

CURRICULUM VITAE

Dr. Miss. Preeti Vinayak Phate
M.Sc. (Botany) Gold Medalist, CSIR NET JRF, Ph.D.
Head of Department & Assistant Professor
Department of Botany, J.S.M. College, Alibag

PERSONAL INFORMATION

Name	Preeti Vinayak Phate
Father's name	Mr. Vinayak Uttamrao Phate
Mother's name	Mrs. Lata Vinayak Phate
Date of Birth	22 nd April 1986
Place of Birth	Amravati, Maharashtra
Gender	Female
Marital Status	Unmarried
Nationality	Indian
Passport No, Type Date & Place of Issuing	N1496478, Type-P, 23/02/2015, Thane, Mumbai, India
Email	preetiphate.22@gmail.com
Contact No.	07709366249
Postal & Permanent Address	Flat No. 7, Dhanlakshmi Society, Nagdongari, Chendhare, Alibag Raigad 402201, Maharashtra, India

CURRENT POSITION

Head of Department & Assistant Professor, Department of Botany, J.S.M. College, Alibag Raigad 402201,
Maharashtra, India

ACADEMIC QUALIFICATIONS

Degrees earned	University Attended	Year	Subject	Class
X	CBSE	May 2001	English, Hindi, Maths, Science and Social Science	I class
XII	Maharashtra Board	Feb 2003	English, Marathi, Biology, Chemistry, Physics and Maths	I class
B.Sc.	Nagpur University	Jun 2006	Botany, Zoology and Chemistry	I class
M.Sc.	Nagpur University	Jun 2008	Botany	I class with Distinction
CSIR NET JRF		Dec 2008	Life sciences	
Ph.D.	Mumbai University	2016	Botany	

RESEARCH SPECIALIZATION			
<ul style="list-style-type: none"> • Molecular Biology and Plant Biotechnology • Mycology (Myxomycetes) • Plant taxonomy 			
DISSERTATIONS AND THESIS			
<ul style="list-style-type: none"> • M.Sc. Dissertation: Title “Plant tissue culture of <i>Psophocarpus tetragonolobus</i> (L.)” • Ph.D. Thesis Title “ Cultural studies of few Myxomycetes” 			
HONORS AND AWARDS			
<ul style="list-style-type: none"> • Awarded by two Gold medals at 96th Convocation of Rashtrasant Tukdoji Maharaj Nagpur University for securing highest marks in M.Sc. Botany in the year 2008 <ul style="list-style-type: none"> ○ Chandrabhagabai Chate Gold Medal. ○ Late. Smt. Aruna Limsay Memorial Gold Medal. • Bharat Gaurav Award by India International Friendship Society, New Delhi for Academic Excellence. • Biography publication in Asia Pacific Who’s Who’s Volume 15. 			
ACADEMIC EXPERIENCE			
Undergraduate: 12 years and Postgraduate: 04 years			
COURSES TAUGHT			
Plant Physiology, Plant diversity, Microbiology, Mycology, Bioinformatics, Herbal cosmetics, Cell Biology, Genetics, Molecular Biology, Biostatistics and Plant Biotechnology			
TRAINING IN TEACHING			
Sr. No.	Activity	Period	Organizer
01	Orientation Programme	22 nd Nov-20 th Dec 2012	UGC- HRDC University of Mumbai
02	Refresher Course	1 st Jun-20 th Jun 2015	UGC- HRDC Punjabi University, Patiala
03	Refresher Course	20 th Aug – 12 th Sept 2018	UGC- HRDC Amravati University, Amravati
04	Refresher Course	7 th Jan 2020 to 20 th Jan 2020	UGC- HRDC Amravati University, Amravati
05	Evolution from Offline to Online Teaching (FDP)	30 th May to 3 rd June 2020	IQAC and FDP Committee, Dhyansadhna College, Mumbai, IT Dept. University of Mumbai and Microsoft
06	FDP on ICT tools for	1 st to 6 th March 2021	IQAC J.S.M. College, Alibag

