

Navyuvak Shikshan Prasarak Mandal Chapoli's
SANJEEVANE MAHAVIDYALAYA,
CHAPOLI

Tq Chakur Dist Latur, Pin: 413513



DEPARTMENT
OF
BOTANY

Dr. Chayan Shubhangi P.

Head & Asst. Professor

Web: www.smchapoli.org

Contact No. 02381-257751

Fax No.

WEL-COME - NAAC PEER TEAM TO



Sanjeevane Mahavidyalaya, Chapoli

About the Department

The department of Botany is one of the major departments of Sanjeevane Mahavidyalaya Chapoli, which was started in 2002 with the objective of excellence in teaching and research in major areas of Plant Sciences in general. It is working in the field of Botany to provide technically trained persons to the growing agriculture industry of the state as well as of the nation. It is a core department of the college, consists of well-equipped laboratory. The department is engaged in teaching as well as extension of the research work to the field. The Department maintains a Botanical garden since inception, a treasure of plant wealth, conservatory of rare, endangered species, trees and shrubs which are witness of glorious era of the Botany Department, catering to the needs of young botanists of today, attended by skilled gardeners.

Objectives of the Department

- **To create interest about Botany among the students and provide adequate knowledge of the subject**
- * **To develop the students interest in the field of research and higher education.**
- **To provide greater access for higher education to all and in particular to the socially and educationally unprivileged youth upholding the principle of social equity.**
- **To enhance the status of Departments in the fields of knowledge generation and dissemination by pro-actively supporting cutting-edge research**
- **To offer educational programmes catering the current and future needs of society, region and industries.**
- **To provide inspiring/conducive academic, social and cultural experience/atmosphere to the students, teachers and staff facilitating realization of their full potential and all-round development.**
- * **Extensive use of ICT for teaching, information dissemination, administrative/ financial / examination processes**

Future Plans of the Department

- * Develop the Lab to farm activities**
- * Encourage the students to establish various agri based start ups**
- * Subscription to National & international Research journals**
- * Establishment of Research Centre**
- * Project based funding to teachers and students for research**
- * Programmes for research awareness for excellence in research and innovation**
- * National and International Collaborations**
- * Research Centre for Regional Development**
- * Projects from state and central government agencies**

Present staff of the department

Teaching staff

Sr No	Name	Educational qualification	Designation	Date of appointment
1	Dr. Mrs. Chavan S. P.	M.Sc. B.Ed. Ph.D.	Head and Asst. Professor	25/11/2014
2	Dr. Aradwad R.P.	M.Sc.M.Phil.Ph.D .	Asst. Professor on CHB	

Non Teaching Staff

Sr.No	Name	Educational qualification	Designation	Date of appointment
1	Mr.S.B.Bamne		Lab Attendant	01/06/2009
2	Mrs. V.M. More	H.S.C.D.Ed.	Lab attendant	01/06/2009

Programmes offered by the Department

Teaching

- ❖ **Bachelor of Science (B.Sc.) BOTANY -I**
- ❖ **Bachelor of Science (B.Sc.) BOTANY - II**
- ❖ **Bachelor of Science (B.Sc.) BOTANY -III**

Extension

The department is actively helping the farmers by providing the technical skill of various fields like Pharmacology, plant pathology, etc.

- ❖ **Importance of Medicinal plants in day to day life of local people**
- ❖ **Conservation of the medicinal plants**
- ❖ **Developing easy techniques to use the medicinal plant parts as the medicine on various diseases**
- ❖ **Plant diseases and their protection**
- ❖ **Plant protection from various pathogens**
- ❖ **Soil and water conservation**

Departmental Extension Activities



Field visit and guidance on crop diseases to local students by the faculty



Field visit with studentd



Profile of the Department

No. of Teaching staff	:	02
No. of Non-teaching staff	:	03
No. of students	:	167
Student / teacher ratio	:	83.5:1
Computers/laptops	:	01
Class room with ICT facility	:	01
Broadband/Wi-Fi facility	:	Available
Laboratories	:	01
Permanent slides	:	50
Models	:	03

