



**J.D.M.V.P. Samaj's, Shri. S. S. Patil Art's, Shri.  
Bhausahab T. T. Salunkhe Commerce and Shri. G. R.  
Pandit Science College, (Nutan Maratha College),  
Jalgaon.**



# **BOTANY DEPARTMENTAL PROFILE 2018-2023**

## **Vision**

To provide modern oriented and quality education to the UG and PG students contributing in the process of social development.

## **Mission**

- ❖ To offer wide and relevant education to the students with a view of shaping their scientific temperament and environmental awareness and to uplift the students capable of facing challenges in life efficiently and curve their own future.
- ❖ To empower the students with the knowledge of researches related to botany.
- ❖ To enhance the chances of employability of the students
- ❖ To make the students to serve the needs of the society.
- ❖ To provide practical exposure to professional career.
- ❖ To inculcate zeal among students to go beyond the curriculum and develop innovative ideas.
- ❖ To build life skills through value-based education.

## **DEPARTMENT OF BOTANY**

The Department of Botany started functioning with the inception of the college in the year June 1972. Since then, the Department is seriously involved in moulding students into scholars and shaping their future. The Department is having the reputation of producing some outstanding scholars who shined on the sky of fame at both national and international level. The Department is exploiting the services of experienced, highly qualified and skillful teachers who leave no stone unturned for chiseling polished and quality human resource.

Department offers Under Graduate programmes which are innovatively designed and updated to keep pace with global trends. The Department

emphasizes on experiential learning through various innovative methodologies which include **seminars, workshops, guest lectures, exhibitions, and projects** for the holistic development of the students.

The strength of the Department is its quality faculty, innovative and flexible curricula with their unique focus on post-graduate education and employability, state-of-the-art facilities with remarkably high and open transparent policies that foster a healthy student-faculty interaction. The department is located Bhaskaryacharya in the building on first floor. The department has PG Botany laboratory and received recognition from KBC NMU as Research Center.

### **1. Highlights of the Department:**

- Courses from Under Graduation to Post Graduation
- Highly Qualified Staff.
- Research Activities.
- Good Maintain Laboratory
- Innovative Practical demonstrations
- Alumni Activity and Lectures. Recognized Research Center of Botany by KBC NMU Jalgaon.
- Creating awareness about conservation of forests as a natural bio-resources and environment among students.
- Botanical study tours for field work and exposure of students to nature, forests and marine flora.
- Training to students about mushroom cultivation.
- Development of nursery in botanical garden to train the students.
- The Department of Botany facilitate and offers basic understanding of Plant Science and the scientific method.
- To create self-employment opportunities

- Establishment of collaboration between Botany and all the allied academic disciplines.
- To encourage Botany outreach to the local community.
- major and minor research projects completed
- **Management Council Member** -Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
- **Senate Member**- KBCNM University Jalgaon.
- **College development committee Member** - Conducted college Molg(Tribal region) by KBCNM University Jalgaon

## 2. Details of the Programmes Offered by the Department

Sr No	Programme level	Name of the programme	Duration	Entry Qualification	Medium of Instruction
1	UG	B.Sc. Botany	03 Years	H S C	English
2	PG	M.Sc. Botany	02 Years	B.Sc. Botany	English
3	Ph D	Ph D Botany	03 Years	M.Sc.Botany	English

## 3. Departmental Staff:

Post	Sanctioned and filled
Professor	02
Associate Professor	00
Assistant Professor	00
CHB	03 and (01 non-Granted CHB)
Contractual	00

