

## Information for profiling

Basic Info.	<p>Name : Dr. Ketaki Vaidya  Designation: Assistant Professor  Department: Botany  E-mail: ketaki.vaidya@fergusson.edu</p> <p>Work experience (in years): 18  Teaching: 17  Industrial:1  Research: 6</p>
Personal Profile	<p>M.Sc. Ph.D. in Botany  Interest area: Phycology and Mycorrhiza</p>
Course(s) Taught	<p>B.Sc. and M.Sc. Biotechnology  M.Sc. Botany  M.Sc. Biochemistry</p>
Field of specialization	Phycology and Mycorrhiza
Education Qualifications (upto Graduation)	<p>M.Sc. Botany  Ph.D. Botany</p>
Awards, Honors	<p>First Prize in State level “Avishkar” Research  Competition in 2009”  Represented Maharashtra in Anveshan 2010  National West Zone Research Convention</p>

Employment History	<p>Currently working as Assistant Professor at Fergusson College, Botany Dept. since 2010.</p> <p>Working as PG course coordinator since 2016.</p> <p>Worked for 10 years in Phoenix school for mentally challenged students.</p> <p>Worked as an editor in Medical Transcription.</p> <p>Taught at Chate Coaching classes, Gambhir classes, Educational Guidance Institute with CET and 12<sup>th</sup> standard students.</p>
Research	<p>PhD in “Studies on growth responses of Tomato (<i>Lycopersicon esculentum</i> Mill.) with respect to AM fungi” (2009-2013)</p> <p>Guided projects at PG level</p> <ol style="list-style-type: none"> <li>1. Effect of mycorrhiza on deposition of phenol in <i>Anethum graveolens</i> and <i>Capsicum annum</i>. (2011)</li> <li>2. Effect of AM fungi on <i>Trigonella foenum</i>. (2011)</li> <li>3. Effect of mycorrhiza on biochemical content of <i>Capsicum annum</i>. (2012)</li> <li>4. Effect of productivity of tomato with respect to different fertilizers. (2014)</li> <li>5. Effect of salt stress on nutrient value of <i>Coriander sativum</i>. (2014)</li> <li>6. Study of bioethanol production from fruits like Banana and Chiku. (2015)</li> <li>7. Production of ethanol from sugarcane bagasse with <i>Saccharomyces cerevisiae</i>. (2015)</li> </ol> <p>Presented paper in National Conference on Climate changes and Challenges in Biodiversity Conservation</p>
Publications	<p>Shinde B. P. and Ketaki Vaidya 2013. Effect of arbuscular mycorrhizal fungi on antioxidants of <i>Lycopersicon esculentum</i> Mill. <i>Flora and Fauna</i> 19(1):419-424. (ISSN 0971-6920).</p>

	<p>Shinde B. P. and Ketaki Vaidya 2014. Influence of Arbuscular Mycorrhizal Fungi on Growth and Productivity of <i>Lycopersicon esculentum</i> L. Indian Journal of Fundamental and Applied Life Sciences, 4(2): 343-350. (ISSN 2231-6345, IF 0.452)</p>
<p>Participations in Conferences/Seminars/Symposia/Workshop</p>	<ul style="list-style-type: none"> <li>• Attended National Webinar on “Trends in Algal Research” on 10 March 2022 conducted by Department of Botany, Fergusson College (Autonomous), Pune.</li> <li>• Attended skill development and training on “Professional Communication, Profiling and Style Guide Workshop” on 2 February 2022 conducted by Fergusson College in association with Mettle Innovation.</li> <li>• Attended the online workshop on “Back to Roots: Biofertilizers and Biopesticides” on 14 November 2021 conducted by Indian Women Scientists’ Association and Vigyan Prasar.</li> <li>• Attended International webinar on “Gene Expression and Pathway activity Meta-Analysis of SARS-COV2 Infection in Lungs” on 17 June 2021 organized by Biosetup Lifesciences in Collaboration with Michigan State University and ICER.</li> <li>• Attended Webinar on “Climate Resilient Crops for The Future” on 30 October 2021 organized by Biosetup Lifesciences.</li> <li>• Attended Five Days National FDP titled “Innovative Teaching And Research in</li> </ul>