Infrastructure of the Department

Name	Dimensions
B.Sc. Laboratory	24 X 16 (feet)

List of Equipment's in the Department

Sr.No.	Name of the Instrument	Quantity
1	Compound microscope	51
2	Dissecting microscope	1
3	Binocular research microscope	2
4	Autoclave	1
5	Hot air oven	1
6	Water bath	1
7	Electronic balance	1
8	Colorimeter	1
9	Centrifuge machine	1
10	pH meter	1

Faculty Research Projects

Name of the faculty	Major/Minor	Sanctioning authority	Title of the project	Amount sanctioned	Status of the projects

Research Publications by the Faculty

Sr.No.	Name of the faculty	International Level	National Level	Article in book
1	Dr.Mrs.S.P.Chavan	2	4	1
2	Mr. R.P.Araddwad	2	7	

Seminars/Workshops/Conferences/Short term courses attended by the Faculty

Sr. No.	Name of the Faculty	Seminars/Conferences/Workshops	Short term courses
1	Dr.Mrs.S.P.Chavan	13	1
2	Mr. R.P.Aradwad	5	

List of Publications

Dr. Mrs. S.P.Chavan

Chavan S.P. and Korekar S.L.(2011) A survey of some Medicinal plants for fungal diseases from Osmanabad district of Maharashtra state, Recent research in science and technology,3(5):15-16

Chavan S.P. and Korekar S.L. (2011) A survey of some aromatic plants for fungal diseases from Osmanabad district of Maharashtra state, *Bionano frontier, proceeding of National conference on “Role of non agricultural institutions in the improvement of agricultural technology”* at shrikrishna Mahavidyalaya Gunjoti,pp 113-114

List of Publications to be continued.....

Chavan S.P. and Sanap S.B. (2018) Compost manures for the quantitative and quantitative improvement of Trigonella, *Bioscience discovery*, 389-395

Chavan S.P. and Sanap S.B. (2018) Studies on fungal contamination in selected stored medicinal plant parts, *Science park*,1-4

Sanap S.B, Chavan S.P. (2020) Biogas production from domestic waste: Green initiative towards “SwachhVision, *Research Review* ,01-05

Dr.R.P.Aradwad

1. **Aradwad, R.P.,**Ladda, R.G. and Ambhore,J.S.(2012) Aerobiological spores studies on Groundnut field
2. **Aradwad, R.P.,**Ladda, R.G. and Ambhore,J.S.(2012) Studies of Aerospores on gram field
3. Ladda, R.G., **Aradwad, R.P.** and Ambhore,J.S.(2012) Aerobiological spores on safflower field

- 4. Ladda, R.G., Aradwad, R.P. and Ambhore,J.S.(2012) Studies on aerospores on Sunflower field**
- 5. Ladda, R.G., Ambhore,J.S. and Aradwad, R.P. (2013) Studies on Identification of Traditional medicinal plants as remedies on piles by traditional practiceners**
- 6. Ladda, R.G., Aradwad, R.P. and Ambhore,J.S.(2013)Studies on Medicinal plants in Marathwada region**
- 7. Ladda, R.G., Aradwad, R.P. and Ambhore,J.S.(2013) Studies on Tradional Medicinal plants in Aundha forest**
- 8. (2016)Biodiversity of freshwater algaeof Limboti water resorvior of nanded dist. Latur of M.S. India**
- 9. Use of algae as a bioindictorto determine water quality of Gharni dam Tq. Chakur Dist Latur M.S. Indi**

Alumni of the Department

Sr. No.	Name of the Student	Place
1	Shetkar Pooja Gangaprasad	Chapoli
2	Sirsathe Vanashree Tryambak	Naigaon
3	Aatar Seema N.Begum	Ahmedpur
4	Mundhe Ganpati Madhav	Himpalner
5	Pathan Osman Ayubkhan	Ahmedpur
6	Sawant Shivaji Bhaskar	Naigaon
7	Yerme Vishal Vijaykumar	Walsangi
8	Sonwane Pramod Bharat	Naigaon
9	Biradar Madan Vithalrao	Chapoli
10	Thadkar Vandana Baburao	Ahmedpur
11	Panchal Bhagyashri Manohar	Himpalner
12	Arrawal Rahul Sureshchandra	Latur
13	Deshmukh Imran Farukh	Chapoli
14	Shaikh Isha Fatima Abdul Kadir	Ahmedpur

