

Departmental Profile



1. Name of the Department : **BOTANY**
2. Year of Establishment : UG - 1994 (Reopen in 2003)
3. Infrastructure of the Department : UG Lab -600 Sq. ft.
4. Details of Staff Members : 01 (Senior College)

Name of the faculty members	Educational Qualification	Designation	Experience (Yrs)		Specialization
			Teaching	Research	
1 Dr. M. Nafees Iqbal	M.Sc., B.Ed., M.Phil., Ph.D	Assistant Professor	08	13	<i>Angiosperm Taxonomy, Phytochemistry & Pharmacognosy</i>
2 Mr. Shivdas R. Aher	M. Sc. NET.,SET	Assistant Professor	01	02	<i>Angiosperm Taxonomy, Phytochemistry & Pharmacognosy</i>
3 Miss. Snehal N. Dhawale	M. Sc. NET.,SET	Assistant Professor	01	01	<i>Angiosperm Taxonomy, Phytochemistry & Pharmacognosy</i>

5. Details of Administrative/ Technical Staff:

Sr. No.	Name of Technical Staff	Qualification	Designation
1	Mr. Gagandra Khadse	12 th	Lab Assistant
2	Mr. Ravi Gadghe	12 th	Lab Attendant

6. Students Strength from 2014-2019

➤ **ENROLLED STUDENTS IN BOTANY SUBJECT**

First cycle strength										Second Cycle Strength											
Class	B. Sc. I			B. Sc. II			B. Sc. III			Total	Class	B. Sc. I			B. Sc. II			B. Sc. III			Total
Session	M	F	T	M	F	T	M	F	T	Total	Session	M	F	T	M	F	T	M	F	T	Total
2009-10	32	18	50	09	07	16	07	08	15	81	2014-15	40	32	72	18	18	36	05	10	15	123
2010-11	29	18	47	05	09	14	05	02	07	68	2015-16	29	42	71	24	23	47	11	12	23	141
2011-12	25	15	40	14	13	27	05	13	18	85	2016-17	37	38	75	16	39	55	08	15	23	153
2012-13	31	25	56	12	09	21	01	10	11	88	2017-18	29	44	73	17	18	35	08	36	44	152
2013-14	44	35	79	17	17	34	09	08	17	130	2018-19	29	32	61	20	39	55	14	24	38	154

As compare to first cycle strength of the students increased by **37.99 %**

7. Success rate of each program. Its comparison with University results:

Program	2014-15	2015-16	2016-2017	2017-2018	2018-2019
B.Sc. I	46.42%	69.35%	53.44%	90.16	58.69
B.Sc. II	67.64%	27.27%	64.81%	64.28	91.42
B.Sc. III	33.33%	40.90%	69.56%	95.23%	91.42%

8. Number of faculty members on University Bodies / and other academic bodies and social organizations. Their role in curriculum designing and college development.

: Nil

9. Learning resources of Department (Laboratories, Computers / Internet / Departmental library etc.)

- ✓ Departmental Laboratories – Separate Laboratories for U.G.
- ✓ Computers / Internet - faculty members have their own laptops.
- ✓ No Departmental library.

- ✓ LCD projector for essential routine lecture as well as seminars.

10. Enhancement of the resources during last three years.

- ✓ Internet facility for the teaching staff, and UG students.
- ✓ LCD projector for lectures and seminars.
- ✓ Up gradation of Laboratories with equipments like, Soxhlet Apparatus, Incubator , Hot Air Oven, Centrifuge etc.
- ✓ Laboratory Visit is conducted every year to visit different research laboratories of colleges.
- ✓ Guest Lectures of specialist teachers in fields related to Plant sciences are arranged under the banner of Guest Lecture series.
- ✓ Botany software use for the betterment of teaching learning process.

11. Modern teaching methods in use:

- ✓ The most faculty members actively make use of audio visual aids to make the teaching effective.
- ✓ Along with books the faculty members also make use of internet for up gradation of their teaching material.
- ✓ With the modern audiovisual aids the faculty members also make use of models and charts in the process of teaching.
- ✓ To make the teaching learning process more efficient the students are encouraged to deliver seminars and group discussion, quiz competitions etc.

12. Conferences/ workshops/ seminars/ symposia organized by the Department.

- ✓ Five workshop organized by the department for students for encourage them and to cultivate the scientific temper among them.
 - 1) Research Methodology & Funding for Project
 - 2) Medicinal Plants & Natural Remedies
 - 3) State Level Poster Competition Workshop
 - 4) Plants & Environmental Relationship
 - 5) Teachers Coordinators Workshop for Avishkar events
 - 6) Washim District Avishkar Competition

13. Evaluation methods:

- ✓ To evaluate the student's performance, regular unit tests and annual test examination (both in theory and practical) are conducted.

