

# Shraddha Prasad Kulkarni, Ph.D.

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## Present position

- Assistant Professor

## Contact Details



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## Work Experience

- Teaching: 16 years
- Research/Industrial: 10 years

## Personal Profile

I like to read, write and analyze; so why not to choose a profession which consist of that! Teaching goes well with what I'm best at; I think it's an ideal profession for me. I did my bachelors in Microbiology; a person comfortable in lab got fascinated by field Environment at MSc level. During my PhD research work I got a chance to explore the world of wetlands. Bird communities associated with Ujjani wetland and its associated lakes were studied during this research. During my research I got fascinated with birds, their association with plants and their habitats and local community. This helped an introvert like me to grow as a person who can connect very well with students, understand their difficulties and groom them well. Shift from personal academic enhancement to professional life was never easy but always motivating. During last 15 years of my carrier at Fergusson College at Environmental Science Department, I got an opportunity to enrich students' life through teaching learning process, performance evaluation, field visits, study tours and many other activities. Apart from teaching, tasks like Admission process, Examination work, and Mentoring activities tested potentials in me; which also helped in my career enhancement.

## Course(s) Taught

1. Environmental Statistics
2. Environmental Management Systems
3. Ecology and Ecosystems
4. Urban Ecosystems
5. Earth and Earth Surface processes

## Field of Specialization/Areas of Interests

- Environmental Science
- Wetland Monitoring and Management

## Education

- **Ph.D. – (Environmental Science):** from 2010 to 2019  
**Title of the Thesis:** Preferential Habitat utilization of bird communities and role of satellite wetlands in conservation of avifauna.  
**Name of University / Institution:** Savitribai Phule Pune University  
**Year of Award** 2019
- **Master of Science/Arts- (Environmental Science):** 2006  
University/College: **Savitribai Phule Pune University**
- **Bachelor of Science- (Microbiology):** 2004  
College, University, Place: HPT Arts and RYK Science College, Nashik, Savitribai Phule Pune University

## Fellowship/Awards/ Certifications/Achievements/Recognitions

NA

## Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
Member of Admission Committee (UG & PG)	Life member of Indian Meteorological Department	
Member of NAAC Committee for Criteria 7		
Coordinator for Departmental IQAC	Member of Alliance Francaise de Pune	
Member for Climate Reality project	Life member of Sharda Shakti Pune	
	Member of International Society of wetland scientist (SWS)	

## Employment History

- 1) **Organization : KTHM College, Nashik**  
**Role : Teacher for MSc Environmental Science**  
**Duration : 2006 to 2008**

<b>Responsibilities</b>	<ul style="list-style-type: none"><li>• Teaching MSc I and MSc II</li><li>• Evaluation of practical and project</li></ul>
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## Research Projects

Title of the Project	Name of Funding Agency	Amount (Rs)	Duration (Year) (From To)	Type (Minor/Major)	Outcome
Habitat quality assessment of lakes in Pune	BCUD, Pune	1,50,000	2012-2014	Minor Research Project	Habitat assessment was done for aquatic avifauna from Khadakwasla and Ujjani Backwater.

## Research Publications in National and International Journals

1. Shraddha, K., Subhash, M., & Prasad, K. (2017). Status of wetland Birds at associated lakes of Ujjani reservoir, Maharashtra, India. *International Journal of Applied Environmental Sciences*, 12(5), 909-924. [http://www.ripublication.com/ijaes17/ijaesv12n5\\_16.pdf](http://www.ripublication.com/ijaes17/ijaesv12n5_16.pdf)
2. 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>
3. 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>
4. Kulkarni Prasad, Kulkarni Shraddha and Aphale Priti (2023) Systematic Study of Carbon sequestration of Mangrove forests at Raigad district coast, Maharashtra, India. <https://www.isdesr.org/current-issue-volume-09-01-january-2023/>

## Participation in Conferences/Seminars/Symposia/Workshop:

1. Paper presentation at Biodiversity and Environment Management at University of Jayawardenapura, Sri Lanka on Wetland of International Importance: an evaluation of Ujjani Wetland, Maharashtra, India
2. Conference on Biodiversity and Environmental Management 2021 Online (BEM 2021) - 'Sustainable livelihoods through conservation of Wetland Habitats: special reference to wetland Bird communities from Ujjani Wetland, Maharashtra, India'

## Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1	Tree plantation Drive	College has a very rich Botanical Garden in terms of unique species.  Around 150 different plant species have been planted in college campus	Member of tree plantation coordination committee	12th July 2017.
2	Watershed Management workshop	Under the College with Excellence program in association with ACWADAM, Pune two days' workshop on Watershed Management was organized for MSc students. Students benefited from the  Workshop through various case studies and practicals conducted during the workshop.	Coordinated the workshop	9 th .10 th February 2018
3	Kirloskar Vasundhara International Film Festival	Under Kirloskar Vasundhara Film Festival number of documentaries was screened followed by discussion on various issues of Environment and protection.	Coordinated activities at college level	January 2017
4	A River walk	A River walk has been organized by the Department in association with Jeevitnadi, Pune under Kirloskar Vasundhara Film Festival for school children. Students from Ahilyadevi, New English School Tilak Road actively participated in walk to understand cultural, social, Environmental aspects of River Ecosystem.	Coordinated the activity	
5	National Science Day	MSc I students of the Department have conducted discussion session on Environmental Science, an Interdisciplinary branch of Science for 7 th standard students of Raman baug High School, Pune.	Coordinated the activity	28 <sup>th</sup> February 2018
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6	MSc I Excursion to Kalinje, District Raigad	Students studied Mangrove Forest and Community participation activities for various species including  Olive Ridley Turtle and White Backed Vulture. Socio-economic survey has been conducted by students in a village to have an idea about awareness of Mangrove ecosystem among the Community.	Coordinated the study visit	29 <sup>th</sup> January to 1 <sup>st</sup> February
7	F.Y.B.Sc Excursion to Ujani, Baramati	Student's Study visit was organised to Ujjani, Baramati, Pune, for study of wetland bird communities.	Coordinated the study visit	15 <sup>th</sup> February 2018
8	Bird walk	M.Sc I and M.Sc II. Students have taken to Kavati Paat, a wetland near Pune City to study migratory bird species.	Coordinated the study visit	23 <sup>rd</sup> February 2018
9	Tree plantation Drive:	.Around 150 different plant species have been planted in college campus Including Botanical Garden.	member of tree plantation committee	12th July 2018
10	Entrepreneurship Development Workshop	Under DBT Star College Scheme workshop was conducted by Dr. Adesh Gokhale Council Member DES on start-up program for Entrepreneurship Development on	Coordinated the activity	18 <sup>th</sup> August 2018
11	Green Economy Workshop	Under DBT Star College Scheme workshop was conducted by Dr. Gurudas Nulkar Head, Ext-MBA Symbiosis International University, Pune on Green Economy on was organized for MSc students in Department of Environmental Science.	Coordinated the activity	29 <sup>th</sup> August 2018
12	Best Practices in Waste Management workshop	Under DBT Star College Scheme workshop conducted by Mr. Shrikant Parab Director, Asia Affairs, Delta Group, USA on Best Practices in Waste Management organized for students in the Department of Environmental Science.	Coordinated the activity	30 <sup>th</sup> August 2018

