. S.B.Bhandwalkar	Pritein Synthesis	02/03/2018
08	Prof. S.B.Bhandwalkar	DNA Structure	21/07/2018
09	Prof. S.A.Sangle	Economic Botany	11/08/2018
10	Prof. S.B.Bhandwalkar	Cell	30/01/2019
11	Prof. S.B.Bhandwalkar	Cell Stucture	05/02/2019
12	Prof. S.A.Sangle	Mitosis	11/01/2020
13	Prof. S.B.Bhandwalkar	Cell Stucture	15/01/2020
14	Prof. S.A.Sangle	Mitosis	16/02/2020

17. Record Of Guest Lecturers Arranged

Sr. No.	Name of Guest	Date	Topic
1	Dr. Patil A.V.	06/01/2016	Cell Structure
2	Prof. Sayyad I.G.	25/08/2016	Uses of Botany
3	Prof. Khedkar S.A.	03/01/2017	Important of Trees
4	Dr. Salve J.T.	18/01/2017	Impact of antioxidant
5	Prof. Garkar G.A.	05/02/2018	Mitosis and Miosis
6	Dr. Adsul J.M.	22/02/2019	Uses of Fruits

18. Values Added/ Certificate Course

Sr.No	Name of the Course	Year of implementation	No. of student beneficiary
1	Cultivation of Oyster Mushroom	2019-20	16

19. Workshop/Seminar/Conference organized

Sr. No.	Topic	Date	Level
1	One day National level Conference on "IMPACT OF FRUITS AND GREEN VEGETABLES ON GENERAL IMMUNITY" was organized by the Department.	05/03/2021	National

20. List Of Recognized Research Guides: Nil

21. Minor / Major Research Projects:

22. List of Publications:

Sr. No.	Name	Title of Paper Presented	Organized	Year
01	--	--	--	--

23.Paper / Article Published:

Sr. No.	Name	Published	Regional / University	State Level	National	International
1	Prof. Sangle S.A.	Seminar	--	02	--	--
		Conference	--	05	01	01
		Periodicals/ Books	--	--	--	--
		Journals	--	--	--	--
		Total	--	07	01	01
2	Mr. Bhandwalkar S.B.	Seminar	--	--	--	--
		Conference	--	--	--	--
		Periodicals/ Books	--	--	--	--
		Journals	--	--	--	--

24.FUTURE PLAN & ACHIVEMENT OF THE DEPARTMENT

Sr. No.	Activity	Year	Achivement
1	Botanical Garden	2016-17	Complited 2020
2	Plantation of Medicinal plant	2018-19	Complited 2021
4	Arrange study Tour	2018-19	Processing
5	Arrange Science Exhibition	2019-20	Processing
6	Collection of different Herbarium	2020-21	Processing

25.BEST PRACTICES:

- Special remedial coaching class
- Competitive exam classes
- Guest lectures arrangement
- Values added course
- Remedial Coaching

26. Photographs of Activities

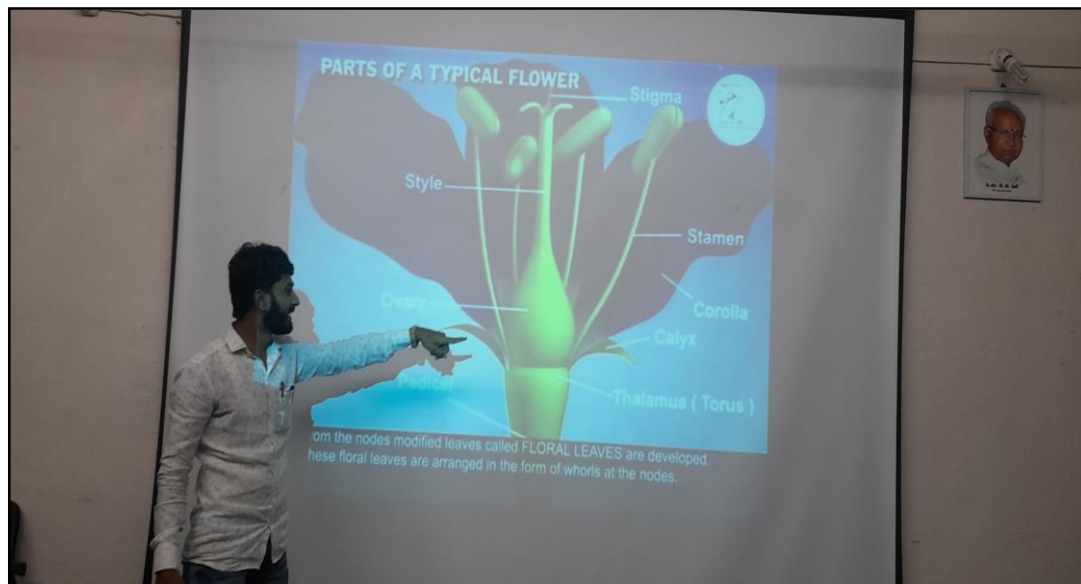


B.Sc.TY Student seminar



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Longitude: 75.202141
Accuracy: 3300.0m
Time: 22-01-2021 10:55
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Online Cropping Training



ICT Lecture

**Remember that life
holds out many
pleasing deceits to us
by the vanity of glory;
for that when we are
beginning to live, then
we are dying. There
is, therefore, nothing
more profitless than
ambition.**

-Theophrastus

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