	Effective teaching and learning		
07	Short term Course in Coastal Biodiversity	15 th to 21 st April 2021	HRDC University of Mumbai, Mumbai
SWAYAM ONLINE COURSES			
<ul style="list-style-type: none"> • Four Credit Course on Functional Food and Nutraceuticals completed with 73% offered by RTM Nagpur University in month of September 2020. 			
MEMBERSHIP OF ACADEMIC BODIES			
<ul style="list-style-type: none"> • Life member of Indian Science Congress. • Member of National Teachers Organization in Life sciences (NTOILS) 2020-21. 			
COMMUNITY SERVICES			
<ul style="list-style-type: none"> • Worked as NSS Programme officer and DLLE (Department of Lifelong Learning) Extension teacher. • Worked for Maharashtra Government to document the Wetland biodiversity of Alibag and nearby Areas. 			
ORAL AND POSTER PRESENTATIONS			
<ul style="list-style-type: none"> • Research paper presented titled Cultural Studies of Most Distinctive Myxomycetes Form: <i>Hemitrichia serpula</i> at National Seminar on Fungi and Human Welfare organized by Ramnarain Ruia College, Mumbai on 8th& 9th Feb 2013. • Achieved first position in Avishkar- A research Convention at District level in oral presentation titled “Cultural studies of <i>Arcyria 3enudate</i>” in Teachers category. • Oral presentation titled “Contribution to the present scenario of Myxomycetes research” at ICSEM9, Tanabe, Japan. • Oral presentation titled “Myxomycetes-The overlooked creatures of nature: challenges and opportunities in research” at IICRTS 2019, J.S.M. College, Alibag. • Oral presentation titled “Biodiversity studies of myxomycetes in Alibag taluka Raigad Maharashtra at E conference on Recent Advances and Opportunities in Botany organized by SSR College of Arts, Commerce and Science, Silvassa. • Poster presentation at National Conference “Microbiome: The Story Untold” on 9th Dec 2021 organised by B.N. Bandodkar College of Science, Thane. • First prize at National level Fungal Photography Competition 2021 in teachers category arranged by NES Ratnam Science College, Mumbai and MSI. 			
GUEST LECTURE DELIVERED			
<ul style="list-style-type: none"> • Delivered lecture on topic “Slime molds: Hidden beauties of Nature” delivered on 3rd April 2021 at Lecture series “Know your nature and care the mother earth organized by Nature Club & Department of 			

Botany, JSM College, Alibag.

- Invited as Chief guest and delivered guest lecture on topic “Slime molds: Hidden beauties” on 2nd October 2021 at Shri Shetkari Sansthan Sanstha’s Arts, Science and Commerce College, Maregaon Yavatmal.

INTERNATIONAL/NATIONAL CONFERENCES/ SEMINARS WORKSHOPS ATTENDED

Sr. no.	Activity	Period	Title	Organizer
01	Workshop	12 th June 2010	Revised Syllabus of T.Y.B.Sc. Botany Syllabus	Jhunjhunwala College, Ghatkopar, Mumbai
02	Workshop	16 th June 2012	S.Y.B.Sc. & M.Sc. I Credit based Botany Syllabus	Jhunjhunwala College, Ghatkopar, Mumbai
03	National Seminar	8 th & 9 th Feb 2013	Fungi and Human Welfare	Ramnarain Ruia College, Mumbai
04	Workshop	13 th June 2013	T.Y.B.Sc. & M.Sc. II Credit based Semester System	Ramnarain Ruia College, Mumbai
05	Congress	3 rd -7 th Jan 2015	Indian Science Congress	The Indian Science Congress Association
06	Workshop	26 th Nov 2013	Second term Training programme for Extension teachers and Student Managers	Department of Lifelong learning and Extension, Mumbai University
07	Workshop	28 th Jun 2014	XII Plan of UGC	J.S.M. College, Alibag, Raigad
08	Workshop	17 th Apr 2014	Academic Performance Indicator Under Career Advancement Scheme	J.S.M. College, Alibag, Raigad
09	Congress	3 rd to 7 th Jan 2016	Indian Science Congress	Mysuru University
10	Workshop	11 th Jun 2016	T.Y.B.Sc. Botany revised syllabus	R.J. College, Mumbai
11	Research Convention	2014	Avishkar Research Convention	University of Mumbai
12	Workshop	21 st Jun 2017	One day workshop on Revised syllabus of S.Y.B.Sc. Botany	Jai Hind College, Mumbai
13	International Congress	18 th Aug to 23 rd Aug 2017	9 th International Congress on Systematic and Ecology of Myxomycetes (ICSEM9)	Mycological Society of Japan
14	International	8 th & 9 th March	International Interdisciplinary	J.S.M. College, Alibag Raigad

