

Priti Vinyak Aphale, PhD

Present position-

- Assistant Professor

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priti Aphale

Work Experience

- Teaching: 20 years
- Research/Industrial: 15 years

Personal Profile

Short Summary

Hailing from a rural background of Western Maharashtra, after completion of my post-graduation in Environmental Science with gold medal from Shivaji University, I started my career in Environmental Education. I discovered my passion in teaching as it is the powerful medium for spreading awareness and emerging with innovative solutions for grass root Environmental issues. Teaching itself is one of the solutions where you can motivate students to take up projects which have real life problems and solutions. Since moving to Education hub, Pune 17 years ago, I've been truly driven to improve my skills for cognitive, affective, psychomotor teaching and learning. The skills were effective in my learning and teaching strategies towards the necessities of my students' individual needs. I began to explore active learning. "Active Learning" is, in short, whatsoever students do in a classroom other than simply inertly listening to a teacher's lecture. This includes everything from listening practices which help the students to absorb what they hear, to short writing exercises in which learners react to lecture material in the form of cantastoria, to role plays, to complex group exercises in which they are able to apply course material to "real life" situations and new problems. Building these skills, I'm very motivated by the outcomes of the methodologies I have been using towards achieving the problem solving approach in Environmental issues at various levels. I am proud of my contributions towards teaching to motivate students to identify their strengths and weaknesses and how to turn them into challenges/targets to achieve their career goals. I am also proud of my research in conservation of Western Ghats, Maharashtra, a global Biodiversity Hotspot where I am specifically working on Plateau Biodiversity assessment and Conservation. I have had a number of excellent professional development opportunities such as learning about various software in environmental data analysis, discussing technology with innovative educators, and exploring the revised curriculum. In future, I also want my students to understand the Ecosystems on our Mother Earth, but not just because they are fascinating and the human

mind is curious, I want them to understand it so that they will be positioned to make them more healthy and self-sustaining.

Course(s) Taught (Only Titles)

1. Earth and Earth Surface Processes
2. Systematics and Biogeography
3. Ecology and Ecosystems
4. Urban Ecosystems
5. Natural Ecosystems Management
6. Restoration Ecology
7. Environmental Biology
8. Biodiversity and Conservation
9. Green Technology
10. Watershed Development

Field of Specialization/Areas of Interests

Environmental Awareness
Ecology, Restoration Ecology
Biodiversity and Conservation
Green Technology especially Green City perspective
Community Conservation Initiatives

Education

- **Ph.D. – Environmental Science:** from 2012 to 2019
Title of the Thesis: Studies on Eco geomorphology and Vegetation patterns of plateaus in Western Ghats, Maharashtra
Name of University / Institution: Savitribai Phule University of Pune
Year of Award-April 2021
- **Master of Science- (Environmental Science):** 2000
University-Shivaji University, Kolhapur
- **Bachelor of Science- (Botany-Pollution):** 1998
Yashwantrao Chavan College of Science, Karad, Shivaji University Kolhapur, Place-Karad,
- **Bachelor of Education - (Science-Maths):** 2002
Azad College of Education, Satara University Kolhapur, Place-Karad,

Fellowship/Awards/ Certifications/Achievements/Recognitions

- Received “**Best Presenter of the session**” Award in International Conference on Biodiversity and Environmental Management 2020(BEM 2020) Biodiversity and Environment Management at University of Jayawardenapura, Sri Lanka on Multivariate characterization of Trace, Major and Nutrient Elements from the microhabitats of selected Plateaus in the Western Ghats, Maharashtra on 25th November 2019

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
Program Officer (National Service Scheme)NSS Unit	—	-
Member of Admission Committee(UG)		
Member of NAAC Committee for Criteria 7		
Departmental coordinator for DBT(STAR)College		
Coordinator for Departmental Activities		
Coordinator for Eco-Rangers under Kirloskar Vasundhara International film festival		
Member for Climate Reality project		

Employment History

- Organization : Dhananjayrao Gadgil College of Commerce, Satara**
Role : Teacher for Environmental Awareness course
Duration : 2005-2007