## Name and Information of the Teachers of Botany Department:

Sr. No	Name of Teacher	the	Qualification	Designation	Mobile No & Email	Research Experience
1	Dr. G.T.Pardeshi (Head of the Department)	M.Sc., PhD D.H.E.	Asso. Professor	942273367 Email <a href="mailto:drgtpardeshi@gmail.com">drgtpardeshi@gmail.com</a>	—	15.06'1987 32 Years Retairment - 29.05.2019
2	Dr. L.P.Deshmukh (Head of the Department)	M.Sc., PhD	Principal	9404050969 Email - <a href="mailto:lpdeshmukh67@gmail.com">lpdeshmukh67@gmail.com</a>	04 Students pursuing PhD	11/09/1993 29 Years
3	Ms.Nafisa .Tadvi	M.Sc.B. Ed.(SET) Pursuing PhD (CHB)	Assistant Professor	9673958118 Email - <a href="mailto:nafisatadvi@gmail.com">nafisatadvi@gmail.com</a>	Nil	1/12/2010 To till date 12 Years
4	Ms.Savita S.Warule	M.Sc.B. Ed. (CHB)	Assistant Professor	9325499816 Email <a href="mailto:savitaborse90@gmail.com">savitaborse90@gmail.com</a>	Nil	2016 to 2021
5	Ms.Kamini A.Sapkale	M.Sc.B. Ed. (CHB)	Assistant Professor	9022701833 Email <a href="mailto:kaminisapkale6@gmail.com">kaminisapkale6@gmail.com</a>	Nil	2016 to 2022
6	Ms.Yasmin Jafrulla Jamadar	M.Sc. (CHB)	Assistant Professor	8830606975 Email <a href="mailto:jamadaryasmin93@gmail.com">jamadaryasmin93@gmail.com</a>	Nil	2021 to 2022
7	Ms.Varsha gorakh patil	M.Sc. (CHB)	Assistant Professor	9970992057 Email <a href="mailto:varshapatil.jal@gmail.com">varshapatil.jal@gmail.com</a>	Nil	2021 1 year
8	Ms.Kajal S.Patil	M.Sc. (CHB)	Assistant Professor	7498858442 Email. <a href="mailto:kajalpatil09876@gmail.com">kajalpatil09876@gmail.com</a>	Nil	2021 1 year
9	Mr.Sunil R.Shirsath	M.Sc SET. (CHB)	Assistant Professor	9834313439 Email <a href="mailto:sunil12345shirsath@gmail.com">sunil12345shirsath@gmail.com</a>	Nil	2022 to till Date
10	Dr.Varsha A.Bhalerao	M.Sc PhD (CHB)	Assistant Professor	9405101057 Email <a href="mailto:varshabhhalerao0308@gmail.com">varshabhhalerao0308@gmail.com</a>	Nil	Aug.2023 to till Date
11	Ms. AachaL V. Kadam	M.Sc (CHB)	Assistant Professor	8623055 640 Email <a href="mailto:aachalkadam44@gmail.com">aachalkadam44@gmail.com</a>	Nil	Aug.2023 to till Date

## Faculty on Academic Bodies of University:

### Dr L.P.Deshmukh (Head of the Botany Department)

- ❖ 2018 Till Date Management Council Member in Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.
- ❖ 2017 Till Date Senate Member Elected from Principals in Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.
- ❖ 2019 Till Date Principal selection committee member in Mumbai University
- ❖ 2020 till date College Academic Audit committee Dr. BAMU Aurangabad
- ❖ 2021 till Date Rusa committee for Sports grants monitoring & implementation. Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.
- ❖ 2018 till Date Advisory committee member Pratap Philosophy center of KBCNMU at Amalner.
- ❖ 2018 till Date Budget Committee member Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.
- ❖ 2017 till Date Exam Grievance committee Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

### Meritorious Students: T. Y. B.Sc.

Sr No	Name of the student	Year	CGPA/ Percentage of Marks	Rank
1	Gauri D.Joshi	2018-19	5.50/(78.53%)	1 <sup>st</sup>
2	Girish V.Patil	2019-20	5.74/(81.82)	1 <sup>st</sup>
3	Aaditi K.Patil	2020-21	88.56 %	1 <sup>st</sup>
4	Shantanu D. Koli	2021-22	9.35/ (81.29%)	1 <sup>st</sup>

5	Ms.Maduri M. Patil	2022-23	8.10/(67.67%)	1st
<b>M.Sc.</b>				
1	Varsha G.Patil	2020-21	9.75/(84.75%)	1st
2	Dhiraj S.Kolhe	2021-22	9.95 /(91.30)	1st
3	Prasad K.Sonawane	2022-23	81.35%	1st