- ✓ Quiz, Seminars and poster presentation are encouraged to evaluate student's interest in academic as well as extracurricular activities.
- ✓ The staff members also use to evaluate the students on the basis of their behavior in the classroom as well as college premises.

14. Participation of teachers in academic activities other than teaching and research:

- All the members of department have active participation in various co-curricular and extra curricular activities of the college. They have worked as member of several committees for organizing seminars, youth festival, sports meet, admission and other cultural activities.
- **Dr. M. N. Iqbal involved** in the college web site development, Library Advisory Committee & Research Committee.
- **Mr. Shivdas Aher** involved in Extension committee, Scholarship Committee Academic and administrative development Committee
- **Miss. Snehal Dhawale involved in Competitive Exam Committee.**
- All other staff members are working as members of various committees.

15. Research activities:

A. Research papers published	:	28
B. Research projects	:	Major Research Proposed to UGC
Research projects completed	:	Nil

16. Books published by the staff members: 01 Text Book & 01 Chapter in Book

17. Participation of the staff in extension activities:

- Dr. M. N. Iqbal extends the knowledge of Medicinal plants and other aspects related to the subject.
- Each faculty member of the department sponsors an award (Teacher sponsor awards) for the top rankers in University examination from each class.
- All faculty members actively guide the students of various secondary and higher secondary education institutes in the city for the projects.

18. Activities of the students:

- Seminar Competition, Group Discussion and Poster Presentation.

POSTER PRESENTATION HELD EVERY YEAR IN DEPARTMENT OF BOTANY



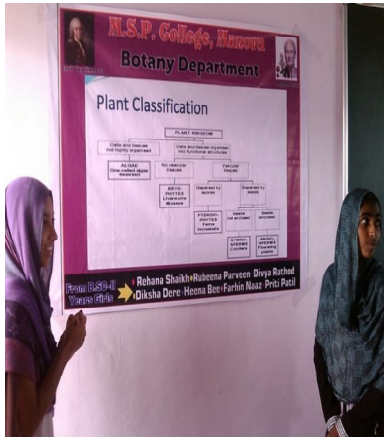
Dr. M. N. Iqbal observing Poster



Miss. Mayuri Hande Introducing the Jury



Mr. S. D. Ingole Jury asking the question during poster competition



Final Year Students Ku. Rehana & Rubina presenting the Poster



Mayuri Upadhy presenting the Poster



Shivani Thakare Presenting the Poster

Seminar Presentation Department of Botany



Students Delivering the Seminar

Students of B.Sc. – III year Presenting seminar on different topics of Chemistry.



Students of final year discussing on different topics of chemistry.



Students presenting posters in Poster Presentation Competitions.

SEMINAR AND PROJECT

- Students of B. Sc – II year presented poster on various topic
- Students of B.Sc – III year completed the project on various topic .

2015-16	Participants in Seminar /Poster	Project Assignment Submitted by
B.Sc – II	26	00
B.Sc – III	20	22



GROUP DISCUSSION PHOTO GALLERY



Students of B.Sc III Year Performing the Group Discussion



B.Sc I Year Students Performing the G.D



B.Sc II Year students Discussing on the given Topic

- Regular Field visit of UG Students to research laboratory.

Botanical Excursion & Field Visit



Students observing the field



Miss. Mayuri Madam Explaining Field Plant



Botanical Excursion



Medicine Man with Students

Study tour in the nearby places and observe biodiversity.



Group Photo at Chikhaldara



Dr. M. N. Iqbal explaining Gymnosperm Plant



Tissue Culture Lab of PDKV Akola



- Science Day celebration.



Every year on 28th Feb Department celebrate the National Science day by keeping different Intercollegiate competition like Seminar and poster.

Botanical Association



Workshop Organized by Botanical Association

SUBJECT ASSOCIATION

Session-2014 -2015
Subject Association Governing Body

Sr. No.	Name of Student	Designation	Class
1	Ku. Dhanashree O. Chavhan	President	B.Sc. III
2	Ku. Rehana Parvin	Vice-President	B.Sc. II
3	Ku. Nilofer Jahan Sk.Salam	Treasurer	B.Sc. I
4	Ku. Roshani B. Mange	Member	B.Sc. III
5	Ku. Nikita V. Thakare	Member	B.Sc. III
6	Ku. Poonam Rathod	Member	B.Sc. II
7	Ku. Rubeena Parveen	Member	B.Sc. II
8	Ku. Asmita M. Rathod	Member	B.Sc. I



