

Information for profiling

Basic Info.	<p>Name : Saylee Kalekar Designation: Assistant Professor Department: Microbiology E-mail: sayleekalekar@fergusson.edu</p> <p>Work experience (in years): 20 years Teaching: 20 years Industrial: Research: completed two BCUD projects as coinvestigators.</p>
Personal Profile	<p>Comprehensive problem-solving abilities, excellent verbal and written communication skills, willingness to learn, team facilitator</p> <p>Area of interest: Molecular biology, Genetics, Immunology and Applied Microbiology</p>
Course(s) Taught	Immunology, Molecular biology and genetics, Industrial microbiology
Field of specialization	Molecular biology and Agricultural biotechnology
Education Qualifications (upto Graduation)	<p>SET March 2004: SET (State level Eligibility Test) for Lecturer-ship in Life-sciences conducted by University of Pune.</p> <p>M.Sc. Microbiology May 2001: Masters in Microbiology from Department of Microbiology, University of Pune with 64.3% (First class)</p>
Awards, Honors	
Professional Membership	Life membership of Association of Microbiologists of India (AMI)
Employment History	<p>Twenty years of Teaching experience in Biology and Microbiology.</p> <p>Currently working as an Assistant Professor in Microbiology, Department of Microbiology, Fergusson college (Autonomous), Pune (June 2011- present)</p> <p>Assistant professor in Microbiology, Department of Microbiology, H.P.T. Arts and R.Y.K Science college, Nashik (June 2004 to December 2010)</p> <p>Assistant professor in Microbiology, Department of Microbiology, K.K.Wagh College of Arts, Commerce and Science, Nashik (April 2003 to June 2004)</p>

Research	<ul style="list-style-type: none"> • Reduction in levels of triglycerides and cholesterol using Probiotics' (BCUD funded project) • Exploring nitrogen fixing chemoheterotrophic oligophiles from natural habitats for preparing biofertilizers' (BCUD Funded project)
Publications	<p>Research Papers:</p> <ul style="list-style-type: none"> • Suneeti, Gore, Kalekar Saylee, Zagde Dhanashree, Talekar Nisha, Mehendale Sneha, and Patwardhan Rajashree. 2020. "Studies on Cholesterol Reduction and Formulation of Cholesterol Reducing Probiotic Microorganism." <i>Research Journal of Biotechnology</i> 15 (8). World Research Association: 35–43. • Patwardhan, Rajashree B., Pragati S. Abhyankar, Suneeti S. Gore, and Saylee V. Kalekar. 2020. "Covid 19: A Biological Disaster for India." <i>Disaster Advances</i> 13 (10). World Research Association: 72–84. • Leena Pathak and Saylee Kalekar 2012. "Exploring Nitrogen fixing Chemo-heterotrophic oligophiles from Natural habitats for preparing biofertilizers." <i>Scientific reports</i> 1(555). Doi.10.4172/scientificreports.555 <p>Books Published:</p> <ul style="list-style-type: none"> • A book on Principles of fermentation Technology I (2021). Nirali Prakashan • A book on Principles of fermentation Technology II (2022). Nirali Prakashan <p>Book Chapter:</p> <ul style="list-style-type: none"> • Patwardhan R. B., Abhyankar P.S., Gore S.S., Kalekar S. V., Umrani S. P. (2022). Biofungicidal properties of rhizobacteria for plant growth promotion and plant disease resistance. <i>Antifungal Metabolites of Rhizobacteria for Sustainable agriculture</i>. Springer Nature Switzerland.103-134
Participations in Conferences/Seminars/Symposia/Workshop	<ul style="list-style-type: none"> • Participated in the National Seminar on 'Implementation of Multi and Trans – Disciplinary Education under NEP 2020' from 18th – 20th January 2023 organized by Fergusson College (Autonomous), Pune • Participated in International e-Conference on "Pioneering Research in Microbiology and Environmental Sciences" held on 7th and 8th September 2021 organized by Pune District Education Association's Annasaheb Magar Mahavidyalaya, Hadapsar, Pune and was awarded Fourth Prize in Faculty category for poster presentation

	<ul style="list-style-type: none"> • Best Poster presentation award on ‘Screening of Lactic acid bacteria for alleviation of lactose intolerance’ in International conference on Nutrigenomics and Nutrigenetics: Present and future scenario January 2016 • Presented a paper entitled ‘Reduction in levels of triglycerides and cholesterol using Probiotics’ in Innovation 2016 • Presented a Research Paper entitled ‘Rhizosphere Siderophore genic Actinomycetes’; A current scenario, in National Webinar on Copyright concerns and challenges for online education 2020 • Pedagogical training for teachers on tools for online teaching, learning and evaluation • Workshop of Implementation of credit system for PG courses in colleges affiliated to University of Pune 2013 • National workshop on Recent trends in Applied statistics: An Interdisciplinary approach • AMI-ASM workshop on Art of science communication 2014 • Workshop on Research methodology and Scientific communication 2013 • State level Microbiological contest, organized by Dept. of Microbiology and biotechnology, R.C. Patel Arts, Commerce and Science College, Shirpur • Organized and participated by contributing lectures and practical for the workshop on ‘Basic Sciences’, organized by H.P.T. Arts and R.Y.K. Science College Nashik in collaboration with Science Forum, Nashik. • Organized and Participated in an ‘AIDS exhibition on World AIDS day’, to create awareness among students of H.P.T. Arts and R.Y.K. Science College Nashik. • Participated in workshop on Nanotechnology, under Teachers training programme, organized by MSG foundation, Mumbai, 21st September 2009 • Participated in the workshop on ‘Statistics for everyone’, under teachers training programme, organized by MSG foundation in collaboration with Science Academy, Bangalore, on 5th and 6th September 2009 • Participated in Biotechnology Symposium jointly organized by Symbiotek, Bioschool association and research scholar’s forum, IIT Bombay
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<p>Event Organized/Conference/ Seminar/ Workshops coordinated</p>	<ul style="list-style-type: none"> • Organized an online lecture series on Bioinformatics: Phylogeny, Next generation Sequencing and cheminformatics' under UGC – Stride 25th July – 29th July 2022 • Organized the inauguration 'Sookshm' the Microbiology Club of Department of Microbiology, Fergusson College (Autonomous), Pune on 6th April 2022 • Organized a National conference MATM 2014 • Organized and Coordinated different workshops for school teachers on microbiology under DBT star college scheme • Organized hands-on training for techniques in molecular biology and immunology for under-graduate students in DBT star college scheme.
<p>Additional Skills/Activities</p>	<ul style="list-style-type: none"> • Working actively as a college committee member in Feedback committee of Fergusson college (Autonomous), Pune • Working actively in Exam time table committee in Fergusson College (Autonomous), Pune