### Result data of the assessment period:

Sr No	Year	T Y B Sc.			M Sc.		
		Appeared	Pass	Pass %	Appeared	Pass	Pass %
1	2018-19	10	10	100%	-----	-----	-----
2	2019-20	13	12	92.30%	-----	-----	-----
3	2020-21	46	45	98.10%	08	08	100%
4	2021-22	12	07	58.53%	15	13	86.66%
5	2022-23	04	01	25%	11	03	27.03%

### NET/SET/Govt. Exam and Other Examination Qualified by Students:-

Sr No	Year of Passing	Seat No	Name of the Student	NET/SET/ Govt. Exam
1	2021	355667	Kolhe Dhiraj S.	SET

### Placement of Students:

Sr No	Name of student	Program	Name of Employer	Package INR
1.	Dr. Girish V. Patil	B.A.M.S.	Dr.Girish V. Patil	6 Lack per Year
2.	Dhiraj S.Kohle	Asst.Prof.	Mr.Dhiraj S.Kohle	3 Lack Per Year
3.	Matin Shaikh	Business	Mr.Matin Shaikh	2 Lack per Year
4.	Nanda B.Gavli	ASSK	Ms.Nanda B. Gavli	96000 thousand per Year
5.	SunilV. Sonawane	Lab. Assiatant	Mr.Sunil V.Sonowane	1.5 Lack per Year
6.	Wasefa shaikh	School teacher	Ms.Wasefa shaikh	1.2 Lack per Year
7.	Danish Arif Khan	Working in Hospital	Mr.Danish Arif Khan	1.8 Lack per Year
8.	Javed Hamid Patel	Business	Mr. Javed Hamid Patel	8 Lack per Year
9.	Sana Tadvi	Home Tutions	Ms. Sana Tadvi	1.5 Lack per Year
10.	Sheetal Patil	Jain tissue culture Supervisor	Ms. Sheetal Patil	1.5 Lack per Year

## List the distinguished alumni of the department:

Sr No	Name of the Alumni	Present post held
1	Dr.L.P.Deshmukh	Principal Nutan Maratha college, Senate Member Management Council Member KBC, NMU Jalgaon. College development committee Member - Conducted college Molgi
2	Dr. Ajay M. Patil	Voice Principal, Rani Laxmi bai, Mahavidyalaya, Parola
3	Dr. Firdos Shaikh	Assistant Professor
4	Dr.Gunvant B.Patil	Principal Investigator
5	Dr.Girish V. Patil	B.A.M.S.

## List of PhD students in the department:

Dr L.P.DESHMUKH (Research Guide)				
Sr No	Name of the	PhD/ M Phil	Title of the Thesis	Status
1	Samadhan N.Patil	Ph.D.	Study of Pennisetum Glaucm (L) R. Br. Hybrids with respect to Nutritional Factors	Pursuing
2	Akash S.Hire	Ph.D.	Impact of Blue Green Algae as a Biofertilizer on the seed germination and yield properties of Chilli crop (Capsicum annum L.)	Pursuing
3	Pathan Umer Khan Pathan Karim khan Pathan	Ph.D.	Climber of Satpuda Range of Maharashtra	Pursuing
4	Ms.Kamini A.Sapkale	Ph.D.	Pharmacognostic studies of Ruellia brittoniana Leon and Ruellia tuberosa L	Pursuing

## Research projects by faculty:

Sr No.	Name of faculty	Title research of project	Funding agency	Status
1	Dr L.P.Deshmukh	Public Biodiversity Report	Government of Maharashtra	Completed

## Publications by Faculty:

Sr No	Name of the faculty	Publication in peer reviewed Journal (National)	Publication in peer reviewed Journal (International)	Books/Book Chapters
1	Dr L.P.Deshmukh	12	04	11



## Seminars/Conferences/Workshops/RC/OC/FDP attended:

Sr.No.	Name of Faculty	Seminar conference Workshop (State/Uni)	Seminar conference Workshop (National)	Seminar conference Workshop (International)	RC/OC/FDP
1.	Dr.G.T.Pardeshi	NIL	NIL	NIL	NIL

Dr. L. P. Deshmukh Organized by all dept. conference till Date.

