

VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT
VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)
(Affiliated To RTM Nagpur University, Nagpur)



WELCOME TO DEPARTMENT OF BOTANY

ABOUT THE DEPARTMENT

The department of Botany was established in July 2006. We have three permanent faculties Dr. Nayana S. Shirbhate, Dr. V. G. Manwatkar and Dr. S. D. Yeotkar, two lab attendants Shri. S. B. Bodkhe and Shri B. L. Kadu. In our department 66 instruments costing Rs. 642238 up to 31/4/2021. Our lab is fulfilled with chemicals, glassware, materials, permanent slides, charts etc. of cost Rs. 1, 52,945. In college library has 403 books of Botany costing Rs. 2, 08,064 up to 31/04/2021 and also form a sectional library of Botany. Sectional library has total 82 different books and journals. These books are handed over to students for regular use. The department has organized field study tour for the all B.Sc. students, for systematic introduction of plants & biodiversity, collection of material, vegetation study and other studies. Students are motivated and benefited by the field visit to improve the knowledge about taxonomy, medicinal plant & flora and fauna of local area. Modern teaching methods practiced and use of ICT in teaching – learning i.e. R. B. P. T., LCD Projector, Computer, Scanner, Internet facilities, etc. available in department.

DEPARTMENTAL FEATURE

The teachers of the department interact with the students in the laboratory personally at the time of practical. During this interaction students can talk freely with the teachers. Teaching faculty can solve personal difficulties of the students & also give personal financial assistance to needy students. The faculty also does academic as well as personal counseling in selecting the proper carrier in future. Participation in Co- Curricular activities: Celebrate International Literacy Day, Essay and poster competition on different themes, Celebrate Savitribai Fule Jayanti, Rongoli competition,

Flower show, Science Day celebration, etc. We regularly conduct different social activities to develop social vision of our students like cloth bank, plantation, etc.

🏆 **PROGRAMME OFFERED: B.SC. AND M.SC.**

🏆 **FACULTY DETAILS**



Dr. Nayana S. Shirbhate

Assistant Professor and Head

(M.Sc., Ph.D., NET)

Mob. No. 9665848852

nayana2603@gmail.com

Faculty Profile attached Documents



Dr.V.G. Manwatkar

Assistant Professor

(M.Sc., Ph.D.)

Mob. No. 9423686443

m11.vijju@gmail.com

Faculty Profile attached Documents



Dr. S. D. Yeotkar

Assistant Professor

(M.Sc., M. Phil., Ph. D.)

Mob. No.9881619140

yeotkarswati@gmail.com

Faculty Profile attached Documents



Miss. S. W. Gulhane

Assistant Professor (CHB)

(M. Sc., SET)



Mr. R. S. Pawar

Assistant Professor (CHB)

(M. Sc., B. Ed.)

Mob. No. 9021819712

pawarrahul064@gmail.com



Miss. D. S. Rendhe

Assistant Professor (CHB)

(M. Sc.)

Mob. No. 8806905161

darshurendhe99@gmail.com

 SUPPORTING STAFF



Shri. Sanjay B. Bodkhe

Designation: Lab. Attendent

Date of Birth: 26.06.1979

Date of Appointment: 23.06.2000

Mob. No. 9860211646



Shri. Bhushan L. Kadu

Designation: Lab. Attendent

Date of Birth: 21.09.1977

Date of Appointment: 05.07.2005

Mob. No. 9673190716

STUDENTS ACHEIVEMENTS

1. Mr. Harshal R. Umare (Lab. Assistant At V. V. C., Samudrapur)
2. Mr. Rahul S. Pawar (Rtmnu Pet-2021)
3. Ku. Apeksha Sharad Nagose (Constable CRPF (Sport Quota)).
4. Ku. Puja Gautam Khobragade (Service At NTPC, Mohada)
5. Mr. Ankit Atmaram Tamgadge (Cleark Health Department Nagar Parishad Hinganghat)