	Conference	2019	Conference on Recent trends in Sciences	
15	Online Quiz	25 th April – 3 rd May 2020	COVID 19 Community Awareness and Safety	D.Y. Patil University School of Pharmacy
16	Webinar	8 th May 2020	High Performance Thin Layer Chromatography- Instrumentation and Application	Anchrom Enterprises, Mumbai & Ismail Yusuf College, Mumbai
17	International Webinar	9 th May 2020	Plants derived smoke compounds as bio stimulants and their application in crops	KLE Society Science and Commerce College, Kalamboli
18	International Conference	17 th May 2020	Biodiversity Conservation and Tourism	Devgad College, Sindhudurg
19	Webinar	16 th May 2020	Drug Discovery from medicinal plants : An Integrative approach	K. J. Somaiya College, Mumbai
20	National Webinar	18 th May 2020	Wide spectrum mycopesticides: Concept to commercialization	Mycological Society of India, Mumbai Unit
21	Webinar	18 th May 2020	Microscopy	R.K Talreja College, Ulhasnagar
22	Webinar	22 nd May 2020	Mangroves and Mangroves Associates: Great Strugglers in Nature	K. J. Somaiya College, Mumbai
23	National Webinar	17 th June 2020	Current Approach to Identification and Taxonomy of Microfungi	Mycological Society of India, Mumbai Unit
24	National Seminar	18 th June 2020	Endemic plants of Western Ghats & their conservation	CHM College, Ulhasnagar
25	Online Quiz	-	World Earth Day 2020	Rajashree Sahu College, Chandur Railway.
26	Online Quiz	-	COVID 19 Pandemic General Awareness Quiz	IQAC Yashwantrao Chavan Mahavidhyalaya, Tuljapur
27	National Webinar	25 th Jun 2020	The great role of botanicals in production of high authentic Ayurvedic /Herbal medicine	IQAC EGRA Sarda Sashi Bhushan College, Medinipur

28	National Webinar	29 th Aug 2020	Prospects of culture collection in Research and Developments with special reference to NFCCI	SIES College, Mumbai and MSI, India
29	National Webinar	4 th Nov 2020	The amazing power of botanicals into the area of cancer therapy	KBP Mahavidhyalaya, Pandharpur
30	State level Webinar	8 th Jan 2021	UGC's Career Advancement Scheme (CAS)	IQAC Patkar College, Mumbai
31	National Webinar	19 th Jan 2021	Indian Biodiversity: Issues, Challenges and Initiatives	Vidyabharti College, Seloo
32	International Webinar	7 th Feb 2021	Molecular communication across the fungus host interface	SIES College, Mumbai and MSI, India
33	National Workshop	12 th Jan 2021	Understanding Intellectual Property	Vidyabharti College, Seloo
34	National Webinar	19 th Jan 2021	Indian Biodiversity: Issues, Challenges and Initiatives	Vidyabharti College, Seloo
35	National E-Conference	26-27 th March 2021	Recent advances & Opportunities in Botany	SSR College of Arts, Commerce and Science, Silvassa
36	International Webinar	28 th June 2021	Slime molds: Paradigm shifts from Nineteenth century to today	J.S.M. College, Alibag & Mycological Society of India, Mumbai Unit
37	International Webinar	10 th July 2021	Strengthening your understanding of research journals (Reading, Referencing and Publishing)	KJ Somaiya College and Elsevier
38	State level workshop	31 st July 2021	CAS for college teachers	IQAC JSM College, Alibag
39	National Webinar	2 nd Oct 2021	Mesmerizing fungi	NES Ratnam College, Mumbai and MSI
40	National Conference	7 th -8 th Jan 2022	Microbiome: The Untold story	BN Bandokar College of Science, Thane
41	International Conference	26 th Feb 2022	Advances in Material science, Bioscience and Information technology	Mahatma Phule Arts, Commerce & Science College, Panvel