	<p>Science:Exploring The New Horizons” between 10 to 15 June 2021 organised by Science Forum in</p> <ul style="list-style-type: none"> <li>• Association with IQAC, Government First Grade College, Vijayanagar, Karnataka.</li> <li>• Organized and participated in workshop “NET-SET Examination Preparation” held on 12 March 2022 organized by Department of Botany, Fergusson College, (Autonomous) in Collaboration with IFAS.</li> <li>• Organized and participated in One Day Workshop on “Research Publication And It’s Ethics” on 29 April 2022 conducted by Department of Botany, Fergusson College (Autonomous), Pune.</li> <li>• Attended Webinar on “An Approach of Bonsai Cultivation” on 6 April 2021 conducted by J. A. T Arts, Science and Commerce College, Malegaon</li> <li>• Attended Webinar on “Synthesis of Nanoparticles: Present and Future” on 18 April 2021 conducted by Vidya Pratishthan, Baramati.</li> <li>• Attended Webinar on “Biodiversity of Fungi” on 22 March 2021 and 23 March 2021 conducted by Dr. Babasaheb Ambedkar College, Mahad.</li> <li>• Attended Webinar on “Marine Diversity and Aquaculture” on 8 April 2021 conducted by Dr. Babasaheb Ambedkar College, Mahad.</li> <li>• Attended Webinar on “Humanity Fights Back: Coping With The Threat of COVID-</li> </ul>
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	<p>19 Pandemic” on 24 May 2021 and 25 May 2021 conducted by Fergusson College Microbiology Department.</p> <ul style="list-style-type: none"> <li>• Attended International E- conference on “Plant Sciences” on 1 June 2020 conducted by Swami Vivekanand Senior College.</li> <li>• Attended webinar on “Understanding The New Normal” on 3 June 2020 conducted by Fergusson College, Pune, Psychology Department.</li> <li>• Attended webinar on “Renewable Energy and Climate Change” on 4 June 2020 conducted by TERI.</li> <li>• Attended Webinar on “Biodiesel from Marine Algae” on 5 June 2020 conducted by V. O Chidambaram College, Thoothukudi</li> <li>• Attended Webinar on “Exciting opportunities in Life Sciences” on 11 June 2020 conducted by Fergusson College, Biotechnology Department.</li> <li>• Attended Webinar on “Seaweed as Sustainable Resource under Climate Change Scenario” on 12 June 2020 conducted by Annakkili Amma Research Institute (AARI).</li> <li>• Attended Webinar on “Role of National Centre for Microbial Resource, Pune in Identification and Preservation of Microbial Cultures” on 14 June 2020 conducted by Annakkili Amma Research Institute (AARI).</li> </ul>
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	<ul style="list-style-type: none"> <li>• Attended Webinar on “Current Trends of Botany” on 16 June 2020 conducted by Dr. Annasaheb Bendale Mahila Mahavidyalaya, Jalgaon.</li> <li>• Attended Webinar on “Effective Teaching-learning, Evaluation Using Learning Management System: MOODLE” on 8 May 2020 conducted by VP College, Baramati.</li> <li>• Attended Workshop on “Statistical Analysis using R” on 5 May 2021 and 6 May 2021 conducted by Fergusson College, Statistics Department.</li> <li>• Attended Webinar on “Amazing World of pollination” on 30 June 2020 conducted by Nevjabai Hitkarini College.</li> <li>• Attended Five days “National FDP on Innovating Teaching and Research In Science” from 10 June 2021 to 15 June 2021.</li> <li>• Attended FDP on “Online Teaching and E learning” by Indian Institute of Digital Education by First Grade college, Karnataka on 3 June and 4 June 2020.</li> </ul>
Event Organized/Conference/ Seminar/ Workshops coordinated	<ul style="list-style-type: none"> <li>• Participated in organization of One Day seminar in Recent trends in Mycology in 2016</li> <li>• Participated in organization of One Day workshop in Current trends in Plant Biotechnology in 2017</li> <li>• Coordinated the two day workshop in “Hands on Training Electrophoretic techniques” in 2018</li> </ul>

	<ul style="list-style-type: none"> <li>• Organized and participated in workshop “NET-SET Examination Preparation” held on 12 March 2022 organized by Department of Botany, Fergusson College, (Autonomous) in Collaboration with IFAS.</li> <li>• Participated in organization of National Webinar on “Trends in Algal Research” on 10 March 2022 conducted by Department of Botany, Fergusson College (Autonomous), Pune.</li> <li>• Organized and participated in One Day Workshop on “Research Publication And It’s Ethics” on 29 April 2022 conducted by Department of Botany, Fergusson College (Autonomous), Pune</li> </ul>
Additional Skills/Activities	Completed Visharad in Indian Classical Music