13	Film Screening and Interaction with S. Nalla Muthu	Interaction organized with the director of the film Clash of Tigers on Teachers and students of other colleges along with Fergusson College students involved in the program.	Coordinated the activity	2 <sup>nd</sup> January 2019.
14	River Ecology Workshop	Under DBT Star College Scheme Workshop was conducted by Oikos, Pune on River Ecology on was organized for students in the Department of Environmental Science.	Coordinated the activity	7 <sup>th</sup> January 2019
15	Biodiversity Conservation: Issues and Solutions Seminar	Under DBT Star College Scheme conducted Seminar by Dr. Madhukar Bachulkar Cholekar Principal Vijaysingh Yadav Science College; Kolhapur on Biodiversity Conservation: Issues and Solutions	Coordinated the activity	8 <sup>th</sup> January 2019
16	Climate Change Workshop:	Under DBT Star College Scheme Workshop was conducted with Professor John Bull Associate Professor (Senior Lecturer) in Pollution Ecology, School of Geography, Earth and Environmental Sciences, University of Plymouth on Climate Change on was organized for students	Coordinated the activity	17 <sup>th</sup> January 2019
17	Bioremediation of Toxic wastes Workshop:	The DBT Star College Scheme seminar was conducted by Dr. Yogesh Patil Professor and Head Research and Publication Symbiosis International University, Pune on Bioremediation of Toxic wastes was organized for students.	Member of the committee in coordinating the activity	22 <sup>nd</sup> January 2019
18	Colloquium on Sacred Groves	In association with Maharashtra Vruksh Samvardhini has been conducted on. Commonwealth Award winning Documentary screening "Sacred Groves: Traditional treasure-trove of Environment" has been done. Number of NGOs from Pune and Mumbai area has been involved.	Activity coordinator	11 <sup>th</sup> February 2019
19	Environment Day Celebration:	College has participated in events organized by Pune Municipal Corporation on World Environment Day. It includes Cycle Rally, awareness campaigns, plantation drive. For the event this year many government and other officials were present.	Coordinated the activity	5 <sup>th</sup> June 2019

20	Tree plantation drive	Plantation drive was conducted in Fergusson College campus and Fergusson hill. This drive was organized in association with Pune Municipal Corporation.	Member of tree plantation committee	1 July 2019.
21	Kirloskar Vasundhara International Film Festival:	<p>1. Ramnadi Parikrama: Under Kirloskar Vasundhara International Film Festival, Eco-Rangers program has organized, to understand the Ramnadi from its source</p> <p>2. Ramnadi Yuva Sansad. Kirloskar Eco-rangers' inauguration program: an introductory program has been organized on Ramnadi Restoration Mission. Program was followed by Workshop on insect photography entitled 'Joy at Fingertips' by Mr. Alok Shevde</p> <p>3. Ramnadi Yuva Sansad: The program have been hosted by Fergusson college where 15 different colleges have presented their work</p>	Activity coordinator	14/9/2019
22	Beat the Plastic Pollution:	Under Kirloskar Vasundhara Film Festival in association with Terre Policy Center, awareness programs on Plastic Pollution have been organized. have given a talk on Micro plastics and Consequences of Plastic Pollution.	Coordinated the activity	4/1/2020
23	Wild India Film Festival	A film festival organized by Fergusson College in association with NatureWalk, Adventure Foundation from 22 to 25 Aug 2019. Various National and International wildlife documentary screened during this festival. Nature walk conducted in Fergusson College campus and Kamala Nehru Park in presence of renowned botanist like Dr. Mandar Datar, Dr. Sachin Punekar and Dr. S.D. Mahajan. On 24/8/2019 Shri. Madhav Gadgil, Shri. S.D. Mahajan, Sachin Punekar, Rahul Marathe interacted students in Panel discussion organized on current issues of Biodiversity conservation. Eco-	Coordinated the activity	22 to 25 Aug 2019.

		quiz was conducted for undergraduate and postgraduate students on 24/8/2019. Wildlife conference was held on 25/8/2019. Mr.Nalla Mutthu conducted a workshop on 'Basics of wildlife Film making workshop' on 25/8/2019. Wild India Film festival concluded on 25/8/2019 with very informative talk by Dhritiman Mukherjee followed by award winning film screening.		
24	Plastic free campus	To aware the masses about plastic pollution collection drive and awareness activities like flash mob in front of main building on ng Kirloskar Vasundhara International film festival in Balgandharva Rangmadir, JM Road on 7 <sup>th</sup> January 2020 have been performed by students	Coordinated the activity	2 <sup>nd</sup> Oct 2019 and duri
25	Life Cycle Assessment	In association with Sharada Shakti, a session by have been organized Students learned the basics of Life Cycle Assessment as well as calculating Ecological Footprint at the individual level.	Coordinated the activity	2/8/2019
26	Climate Reality program	Under Climate Reality Program on an interaction with has been organized to discuss various policy interventions to be made to make college more sustainable and Eco-friendly	Coordinated the activity	14/12/2019
27	Conservation dynamics in Central India Tiger Reserves	An interaction has been organized Students benefited by the interaction in terms of various techniques used by Madhya Pradesh Forest Department in Tiger Conservation.	Coordinated the activity	7/12/2019
28	Western Ghats and its Ecosystem	An invited talk on Lesser Known Ecosystems has been successful towards making students aware about various neglected ecosystems of Western Ghats like Rock outcrops and their conservation issues.	Coordinated the activity	16/9/2019



