

CURRICULUM VITAE				
<p align="center">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</p>				
CURRENT POSITION				
<p align="center">Head of Department & Assistant Professor, Department of Botany, JSM College, Alibag Raigad 402201, Maharashtra, India</p>				
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
Bachelor of Science	Nagpur University	Jun 2006	Botany, Zoology and Chemistry	I class
Master of Science	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				

- 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
 - 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: 14 years and Postgraduate: 06 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 effective teaching and learning	1 st to 6 th March 2021	IQAC J.S.M. College, Alibag
07	Short term Course in Coastal Biodiversity	15 th to 21 st April 2021	HRDC University of Mumbai, Mumbai
08	National level Virtual FDP on “Inclusive Procedures and Processes for NAAC Assessment and Accreditation”	24 th April to 30 th April 2023	ACT Academy
09	Four Credit Course on “Functional Foods and	18 th Nov 2020	SWAYAM Online Course

	Nutraceuticals”		
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 near by 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 denudata</i>” in Teacher’s 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. Third prize in Oral presentation at Two day International Conference on Microbes for Sustainable Agriculture, Animal Husbandry and Environment held on 3rd-4th Feb 2023 organized by Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur. Won first prize in Mesmerizing Fungi- National level competition of Fungal Photography 2021 in Teacher’s category organized by Department of Botany Ratnam College and MSI Mumbai Unit on 2nd Oct 2021. Poster presentation at National Conference “Microbiome: The Untold Story” on 9th Dec 2021. Oral presentation at International E-Conference On Advances In Material Science, Bio-Science 			

And Information Technology (Icampsit-2022) on 26th Feb 2022 organized by Mahatma Phule Arts and Science College, Panvel

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 Conference	8 th & 9 th March 2019	International Interdisciplinary Conference on Recent trends in Sciences	J.S.M. College, Alibag Raigad
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	9 th May 2020	Plants derived smoke	KLE Society Science and

	al Webinar		compounds as bio stimulants and their application in crops	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)”	K J Somaiya College, Mumbai
38	State level Workshop	31 st July 2021	‘Career Advancement Scheme (CAS) for College Teachers’	JSM College Alibag
39	International E-Conference	26 th Feb 2022	Advances in Material sciences, Bioscience and Information Technology	ASC College Panvel
40	International Webinar	2 nd Oct 2022	“Industry Academia Connect in Fungal Biotechnology”, and “Mushroom-derived Biotech Products and Cosmeceuticals”	SIES College, Sion
41	National Conference	9 th Dec 2021.	“Microbiome: The Untold Story”	B N Bandodkar College of Science, Thane
42	National Webinar	19 th March 2023	Scenario of Rice disease in India	Association of Fungal biologist India

RESEARCH PROGRAMMES

From last 12 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 <i>Stemonitis inconspicua</i> 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 <i>Ceropegia bulbosa</i> 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 Psophocarpus tetragonolobous (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 and Wani TA. 2021. Contribution to the family Ascobolaceae of India. Studies in Fungi. 6(1) 263-272.
13. Preeti V. Phate and Pravin H Kawale. 2022. New distribution Record and Rare habitat of <i>Stictocardia tiliifolia</i> (Desr.) Hall. F. (Convolvulaceae) from Kankeshwar Alibag Raigad Maharashtra India. Journal of Bioresearch 2(1):12-17.
14. Preeti V. Phate. 2023. Agar culture of myxomycetes <i>Fuligo septica</i> (L.) Wigg. From Alibag Raigad Maharashtra India. Acta Scientific Microbiology. 6(4):83-87.
15. Preeti V. Phate. 2023. Agar cultivation of myxomycetes <i>Arcyria denudata</i> (L.) Wettst.-A potential source of secondary metabolites. Journal of Bioresearch. 2(2): 53-57.