RESEARCH PROGRAMMES

From last 11 years the main area of interest is Myxomycetes, a group of eukaryotic organism, mostly neglected in modern research. **Primary work is to study biodiversity of myxomycetes from Alibag and nearby areas.** As Alibag is a coastal town situated in Raigad district of Maharashtra, the humid climate of the area provide suitable habitat for the growth of myxomycetes and thus provide home for various species of myxomycetes. About 50 specimens have been collected till now from Alibag and its nearby area and well preserved in personal collection. **Secondary work includes study of their life cycle on different agar medium, as only 10% of the total known myxomycetes were cultured till now.** The studies about nutrition of myxomycetes are still yet to explore. **About eleven myxomycetes are successfully cultured till now on wide range of agar medium. Of which three species namely *Arcyria denudata*, *Stemonitis axifera* and *Diachea subsessilis* were successfully cultured spore to spore.** The work is well published in the form of research articles and **apparently the first report from India.**

Exploring the floral diversity of Alibag and nearby areas is again one of the research interests and the data is well maintained in the form of pictures. One of the most fascinating species *Ceropegia bulbosa* was reported from the first time from the Kulaba fort (situated in the sea) of Alibag with some new morphological adaptation. Kankeshwar forest of Alibag is found to be a new home to many species which is yet not reported from this part of the state. **One of the rare species of genus *Ipomoea* named *Ipomoea clarkei* was reported for the first time from Alibag Raigad in year 2019. Another species of the same genus named *Ipomoea sindica* is proven to be a new distributional record for Raigad district, Maharashtra.**

RESEARCH PUBLICATIONS

1. **Preeti V. Phate** and Sagar H. Chavan. 2015. First recorded rare microhabitat for *Stemonitis inconspicua* from Maharashtra, India. International Journal of Current Microbiology and Applied Sciences. 4(8), pp 125-131.
2. Sagar H. Chavan, Aditya P. Kamble, Pratik V. Phate and **Preeti V. Phate**. 2014. First report of *Ceropegia bulbosa* Roxb. from coastal habitat of Kulaba fort, Alibag, Maharashtra. Indian Journal of Plant Sciences. Vol. 4(4), pp 23-27.

3. Preeti V. Phate and Mishra R.L. 2014. First report on spore to spore agar culture of <i>Stemonitis axifera</i> (Bull.) from Maharashtra, India. Indian Journal of Applied Research, Vol. 4, Issue 11, pp 82-84.
4. Phate P. and R.L. Mishra. 2014. Culture of <i>Hemitrichia serpula</i> on wide range of agar medium. International Journal of Current Microbiology and Applied Sciences 3(2), pp 480-488.
5. Mishra R. L. and Phate P.V. 2013. Two new taxa of <i>Diderma</i> Pers. From Maharashtra, India. Bioscience Guardian, 3(2), pp 339-344.
6. Mishra R.L. and Phate P.V. 2013. Two new myxomycetes from Western Maharashtra, India. Bioscience Guardian, 3(2), pp 431-435.
7. Mishra R.L., Phate P. V. and Ranade V.D. 2013. Myxomycetes of Maharashtra: two new species of <i>Diderma</i> Pers. Mycosphere 4 (5): 865-869. Doi 10.5943/mycosphere/4/5/2.
8. Chetna V.Ugale, Ashish R. Warghat, Preeti V. Phate and Prashant Wagh. 2011. Callus Induction studies in <i>Psophocarpus tetragonolobous</i> (L.). International Journal of Pharmaceutical Sciences Review and Research. Vol. 11. pp 30-32.
9. Phate Preeti and Kawale Pravin. 2019. <i>Ipomoea clarkei</i> Hook. f. (Convolvulaceae)—A new distributional record for Raigad District, Maharashtra, India. IJSRR 2019, 8(2), 2970-2976.
10. Preeti V. Phate . 2019. Spore to spore agar culture of <i>Diachea subsessilis</i> : A new addition to the list of cultivated Myxomycetes. IJSRR 2019, 8(3), 505-512.
11. Preeti V. Phate and Kawale Pravin. 2021. <i>Ipomoea sindica</i> Stapf (Convolvulaceae): A new distribution record from Raigad Maharashtra, India. The Journal of Plant Science Research. 37(1) 109-113.
12. Yattoo SF, Phate PV , Wani TA 2021 – Contributions to the family Ascobolaceae of India. Studies in Fungi 6(1), 263–272, Doi 10.5943/sif/6/1/17.