ALUMINI OF DEPARTMENT

1. Mr. Rahul S. Pawar (M. Sc. (Botany), B. Ed. , RTMNU PET-2021)
2. Mr. Harshal R. Umare (Laboratory Assistant at Vidya Vikas Art's, Commerce and Science College, Samudrapur)
3. Mr. Akshay Uike (M. Sc. Botany)
4. Miss. Ankita Raut (M. Sc. Botany)
5. Miss. Shruti Lokhande (M. Sc. Botany)
6. Miss. Akansha S. Mishra (M. Sc. Chemistry)

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DEPARTMENT OF BOTANY

Report 2022-23

1. Faculty profile

Sr. No	NAME	DESIGNATION	QALIFICATION	EXPERIENCE(Years)
1	Dr. Nayana S. Shirbhate	Asst. Prof. & Head	M.Sc.(Bot.), Net, Ph.D,	13 years perms.
2	Dr. V. G. Manwatkar	Assistant professor	M.Sc. (Bot.), B. Ed., Ph.D.	11 year permanent
3	Dr. S.D. Yeotkar	Assistant professor	M.Sc. (Bot.), B. Ed., Ph.D.	9 year perm.

2. Students Profile

Class	Admitted Students	Appeared for exam	Pass	Success %	Fail
B.Sc. Sem. I	116	111			
B.Sc. Sem. II	111				
B.Sc. Sem. III	94	93	67	71.27%	27
B.Sc. Sem. IV	93				
B.Sc. Sem. V	102	102	26	25.49 %	76
B.Sc. Sem. VI	102				
M.Sc. Sem. I	26	26			
M.Sc. Sem II					
M.Sc. Sem.III	25	25	08	32 %	17
M.Sc. Sem IV					

3. Changes made in the courses or programmed during the past two years and the contribution of the faculty to those changes.

a) Changes made in the course of programme during the past two years

Minor changes in the syllabus of B. Sc. Semester V to VI in the subject of Botany which have been come to effect from the session 2021-22 and onwards.

4. The learning resources of the department

Library

- In Botany, our library has 415 books costing of Rs. 2,11,464.90 up to 31/04/2022 and also forms a sectional library of Botany. Sectional library has total 96 different books and journals. These books are handed over to students for the regular use by the college library.
- In Library number of Journals and Magazines.
- Provide Internet Facility and also N- List online journal are available.

5. Number of major and minor Instruments in the Department

- In Botany Department has 51 instruments Costing Rs. 6, 50, 238 up to 31/4/2021. These instruments use students for regular practicals.

6. Study Tour:

Department of Botany, VidyaVikas Arts, Commerce and Science College, Samudrapur organizes excursion for all students of UG (CBZ group) and PG (Botany) to Aura biodiversity park, Nagpur. Tour was organizes by Dr. N.S. Shirbhate and Mr. Rahul Pawar took special efforts.

7. Modern teaching methods practiced and use of ICT in teaching – learning

a) Teaching methods:

- Plain Lecture, Question-answer, Interaction, Group discussion, field study, etc.
- Explanation using Charts and Power point presentations.
- Use Smart board for teaching, smart class room available in college

b) Evaluation methods:

- Students are evaluated time to time, for that purpose following practices are conducted viz. Oral, Unit-tests, Seminars, Term-end exam., Home assignments, University

examination, surprise test and working and field based project is used through online mode on Google form.

c) Use of ICT:

- LCD Projector, Computer, Scanner, Internet facilities, smart class room etc.

8. Participation of teachers in academic and personal counseling of students

The teachers of the department interact with the students personally at the time of teaching to conduct some extra classes during remedial coaching under mentor – mentee system on zoom meeting. During this interaction students can talk freely with the teachers. From this interaction the faculty comes to know the socioeconomic background of the student. Teaching faculty can solve personal difficulties of the students & also give personal financial assistance to needy students. The faculty also does academic as well as personal counseling in selecting the proper carrier in future.