Responsibilities	- Teaching for SYBcom - Evaluation of projects
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Research Projects

Title of the Project	Name of Funding Agency	Amount (Rs)	Duration (Year) (From To)	Type (Minor/Major)	Outcome
1.Community Participation in conservation of Sacred Groves of Maval Tehsil Pune	BCUD, Pune	1,50,000	2012-2014	Minor Research Project	A detailed action plan was submitted to Pune forest department, Bhamburda region
2. Identification of Threats with respect to plateaus of Western Ghats, Maharashtra	BCUD, Pune	1,50,000	2015-2017	Minor Research Project	Threats to plateaus which are neglected Ecosystems of Western Ghats one of the Biodiversity Hotspots of the world have been identified.
3. Assessing climate change impacts on agriculture and identifying adaptation strategies in Western Maharashtra with special reference to Kolhapur, Sangli, Satara and Pune district.	DES, Pune	1,10,000	2024-2025	Seed Money project	Climate change impacts and adaptation strategies for farmers have been identified. Soil Health Cards for the farmers from the study areas have been generated
4. Assessment of Ecosystem services for measuring Sustainability index of Pune city	DES, Pune		2024-2025	Seed Money project	Ecosystem Services from Blue and Green Corridors of Pune City have been identified

Research Publications in National and International Journals

1.1.Karikar, S.P., S.V. Mali, K. Prasad & A. Priti (2019). An assessment of bird communities across Ujjani and its five satellite wetlands in Solapur District of Maharashtra, India. *Journal of Threatened Taxa* 11(15): 14989–14997. <https://doi.org/10.11609/jott.4741.11.15.14989-14997>

2.Aphale, P.V., D.C. Meshram, D.M. Mahajan, P.A. Kulkarni & S.P. KulKarni (2019). Multivariate analysis of elements from the microhabitats of selected plateaus in the Western Ghats, Maharashtra, India. *Journal of Threatened Taxa* 11(10): 14334–14348. <https://doi.org/10.11609/jott.4980.11.10.14334-14348>

3.Aphale, P.V., Meshram, D.C. and Mahajan, D.M., Comparative Assessment of Nutrient Status of Selected Plateaus in Western Ghats, Maharashtra. IJAPRR International Peer Reviewed Refereed Journal, Vol. VI, Issue V, p.n.01-12, April, 2019 • Aphale, P.V., Meshram, D.C. and Mahajan, D.M.

http://www.ijaprr.com/download/issue/Volume_VI/Issue_IV/247_Volume_VI_Issue_IV_09%20-%2015_Priti_Vinayak.pdf

4. Contributed one chapter in “Reference Book on Life Sciences-For UGC, CSIR,NET,SETR, SLET”Published by Nirali Prakashan in January 2024.

Participation in Conferences/Seminars/Symposia/Workshop:

1. International Conference on Biodiversity and Environmental Management 2020(BEM 2020) Paper presentation at Biodiversity and Environment Management at University of Jayewardenepura, Sri Lanka on Multivariate characterization of Trace, Major and Nutrient Elements from the microhabitats of selected Plateaus in the Western Ghats, Maharashtra on 25th November 2019
2. Dr. Aphale P.V, Dr. Shraddha Kulkarni .International Conference on Biodiversity and Environmental Management 2021 (BEM 2021) paper presentation on An Assessment of Threats to the Plateaus of Western Ghats,Maharashtra, India on 12-13 November 2021(online)
3. Dr. Aphale P.V, Dr. Gaikwad R.D. .International Conference on Biodiversity and Environmental Management 2021 (BEM 2021) paper presentation on Pashan Lake on 12-13 November 2021(online)

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1. 1	Beat the Plastic	Under Kirloskar Vasundhara Film.	Coordinated the activity	4/1/2020