- ❖ “Faculty of Commerce & Management” Sponsored by North Maharashtra University Jalgaon (M.S) Date 29th January 2018.
- ❖ Department of psychology Sponsored by North Maharashtra University Jalgaon (M.S) “VIOLENCE AMONG YOUTH” 29th January 2018
- ❖ “Role of biological sciences in sustainable life scrbssl-2018” Sponsored by North Maharashtra University Jalgaon (M.S) 30th January 2018.
- ❖ One Day International Multidisciplinary Conference on “Recent Trends in Humanities, Commerce & Management and Science & Technology” 9th April 2022
- ❖ Three Days International Hindi Conference – 28 to 30 December 2022.
- ❖ National Conference in Hindi and Marathi – ” 28 and 28 March 2023
- ❖ AIMST University Malaysia and Ahmednager College organized International conference date 08 & 09 Feb 2019 Title of paper Traditional medicinal Plants in Jalgaon District, of Maharashtra.

Sr No	Name of Faculty	Seminar conference Workshop (State/Uni)	Seminar conference Workshop (National)	Seminar conference Workshop (International)	RC/OC/FDP
1.	Ms.N.A.Tadvi	I) Workshop on Restructuring of M.Sc-II(Botany) sem-III (CBCS Pattern) Syllabus. 10 <sup>th</sup> Jan. 2022	NIL	NIL	NIL

		II) Workshop on Restructuring of F.Y.B.Sc(Botany) sem-I &II (CBCS Pattern) Syllabus. 2 <sup>nd</sup> March 2022	NIL	NIL	NIL
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### Infrastructure of the Department: Physical Facilities:

Sr. No.	Room/ Laboratory	Dimension	Utilization for
1	1 Lab. 1 Lab. 1 Research Lab.	40' x30' 30'x30' 10' x30	03

### Departmental Library Facilities:

Sr. No.	Books	Journals	Thesis
1	150	15	00

### Computers and other peripherals:

Sr No	Item	Description	Number
1	Computer	Lenovo	C- 110
2	Printer	HPLaser Jet P1007	P-20
3	Inverter Battery	Microtech	01
4	LCD	Epson Projector	01

### Special facilities of the Department:

1. Extra guidance for NET/ SET
2. Recognized Research Center of KBC NMU Jalgaon for UG/ PG and Research Student Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

### Strengths:

- ❖ One of the oldest well established and reputed department in this college.
- ❖ Well experienced and qualified staff
- ❖ Well-equipped and PG (Ph.D.) recognized laboratory to carry out research work.
- ❖ Harmony among the teacher, and also in between the student and teachers.
- ❖ Caring of students for their well beings, even after their departure.

**Weakness:**

- ❖ Lack of placement
- ❖ Constrain in research facility
- ❖ Permanent teaching and Non-teaching staff is issue after the latest retirements.
- ❖ No additional teacher for postgraduate work.

**Opportunities:**

- ❖ Teaching learning method can be improved with learning resources
- ❖ To introduce new job oriented and professional courses
- ❖ Students are motivated and guided by able faculty member to get higher degree and appear in NET, SLET/SET, UPSC, MPSC and other competitive exams.
- ❖ Confidence building through seminars and group discussions and personality development through interactive sessions

- ❖ Department gives platform to the students to show their potential and knowledge by conducting seminars and giving projects etc.

**Challenges:**

- ❖ To cope-up with the students from rural and tribal background.
- ❖ To enhance employability of students.
- ❖ To provide 100% campus placement

**Future Plans:**

- ❖ To promote research activities.
- ❖ To apply for research projects and funding for it.
- ❖ To develop interest of Botany in students. To promote students for competitive examinations
- ❖ To adopt e-learning methods.
- ❖ To extend the knowledge of subject and its application to the society.