Co-curricular Activities

To supplement classroom teaching, the department organizes following co-curricular activities.

a) Guest lectures:

Guest lectures are arranged on various topics

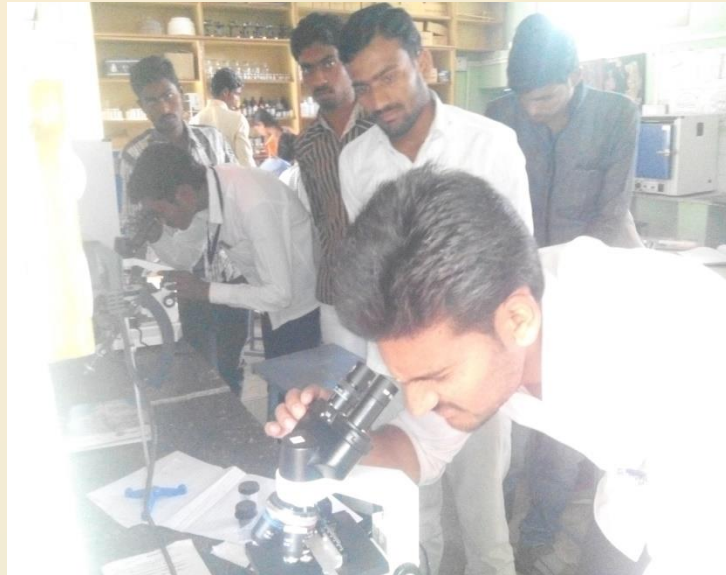
b) Seminars by Students:

The department organizes seminars by the students of B.Sc. students. Students of all classes participate in this activity. Students select the topic of seminar, prepare their notes and give seminar on that topic followed by discussion. At the end of the seminars teachers give additional suggestions on the topic and performance of the student.

Students delivering seminars



Students engaged in practicals



c) Study tours

1) Field trips

The department organizes trips to crop fields for the study of plant diseases.

2) Short tours

Department organize short study tour to nearby area to collect plant material.

After collection, the material brought to laboratory, identify, classify and preserved for future study.

3) Long tours

Long tours are also organized by the department for the student enrichment.

During tour students learn new ideas and vision about life science. It became helpful in personality development of the student.

4) Visit to Research center:

Research center visit is also frequently arranged by the department for B.Sc. students, during which the students interact with experts and ask their queries

Students collecting samples on field trips



Study tour



Study tour



Visit to research center



Botanical garden

Department of Botany is developing a Botanical garden in the college campus. Besides ornamental plants, the garden is also having plants of botanical interest. With angiosperm plants of different families some medicinal plants are planted in the garden and some are naturally grown.

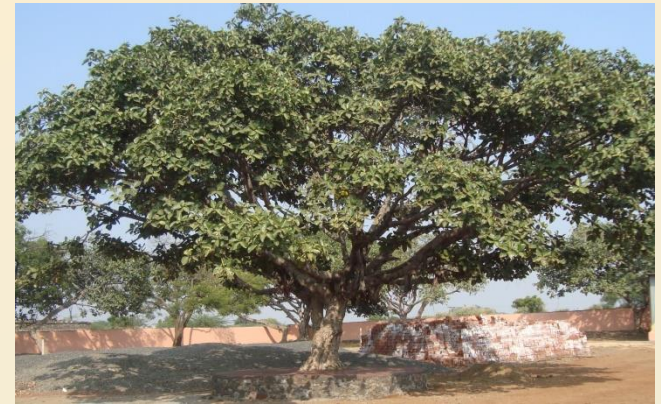


Plants of Botanical garden

Plants cultivated in Botanical garden



Naturally grown medicinal trees in campus



Students working in Botanical garden





THANK YOU