Students Organized National Science Day

SUBJECT ASSOCIATION

Session-2015-16
Subject Association Governing Body

Sr. No.	Name of Student	Designation	Class
1	Ku. Rubeena Parveen Shah	President	B.Sc. III
2	Ku. Asmita M. Rathod	Vice-President	B.Sc. II
3	Poonam A. Patil	Treasurer	B.Sc. I
4	Shaharukh Sakoor Shaikh	Member	B.Sc. III
5	Ku. Rehana Parvin	Member	B.Sc. III
6	Ku. Nilofer Jahan	Member	B.Sc. II
7	Ku. Laxmi S. Ingole	Member	B.Sc. II
8	Sanskriti S. Padghan	Member	B.Sc. I

- **Extension Activity**

AN EXTENTION ACTIVITY

Department of Botany

"GENERATE AWARENESS OF PLANTS AND ENVIORNMENTS IN HIGH SCHOOL & JUNIOR COLLEGE STUDENTS OF MANORA"

VISION STATEMENT

Strive for understanding the diversified facets of plant science motivating young talents and society to unravel the prime role of plants in evolution and synergy of nature.

MISSION STATEMENT

Committed to achieve the academic excellence and promote research towards strengthening the students' competence to fetch more and more opportunities in the field of plant science for better understanding of biodiversity and conservation strategies to sustain the life on mother earth.

AIMS & OBJECTIVES OF THE DEPARTMENT.

To share experiences and explore the roles of state-of-the art science, methods, tools, processes, engineering, planning and policy as applied to biodiversity, ecosystem and climate change restoration efforts. The focus of the extension activity is to link science, practice, and sustainable decision making by bringing together the biodiversity, ecosystem and climate change services community from around the Manora region. The aim of this activity is to produce awareness, innovations, recent practices and its knowledge, Challenges and opportunities in the field of Plant Sciences and Environments among the student. To enable research students to acquire a specialized knowledge and understanding of selected aspects by means of a stem/branch lecture series and a research discussion with team of our students. And the main focus will be taken to the following objectives.

1. To achieve academic excellence in basic and applied aspects of plant sciences.
2. To impart basic and advanced education to students through teaching, learning, research and evaluation.
3. To motivate the students to undertake research in basic and applied thrust areas of plant sciences.
4. To inculcate scientific awareness towards protecting diversity and
5. eco-environmental management of plant resources for sustainable development.
6. To inspire the students towards better understanding and use of nature properly.
7. To inculcate scientific awareness towards conservation of plant and nature.



- Guest Lectures

Guest Lectures



Dr. M. N. Iqbal Introducing the Guest



Dr. Santosh Suradkar Delivering G. Lecture



Dr. Rupali Sirsat Delivering G. Lecture



Dr. D. V. Hande Delivering G. Lecture

Guest Lectures List

Session	Class	Name of Resource Person	Topics	Beneficiaries
2014-15	B.Sc. I	Dr. D.V. Hande <i>Associate Prof. Department of Botany, Shivaji Sci. College, Amravati.</i>	Fungi: Characters & Applications in Food, Industry, Agriculture & Medicines	72
2015-16	B.Sc. II	Dr. S.S. Rokade, <i>Assist. Professor, Late Pundalikrao Gawali College, Shirpur Jain</i>	Reproduction in the Flowering Plants	47
2016-17	B.Sc. III	Dr. Rupali Sirsat, <i>Assist. Prof., Department of Botany</i> Dr. R.G. Rathod College, Murtizapur	Plant Water Relation	23
2017-18	B.Sc. III	Dr. Santosh Suradkar, <i>Assist. Prof., Department of Botany, Gulab Nabi Azad College, Barsitakli, Akola.</i>	Mitosis and Meiosis	44
2018-19	B.Sc. III	Dr. Ranjan Kalbande <i>Assist. Prof. Assist. Prof., Department of Botany</i> Dr. R.G. Rathod College, Murtizapur	Plant Tissue Culture	38

19. Achievement of students during last 05 years :

12 Students admitted in reputed institute for P.G. in Botany Subject.

03 Students got the employment.

Student achievements

Congratulations..!

**"Participation in State Level
Poster Competition"**



Ms. Shubhangi Charandas Bhagat
*"Achieved 2nd Prize in State Level Poster Competition Held
at Shri Shivaji College, Akola.
on 2 Feb 2020."*

20. Plan of action for next three years:

- Making students aware of recent trends in Botany.
- Making well equipped laboratory in near future.
- Organizing academic events like seminar, poster & quiz competitions and workshop.
- Undertake Research Activities & Case Studies for Final Year Students.
- To organize conferences.
- To Start PG course in Botany.
- To organize certificate courses related to Job and technical instrumental skill.
- To organize training programs.
- To conduct research project to local society problems.
- To start certificate course for Environmental sustainability
- To Develop Tissue Culture lab.
- To start PG Course in Botany