



Department of Botany *(2016-2021)*

पुष्पं पुष्पं विचिन्वीत, मुलछेदम् न कारयते

1. Name of the Department	Botany
2. Year of Establishment	1970
3. Courses/ Programmes offered	B.Sc., M.Sc., M.Phil., Ph.D.

4. Teaching posts (sanctioned and filled):

Post	Sanctioned	Filled
Professor	01	01
Associate Professor	00	00
Assistant Professor	05	04
Others (CHB)	04	03

5. Faculty profile with name, qualification, designation, experience etc:

Name	Qualification	Designation	Specialization	Experience	Ph.D. student guided
Dr. S. K. Tayade	M.Sc., Ph.D.	Professor	Angiosperm Taxonomy	30	01
Miss V. K. Patil	M.Sc. NET	Associate Professor	Algology	11	-
Dr. S. S. Pathak	M.Sc., Ph.D.	Assistant Professor	Plant Tissue culture	11	-
Mr. N. K. Athawale	M.Sc., NET	Assistant Professor	Plant Physiology and Biochemistry	11	-
Dr. M. B. Jagtap	M.Sc., NET, Ph.D.	Assistant Professor	Botany	09	-
Mr. K. N. Koli	M.Sc., NET	Assistant Professor	Angiosperm Taxonomy	02	-
Mr. M. K. Dhanka	M.Sc., NET	Assistant Professor	Angiosperm Taxonomy	02	-

6. Non-teaching staff: Lab Attendant - 01, Lab Assistant-01

7. Students year wise (2016-2022)

Year	No. of students admitted	
	UG	PG
2016-17	450	22
2017-18	464	14
2018-19	501	17
2019-20	557	21
2020-21	518	22

8. The Ratio of Teacher to Students (Latest academic year): 1:104

9. Certificate Course on Horticulture Technology

Sr.No	Paper	Paper Title	Credits and Lectures
1	Paper 1	Fundamentals of Horticulture	6 Credits, Lectures 90
2	Paper 2	Nursery Techniques	6 Credits, Lectures 90
3	Paper 3	Practical based on Paper I and Paper II	8 Credits, 120 Hours

Year	No. of students admitted
2019-20	15
2020-21	11
2021-2022	11

10. Number of students passed in NET/SLET/GATE etc. (Last 5 years)

Year	Names of students qualified	Exam qualified
2016-17	Ms. Sonali Gulale	SET
2017-18	Mr. Manilal Dhanka	NET
2018-19	Mr. Keshav Koli	NET and SET
2020-21	Mr. Rohidas Pawara	SET
	Mr. Sunil Shirsath	SET
	Ms. Vijalakshami Shelke	SET

11. Meritorious Students:

COLLEGE LEVEL:

Year	Name of Students	%
UG-B.Sc. Botany		
2016-17	Barade Sushil Ramsing	78.12%
2017-18	Shinde Vaishali Narottam	81.56%
2018-19	Sonar Bhavika Rajendra	74.36%
2019-20	Sonawane Vidya Kishor	76.32%
2020-21	Nikam Diksha Sangharatha	80.18%
M.Sc. Botany		
2016-17	Patil Leena Chunilal	75.46%
2017-18	Rajput Sapana Gokulsing	86.45%
2018-19	Gavit Dinesh Jayawant	85.02 %
2019-20	Mahire Pradnya Mahendra	72.56 %
2020-21	Sonar Bhavika Rajendra	83.44%

12. Result data of the assessment period:

Sr. No.	Class	No. of students (passing percent)					
		T.Y.B.Sc. (Botany)			M.Sc.(Botany)		
		Registered students	Pass students	% passing	Registered students	Pass students	% passing
1	2016-17	14	10	71.43	15	09	60
2	2017-18	07	00	00	07	04	57.14
3	2018-19	10	10	100	07	07	100
4	2019-20	17	17	100	09	09	100
5	2020-21	39	35	89.74	10	10	100

13. Faculty in Academic bodies of University:

1) Dr. S.K Tayade - BOS Member, Botany

14. Awards/honours received by individual teachers:

Sr No	Name of the faculty	Name of the award/Fellowship	Name of the Academic Body/ Society	Level
1	Dr.S.K Tayade	Fellow of Indian Botanical Society (FBS) 2017	Indian Botanical Society	National

15. Infrastructural facilities:

- Library: Departmental Library is maintained by the staff. It contains 377 books.
- Internet facility for staff and students: Yes, Wi-fi enabled

c. Laboratories:

Name of facility	Name of Laboratory	Dimensions (ftXft).
Botany Department	Janaki Amal Lab	30x40
	J.C Bose ICT classroom	40x30
	Theophrastus Lab	40x30
	Birbal Sahani Lab	40x30
	Plant Tissue Culture Lab	08x30
	Polyhouse	560sqmt
Departmental Library	Departmental Library	10x06

16. List of Research Associates working:

Name of Research Guide	Name of Research Student	Title of the research topic	Date of Registration
Dr.S.K Tayade	Dr. M.B. Jagtap	Morphological and Anatomical Studies in some members of Cucurbitaceae	Registration No. NMU/11/Ph.D./Bot/ 77/2014