	Pollution:			
2. 2	Wild India Film Festival	A Nature Walk, Adventure Foundation	Coordinated the activity	22 to 25 Aug 2019.
3. 3	Plastic free campus	Kirloskar Vasundhara International film festival	Coordinated the activity	2 nd Oct 2019
4.	Life Cycle Assessment	Sharada Shakti	Coordinated the activity	2/8/2019
5.	Climate Reality program	Climate Reality Program	Coordinated the activity	14/12/2019
6.	Conservation dynamics in Central India Tiger Reserves	Madhya Pradesh Forest Department in Tiger Conservation	Coordinated the activity	7/12/2019
7.	Western Ghats and its Ecosystem	Dr. Aparna Watve, Biome Foundation Pune	Coordinated the activity	16/9/2019
8.	Awareness session on Air Pollution	. Maharashtra Star rating program	Coordinated the activity	18/7/2019
9.	Awareness session on Environment in schools	The Climate Reality Project	Coordinated the activity	6th July 2019

10.	Master's Training Program on Green Campus	A training was organized to train the team leaders from various schools from Deccan Education Society.	Coordinated the activity	25 th and 26 th September 2019
11.	Study visit to Ujani for FYBSc	Students visited a wetland to study ecotourism and wetland Bird Communities	Coordinated the activity	
12.	Study Visit to Empress Garden for FYBSc	Students visited a urban garden to study plant and bird Communities	Coordinated the study visit	
13.	Study Visit to Pachmarhi, Madhya Pradesh	Students visited a forest to study ecotourism and forest research institute	Coordinated the activity	
14.	Biodiversity of India	Students learned about the importance of Biodiversity of India	Coordinated the activity	5th october 2020
15.	Interaction with Alumni fellowship opportunities in the Environmental field	She also talked about various fellowship opportunities in the Environmental field including SPARK Fellowship by BAIF	Coordinated the activity	19th Feb 2021
16.	Session on wetland day	Students understood wetlands of Pune and their importance	Coordinated the activity	3rd February 2021

17.	Session on Hydroponics	Students understood the technique of Hydroponics	Coordinated the activity	11th Feb 2021
18.	World Meteorological Day	Students learned about the concept of “Climate Crisis : Action Begins Now”	Coordinated the activity	23rd march 2021
19.	Pune City Air Action Plan	Students learned about the air pollution monitoring of Pune City	Coordinated the activity	9 th march 2021.
20.	Environmental Sustainability and Resilience in the context of Sustainable Development Goals	Students learned about Sustainability and what strategies are needed to achieve SDGs	Coordinated the activity	25th March 2021.
21.	Interaction with Alumni: Meet a friend	Students interacted with alumni and learned about aspects of wastewater treatment	Coordinated the activity	17th July 2021
22.	Moth Week	Students learned about How every student can participate and contribute in data collection	Coordinated the activity	24th July 2021
23.	Spider Week	During the five days 20 species of spiders have been identified and documented.	Coordinated the activity	14th to 22nd August 2021

24.	Interaction with Alumni Tracking illegal wildlife crime	Students understood pros and cons of wildlife crime and how to track these illegal activities	Coordinated the activity	15th December 2021.
25.	Big Butterfly Month	On this occasion students of the Environmental science department conducted a Butterfly Survey of Fergusson College Campus	Coordinated the activity	September 2021
26.	Ban on Single use Plastic	Fergusson College(Autonomous)Pune	Member of the coordinating committee	11 th October 2021
27.	Metal bottle for my friend	To avoid the use of plastic bottles on 29th October 2021 metal bottles were distributed among the workers	member of the organizing committee	29th October 2021
28.	Nadi ki Pathshala	The Iture,Pune,College of Agriculture Rahuri and Yashada,Pune,	Coordinated the activity	28th March 2022
29.	International Conference on Biodiversity and Environment Management	Department has organized International Conference on Biodiversity and Environmental Management (BEM) in association with the Academic Partners, Center for Sustainability, Department of Forestry and Environmental Science, University of Jayewardenepura, Sri Lanka and Deccan Education Society's Fergusson College (Autonomous) Pune, India on was organized on	Coordinated the activity	12 and 13 November 2021,online

