

### Information for profiling

Basic Info.	<p>Name: Dr. Manaswi Makarand Gurjar  Designation: Assistant professor  Department: Microbiology  E-mail: Manaswi.gurjar@fergusson.edu</p> <p>Work experience (in years)  Teaching: 18 years  Industrial: - Nil  Research: 6 years</p>
Personal Profile	<ul style="list-style-type: none"> <li>Completed graduation from Annasaheb Magar Mahavidyalaya, Hadapsar, Pune</li> <li>Post-graduation from Abasaheb Garware college, Pune and Ph.D from Dr. Babasaheb Ambedkar Marathwada Vidyapeeth, Aurangabad.</li> <li>Joined as lecturer in Microbiology in Annasaheb Magar Mahavidyalaya, Hadapsar, Pune in 2004</li> <li>Working as Assistant Professor in Microbiology in Fergusson College (Autonomous), Pune in 2012 till date</li> </ul>
Course(s) Taught	Immunology, Pharmaceutical Microbiology, Medical Microbiology, Industrial Microbiology, Antimicrobial therapy and prevention
Field of specialization	Medical Microbiology, Applied Microbiology
Education Qualifications (upto Graduation)	Ph.D, Microbiology, M.Sc. Microbiology, SET (Life Sciences)
Awards, Honors	<b>Achieved University rank first in B.Sc. Microbiology</b> in March 2002 and Awarded by “The Krishnaji Hari Joshi Palaspe Memorial Microbiology prize for the first rank in B.Sc. Microbiology
Professional Membership	Life member of Association of Microbiologists of India

Employment History	<p>Worked as:</p> <p>Lecturer in Microbiology in Annasaheb Magar Mahavidyalaya from 2004-2006</p> <p>Lecturer in Microbiology in Prof. Ramkrishna More College, Akurdi from 2006-2008</p> <p>Assistant Professor in Microbiology in Annasaheb Magar Mahavidyalaya, Pune from 2008-2011</p> <p>Assistant Professor in Microbiology in Fergusson college, Pune from 2012 till date</p>
Research	Ongoing project: Short term research project under seed money given by Fergusson College titled as 'Application of electrocatalysis for waste water splitting and waste water purification.'
Publications	<ol style="list-style-type: none"> <li>1. M.M. Gurjar, V.S. Hamde. 2020. Degradation of Pyrethroid Insecticide- cypermethrin (25% EC) using Soil Microorganisms and Detection of Degradation Products. Indian Journal Of agricultural research. (1): 1-7.</li> <li>2. Manaswi Gurjar and Venkat Hamde. 2018. Biodegradation of Pyrethroid Cypermethrin using Pseudomonas aeruginosa and detection of its plant growth promoting properties. International Journal of Agriculture, Environment and Biotechnology.11(3): 565-572.</li> <li>3. Gurjar M.M. and Hamde V.S. 2018. Pyrethroid- Cypermethrin Degradation using Soil Microflora and Parameter Optimization for the Degradation. International Journal of Recent Scientific Research. 9 (2(G): 24211-24216.</li> <li>4. M. M.Gurjar and V.S. Hamde. 2015. Pyrethroid – Cypermethrin degradation using microorganisms isolated from rhizospheric soil. International journal of current Microbiology and Applied Sciences. ISSN: 2319-7706, 97-102.</li> <li>5. M. M. Gurjar and V. S. Hamde 2018. Pyrethroid Insecticide Cypermethrin: Environmental Impact and Biodegradation. Vidyawarta. MAHMUL/03051,2012.ISSN:23199318. 38-43.</li> </ol>

<p>Participations in Conferences/Seminars/Symposia/Workshop</p>	<ol style="list-style-type: none"> <li>1. Mrs. Manaswi Gurjar gave an oral presentation on the topic of 'Isolation of microorganisms capable of cypermethrin degradation and parameter optimization for degradation' in 6<sup>th</sup> International Science Congress organized by International Science community Association in collaboration with Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune on 8<sup>th</sup> and 9<sup>th</sup> December 2016.</li> <li>2. Mrs. Manaswi Gurjar presented a poster on the topic of 'Role of <i>P. aeruginosa</i> as pyrethroid – cypermethrin degrader and as biocontrol agent against plant pathogens' in International Conference on 'Microbial Technology for a better tomorrow' organized by Dr. D. Y. Patil Arts, Commerce and Science College, Pimpri on 17<sup>th</sup> and 19<sup>th</sup> February 2018</li> <li>3. Participated in the National Seminar on 'Implementation of Multi and Trans – Disciplinary Education under NEP 2020' from 18<sup>th</sup> – 20<sup>th</sup> January 2023 organized by Fergusson College (Autonomous), Pune</li> </ol>
<p>Event Organized/Conference/Seminar/ Workshops coordinated</p>	<ol style="list-style-type: none"> <li>1. Mrs. Manaswi Gurjar &amp; Mrs. Anuja Madhekar organized a Lecture series on Scientific Communication on 3<sup>rd</sup> – 10<sup>th</sup> October 2016</li> <li>2. Mrs. Manaswi Gurjar &amp; Mrs. Anuja Madhekar conducted a Two-day workshop on 'Introduction to the exciting world of Microbiology' for high school students on 4<sup>th</sup> – 5<sup>th</sup> December 2017</li> <li>3. Department of Microbiology, Fergusson College (Autonomous), Pune, organized a training session for M. Sc. – I students on 'Advanced Molecular Biology techniques' in association with BioEra on 30<sup>th</sup> January</li> <li>4. Mrs. Manaswi Gurjar &amp; Mrs. Anuja Madhekar conducted a Two-day workshop on 'Introduction to the exciting world of Microbiology' for high school students in August 2019</li> <li>5. Involved in organization and conduction of Innovision 2021 at Fergusson College (Autonomous), Pune</li> <li>6. Organized the inauguration 'Sookshma' the Microbiology Club of Department of Microbiology, Fergusson College (Autonomous), Pune on 6<sup>th</sup> April 2022</li> <li>7. Organized an online lecture series on Bioinformatics: Phylogeny, Next generation Sequencing and cheminformatics' under UGC – Stride 25<sup>th</sup> July – 29<sup>th</sup> July 2022</li> </ol>

Additional Skills/Activities	<ol style="list-style-type: none"> <li>1. Working as departmental placement coordinator from 2017-18</li> <li>2. Working s departmental mentoring coordinator from 2019-20</li> <li>3. Active member of the NAAC 4 criterion 3</li> <li>4. Member of the Carrier Facilitation Center and involved in different activities for the students</li> </ol>
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