17. Areas of research interest:

Angiosperm Taxonomy, Plant Anatomy ,Algology, Plant Tissue Culture, Plant Physiology

Details of Ph.D. guide, M.Phil., PG Teacher recognition of faculties:

Name of the faculty	Letter/Ref. No.	Mode	University
Dr. S. K. Tayade	NMU/11/Pgr/Zoo/2325/2013 (Research Guide)	By Research	KBCNMU, Jalgaon
	NMU/11/Pgr/Zoo/2325/2013 (P.G. Teacher)	By Research	KBCNMU, Jalgaon

18. Publications by Faculty:

Sr. No.	Name of Faculty	Publications in peer reviewed journals		Books/ Chapters in books
1	Dr. S. K. Tayade	55(18)	Citation Index-104 h- index-06 i10 -index -03	2(-)
2	Miss V. K. Patil	05(01)		-
3	Dr. S. S. Pathak	16(04)		03
4	Mr. N. K. Athawale	09(02)		-
5	Mr. M.B Jagtap	09(04)		(01)
	TOTAL	94(29)		06(01)

19. Seminars/ Conferences/Workshops Organized/ attended:

Name of Faculty	Seminars/ Workshops/ Conferences	OC/ RC/ FDP attended
Dr. S. K. Tayade	91(48)	05(-)
Miss V. K. Patil	20(07)	04(2)
Dr. S. S. Pathak	25(16)	06(04)
Mr. N. K. Athawale	24(12)	05(03)
Mr. M.B Jagtap	25(13)	(05)

20.Seminars/ conferences/ workshops organized by the Dept:

Sr. No.	Name of Conference/ Seminars / Workshops	No. of Participants	National/ University	Dates
1	Recent Emerging Trends in Plant Sciences (RETPS-2017)	80	National	23/09/ 2017
2	eWorkshop - [Role of Communication Skills in Competitive Exams	265	State	05/09/2020
3	eSeminar - [Biodiversity Day 2021- Biodiversity and its Conservation]	546	National	22/05/2021
4	E- Workshop on Plant Anatomy	1173	National	29/07/2021
5	Workshop on "Restructuring MSc II Sem -II Syllabus"	53	University Level	10/01/2022

21. Give details of student enrichment programmes (special lectures/workshops/ seminars) with external experts:

For enrichment of the students Guest lectures are arranged.

- 1) Dr. Mayur Nandikar, Scientist, Naoroji Center for Plant Research, Pune. Delivered talk on" Careers in Botany" on 05/09/2018
- 2) Mr. Abhijit Pingle, RFO, Kakarda Range, Dhadgaon delivered talk on "Careers in Forest Services" on 31/08/2019
- 3) Dr. H. M. Patil, Principal, MJPV ASC College, Dhadagaon delivered lecture on 'Research and Development in Botany' in online Alumni meet on 27/05/2021

22. Collaborations:

Memorandum of Understanding signed between Department of Botany and Grishma Mushrooms, Shahada to cooperate for skill based training and practical knowledge

23. List the teaching methods and Innovative Practices adopted by the faculty.

- a) Interactive lecture method using blackboard, Group discussions, Problem solving sessions, Seminars,
- b) Use of LCD Projector for PG Students to support lecture

24. List of distinguished Alumni of the department during the assessment period (maximum 10):

S. No	Name of Alumni	Passing year	Qualifications held	Designation and Working place
1	Barde Sushilkumar Ramsing	2016-17	M.Sc	Lecturer
2	Patil Nileshwari Rajendra	2018-19	M.Sc	-
3	Patil Suvarna Purushottam	2020-21	M.Sc	Lecturer
4	Patil Kanchan Nagin	2020-21	M.Sc	Lecturer
5	Nathani Kiran Dilip	2019-20	M.Sc	Teacher
6	Pawara Champalal Sultanya	2017-18	M.Sc	Teacher
7	Koli Hemlata Manohar	2020-21	M.Sc	Lecturer
8	Ahire Pankaj Tulshiram	2016-17	M.Sc	Entrepreneur
9	Patil Nikita Dipak	2020-21	M.Sc	-
10	Suryawanshi Harshal Ganesh	2020-21	M.Sc	Teacher

25. Alumni Activities conducted Year wise:

Activity	Dates	Speaker/Guide	No. of participants
Online Meet 'Research and Development in Botany'	27/05/2021	Dr.H.M Patil Principal,Dhadagaon	75

26. SWOC analysis of the department and Future plans:

Strengths:

- Qualified, experienced & research-spirited faculty
- University recognized well equipped research laboratory
- Supportive Management

Weakness:

- Lack of Industrialization
- Rural population
- High Student: Faculty Ratio

Opportunities:

- Better Career options in Academics and Research
- Scope for outreach programmes

Challenges:

- Placement for Basic Subjects
- Declining enrollments

Future Plans of the Departments:

- Research Activities
- Industrial Collaborations
- Bridge Course
- Skill Enhancement
- Increase Progression
- National Level Conferences