		12th -13th November 2021 (online) has laid foundation of conscious thinking and living a sustainable life.		
30.	Workshop on sustainable and Eco-friendly products	Under STRIDE (Component I) workshop was organized on eco-friendly products to make students aware about the opportunities on designing and developing eco-friendly products.	Coordinated the activity	6 th May 2022
31.	World Environment Day 2022	Observance of World Environment Day was organized on the topic Climate change and Role of youth in Tribal areas.	Coordinated the activity	5 th June 2022
32.	Orientation program	-Mr Ravindra Dhariya, National youth conveyer Jal Biradari Mr. Girish Patil has interacted with students on River rejuvenation	Worked as a member of organizing Committee	5 th Aug 2023
33.	Workshop	A survey was conducted in the entire Pune city by volunteers of Environmental Science department for recycling of Ganesh Idol Clay; activity was conducted in association with Paravartan	Coordinated the activity	Sep-23
34.	Workshop	Dr. Ye Tao, China	Coordinated the activity	18 th Sept 2023 to 23 rd September 2023

35.	Workshop	The Hydroponics session delivered by Dr. Sagar Waghmare gave inputs about current trends and opportunities in Hydroponics	Coordinated the activity	14th Oct 2023
36.	Workshop	1. Ms Shivani Hange-founder and owner of skincare brand Ark, has given hands-on training on 'Making natural skin care products'. 2. Ms. Neha Joshi, landscape designer of Ecomet, connected a session on Kokedema and hanging	Coordinated the activity	2 Jan 2024 and 4 th Mar2024
37.	People's Biodiversity Register (PBR)	Raintree Foundation and hosted at Fergusson College, DES PU, Pune,	Worked as a Member of organizing committee	01-Jan to 15-Jan-2424
38.	Sharada Shakti -Vigyan Katta:	Sharda Shakti on 12th Jan 2024. Mr. Santosh Gondhalekar discussed production of clean energy sources and Green Carbon.	Worked as a Member of organizing committee	12 th Jan 2024
39.	"Bamboo Producer and Industrialist Farmers Workshop	Agriculture College Pune and Vanrai	Worked as a Member of organizing committee	2 nd Feb 2024
40.	National Integrity Tour(NSS)	As a part of NSS activities National Integrity Tour was organised to Jammu and Kashmir to conduct educational workshops and cultural exchange. In the above program 45 schools were covered reaching to 950 students of Jammu and Kashmir	Worked as a Member of organizing committee	30 th May to 14 th June 2024

41.	Punaravaratan Campaign September 2024	Punaravaratan Campaign was initiated in an institute to recycle the clay used in making Ganesh Idols. In Pune and PCMC student volunteers worked for recycling of idol clay.	Worked as a Member of organizing committee	September 2024
42.	Winter Camp for NSS	As a part of NSS activities Tour winter camp was organised to Male,Mulshi Tahsil where soil health card preparation of farmers was the major activity	Worked as a Program Officer	January 2025

Trainings and workshops attended:

Dr Priti Aphale and i attended a three-day workshop on ‘IUCN Red Listing: Understanding process and protocols’ on 15-17 Feb 2024 at MES Abasaheb Garware College, Pune.

Dr. Priti Aphale, participated in the hand on workshop organized by SERB and Agharkar Research Institute on” Freshwater Biodiversity” on 14-15 March 2024

Dr. Priti Aphale, completed a two-week Interdisciplinary Course on Environment and Human Health from 28th March to 11th April 2022organized under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) scheme organized by TLC Ramanujan College.

Invited as a guest speaker:

Dr. Priti Aphale and given guest sessions for the Orientation Session for 30 th National Children’s Science Congress as a Resource Person which was held Online on 25th May 2022 from 3pm to 7pm also on 8th June 2022 between 6.50 to 7.30pm.

Dr. Priti Aphale gave an orientation session on 26 August 2022 in Science Park, PCMC for 5th Divisional workshop of National Children's Science Congress for which the theme was "Restoration of Ecosystems".

In January 2024, Dr .Priti Aphale conducted sessions for the Ph.D. Coursework, for the research scholars registered at MES ACS College, Sonai .on a Restoration Ecology topic

Additional skills/Activities

- Biodiversity data assessment for Environmental variables
- Basics of Remote sensing and GIS
- Plateau vegetation identification and monitoring
- Biodiversity monitoring skills, etc.

Course Content Developed (e-content)

Consultancy Services