29	Maharashtra Star rating program	An interaction was fruitful in understanding Air pollution scenario in Indian cities and the role of common citizens towards the pollution tolerance.	Coordinated the activity	18/7/2019
30	The Climate Reality Project	Sessions on solar Energy, Biodiversity Conservation, Rainwater Harvesting etc conducted Green Schools of the Future for the master trainers. Further, these experts have been connected to master trainers through online platforms and offline interactions as and when requested by individual institutions.	Coordinated the activity	6th July 2019
31	Master's Training Program on Green Campus	A training was organized to train the team leaders from various schools from Deccan Education Society.		25 <sup>th</sup> and 26 <sup>th</sup> September 2019
32	Study visit to Ujani for FYBSc	Students visited a wetland to study ecotourism and wetland Bird Communities	Coordinated the activity	
33	Study Visit to Empress Garden for FYBSc	Students visited a urban garden to study plant and bird Communities	Coordinated the study visit	
34	Study Visit to Pachmarhi, Madhya Pradesh	Students visited a forest to study ecotourism and forest research institute	Coordinated the activity	
35	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

36	Session on wetland day	Students understood wetlands of Pune and their importance	Coordinated the activity	3rd February 2021
37	Session on Hydroponics	Students understood the technique of Hydroponics	Coordinated the activity	11th Feb 2021
38	World Meteorological Day	Students learned about the concept of “Climate Crisis : Action Begins Now”	Coordinated the activity	23rd march 2021
39	Pune City Air Action Plan	Students learned about the air pollution monitoring of Pune City	Coordinated the activity	9 th march 2021.
40	Interaction with Alumni: Meet a friend	Students interacted with alumni and learned about aspects of wastewater treatment	Coordinated the activity	17th July 2021
41	Moth Week	Students learned about How every student can participate and contribute in data collection	Coordinated the activity	24th July 2021
42	Spider Week	During the five days, 20 species of spiders have been identified and documented.	Coordinated the activity	14th to 22nd August 2021
43	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.
44	Big Butterfly Month	On this occasion students of the Environmental science department	Coordinated the activity	September 2021

		conducted a Butterfly Survey of Fergusson College Campus		
45	Ban on Single use Plastic	The purpose of the event was to propose Fergusson College to initiate activities to ban Single Use Plastic in the Campus and declare it as 'First College to Ban Single Use of Plastic' by adopting authenticated verification methods. The college is continuing to make efforts to remain a Single Use Plastic Free Campus.		11 <sup>th</sup> October 2021
46	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
47	Nadi ki Pathshala	The program was organized in association with Vanrai, Jal Biradari, College of Agriculture, Pune, College of Agriculture Rahuri and Yashada, Pune, The course focuses on understanding the river Ecology and managing our rivers accordingly.	Coordinated the activity	28th March 2022
48	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 Jayewardeneapura, Sri Lanka and Deccan Education Society's Fergusson College (Autonomous) Pune, India on was organized on 12th -13th November 2021 (online) has laid foundation of conscious thinking and living a sustainable life.	Coordinated the activity	12 and 13 November 2021, online
49	Workshop on sustainable and Eco-friendly products	Under STRIDE(Component I) workshop was organized on eco-friendly products to make aware students about the opportunities on designing and developing eco-friendly products.	Coordinated the activity	6 <sup>th</sup> May 2022

50	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 <sup>th</sup> June 2022
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### **Additional skills/Activities**

Statistical data analysis for Environmental variables, Bird identification and monitoring, Wetland monitoring skills, etc.

### **Course Content Developed (e-content)**

NA

### **Consultancy Services**

NA