FACULTY INFORMATION

Participation/contribution of teachers to the academic activities including teaching, consultancy and research:

A) Teaching work load

Sr. No.	Name of the lecturer	Subject	Class	Periods Allotted		Total Work Load	Extra	Remarks
				L	P/T			
1	Ms. N. S. Shirbhate	Botany	B.Sc. sem. I/ II B. Sc sem. III/ IV B. Sc. III	03 0 03	06 06 03	21	01	
2	Dr. V.G. Manwatkar	Botany	B.Sc. sem. I/ II B. Sc sem. III/ IV B. Sc. III	00 03 03	06 03 06	21	01	
3	Dr. S. D. Yeotkar	Botany	B.Sc. sem. I/ II B. Sc sem. III/ IV B. Sc. III	03 03 00	03 06 06	21	01	
4	Ms. S. W. Gulhane	Botany	M.Sc. Sem I/II	01 01 01	09 00 06	18	02	

B) Participation in co- Curricular activities:

- 1. Induction Programme of Department of Botany:** Student Induction Programme was organized for the new students as soon as they come into the institution; before regular

classes start. At the start of the induction, Dr. Nayana Shirbhate H. O.D. massages the students to learn about the departmental policies, programme, practices, culture and values.

2. **Plantation:** Department carried out activity every year, plantation activity improves beautification of our campus and students become aware about the environment. A range of 50 plants were planted in college campus which includes the plants like Kadam, Neem, Karanji, Bougainvillea etc.
3. **Visit to rare and seasonal vegetables Exhibition:** As a part of Curriculum, for Botany students Department of Botany organizes local visit to rare and seasonal vegetables, Exhibition organized by Nagar panchayat Samudrapur and farmer organization. Total 24 students with two faculties visited to the exhibition.
4. **Inauguration of Botanical society and Guest Lecture:** Department of Botany planned to form the Botanical society in the beginning of the academic session for the students to motivate in curricular aspects. It is the platform of students to expose their exposure through various activities which are conducted by the department. The main purpose of the formation of botanical society is to select the student panel called Executive Council designated with different positions and execute their role while conducting the various events in the college and there is a scope to show their talents. With this programme Department of Botany also organized guest lectures for the student of B.Sc. and M.Sc. students on the topic "Mutation Breeding: Concept and Practice" by guest Dr. A.K. Aney, Prof. and Head Dept. of Botany, Science College, Pauni
5. **World Wetland Day Celebration:** Day celebrated every Year on 2nd Feb. to raise awareness about the importance of Wet land for our Planet.
6. **Science day Celebration:** On 28 February 2022, science department of our college organized a science exhibition programme on the occasion of National Science Day. Dr. Gaurav Bhosekar, Professor, Department of Chemistry, Singhgad Institute of Technology, Lonavala, M. H. was our guest on this peculiar day. This year institution decided to develop a science park in the college premises through the involvement of UG and PG students. The aim of this activity with the help of students turns waste material into useful products for garden.

Extra-Curricular activities:

1. **College and self-Development Activities**
 - Plantation; College campus, Village, Garden, etc.
 - Library facility Use; use of N-List, books reading, etc

Internet Facility Use: Use of Computer lab through students

- Physical Education: Use of Gym, games, etc.

2. Social Activities

- ❖ Cloth Bank: Our Science society successfully forms a science bank to help poor and needy people of local area and distribute cloth during pandemic situation.

C) Priority Areas of Research: -

- ❖ Ms. Nayana S. Shirbhate, Assistant Prof. & Head: Total paper published in different international and national reputed, high impact factor and Scopus indexing journals 25, Published 4 books, innovation of 2 Patents, 1 Minor research Project Sanctioned under the RGSTC Scheme No.RTMNU/DIIL/RW/2022/369 and Recognized research guide for supervising Ph.D. Scholars
- ❖ Dr. V.G. Manwatkar, Assistant Professor: Total paper published in different international and national reputed and high impact factor journals 16, published 2 book, 2 chapters in book and Recognized research guide for supervising Ph.D. Scholars.
- ❖ Dr. S.D. Yeotkar, Assistant Professor: Total paper published in different international and national reputed journals 14, published 1 book.

Place: Samudrapur

Date:- 3 May 2023


Principal
Prof. S. Shirbhate
Head Dept. of Botany
Vidya Vikas Arts, Commerce
& Science College, Samudrapur
Dist. Wardha 44. 114