

BIO-DATA

Ms. Kajal Mahadev Gaikwad

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1 . Personal Information

Educational Qualification : M.Sc.Microbiology, GATE, SET, ASRB-NET

Date of Birth : 14th December, 1997

Category : Scheduled Caste

Religion and Cast : Hindu, Mang.

Gender : Female

Address : At- Bharanewadi, Post- Anthurane, Tal- Indapur Dist- Pune, 413114.

2. Educational Qualification:

Topic of PhD : Development of Biocatalytic Model for Corrosion Mitigation

PhD Guide : Dr. Yogini Ramkrishna Mulay, Vice Principal & Professor Department of Microbiology, Tuljaram Chaturchand Arts, Science and Commerce College, Baramati

Date of Registration : 06 May 2023

Sr. No.	Examination Passed	University/ Board	Year of Passing	Subject(s)	Class/ Grade
1	ASRB- NET	Agriculture Scientist Recruitment Board	2023	Agricultural Microbiology	Qualified
2	SET	Maharashtra SET	2023	Lifescience	Qualified
3	GATE	IIT Kanpur	2023	Lifescience	Qualified
4	M.Sc. Microbiology	Savitribai Phule Pune University	2020	Microbiology	First Class with distinction 79.45%
5	B.Sc. Microbiology	Savitribai Phule Pune University	2018	Microbiology	First Class with distinction 80%

6	HSC	Maharashtra Pune Divisional Board	2015	P.C.M.B.	70.62%
7	SSC	Maharashtra Pune Divisional Board	2013	Semi English	88.00%

3. Work Experience :

1. July 2024 – May 2025 : Assistant Professor, Department of Microbiology
Tuljaram Chaturchand Arts, Commerce and Science College, Baramati
2. June 2023 – May 2024 : Assistant Professor, Department of Microbiology
Tuljaram Chaturchand Arts, Commerce and Science College, Baramati
3. July 2022 – May 2023 : Assistant Professor, Department of Microbiology
Tuljaram Chaturchand Arts, Commerce and Science College, Baramati
4. Feb 2021 – May 2022 : Assistant Professor, Department B.Voc. Quality Control in Industry
Shardabai Pawar Mahila Arts, Commerce and Science College,
Shardanagar

4. Research Publications

Sr. No.	Title of the Paper	Name of Journal	Month and Year of Publication	ISBN / UGC No. / Impact Factor / Citation Details
1	Case Report – Successful Treatment of <i>Pityriasis Rosea</i> in 22 years old female patient	International Journal of Microbial Science	December 22, 2024	ISSN (online): 2582-967X
2	A Review on Trending Applications of Pullulan in Pharmaceutical Industry	Ecology Environment & Conservation	May 2024	UGC Care listed, SCOPUS Indexed
3	Studies on exopolysaccharide production from <i>Aureobasidium pullulans</i> spi 10 and its application as a green inhibitor for corrosion mitigation	Journal of Applied Biology and Biotechnology	April 2022	UGC Care listed, SCOPUS Indexed, DOI: 10.7324/JABB.2 022.100306

5. Research Projects

Sr. No.	Funding Agency	Project Title	Funds Received	Month and Year of Sanction	Duration & Status
1	Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Seed Money For Teachers 2023-24)	Development of a sustainable pullulan-based antimicrobial coating system	₹1,15,000	November 2023	1 Year Completed
2	Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati	Studies on checking potential of pullulan for microbially enhanced oil recovery	₹7,000	March 2023	6 Months Completed
3	Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati	Study on isolation, identification and characterization of pullulan producing strain and production of pullulan and its application in corrosion mitigation	₹7,000	March 2020	6 Months Completed

6. Students Research Projects Guided

1. Development of Pullulan -AgNP Nanocomposite Coating : An Eco Friendly Approach to Postharvest Preservation of Apples.
2. Modified Pullulan- Integrated Paint : A Biopolymer Approach to Surface Protection.
3. Development of Pullulan Nanocomposite for Antimicrobial Coating System.
4. Study on chemical modification of pullulan and its application in antimicrobial coating system.

5. Statistical Optimization of Pullulan Production by *Aureobasidium pullulans* CBS 584.75 strain By Using Plackett-Burman Design.

6. Studies on potential of pullulan for Microbially Enhanced Oil Recovery (MEOR)

7. Patents Published / Registered

Sr. No.	Name of Patent	Other Information	Number	Date of Publish
1	Wire Loop	The Patent Office, Government of India, Design Patent	411099-001	22 March 2024
2	Petri Plate Holder	The Patent Office, Government of India, Design Patent	411100-001	03 March 2024

8. Participation/ Papers Presentation in National and International Conferences :

Sr. No.	Name of Conference / Seminar	Title of the Paper	Date	Level	Organizer
1	International Conference on Biosciences for Harmony with Nature ICBHN-2025	Flash Talk Presentation Development of Nanoparticle Based Antimicrobial Coating System	16–18 January 2025	International	Department of Microbiology, M.C.E. Society's Abeda Inamdar Senior College, Pune
2	International Conference on Pioneering Innovations in Life Science Research	Consolation Prize Paper presentation Modification of Pullulan by Carboxymethylation	7 January 2025	International	Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirapalli
3	Avishkar Poster Presentation	Poster Presentation	25 September 2024	Zonal	Tuljaram Chaturchand Arts, Science and Commerce College Baramati & SPPU, Pune

4	International Conference on Biotechnology for Better Tomorrow: BTBT-2024	Best Oral Presentation Award Antimicrobial susceptibility testing of Carboxymethylated Pullulan	16–17 May 2024	International	Institute of Fundamental and Applied Research, National University (TIAME), Tashkent, Uzbekistan
5	2nd International Conference on Innovations in Biotechnology Research for Sustainable Bioresources and Bioeconomy (IBRSBB-2024)	Best Poster presentation Award Unraveling the potential of pullulan for corrosion mitigation	15–16 February 2024	International	Sanjivani Arts, Commerce and Science College, Kopergaon, Ahmednagar
6	National Conference on Microbial Bioprospecting for Environmental Conservation and Restoration	Poster Presentation Exploring L-asparaginase production	5–6 February 2024	National	Department of Microbiology, Shardabai Pawar Mahila College, Baramati
7	National Conference on Advanced Functional Materials: Synthesis, Characterization and Application (NCAFM-2020)	Poster Presentation Studies on biofilm formation of electrogenic bacteria in MFC	3–4 January 2020	National	PG Department of Physics, Vidya Pratishthan's College, Baramati
8	International Conference on “Unveiling the Frontiers in Life Science” (ICFLS 2023)	Participation	17–18 August 2023	International	Department of Biochemistry & PG Research, Shrimati Indira Gandhi College, Tiruchirapalli
9	National Conference on “Trends and Challenges in Chemistry” (TCC-2023)	Participation	10–11 March 2023	National	Department of Chemistry, Tuljaram Chaturchand College, Baramati
10	International Conference on “Empowering Society with Microbial Technology”	Participation	7–9 February 2019	International	Department of Microbiology, Tuljaram Chaturchand College, Baramati

9. Participation in Faculty Development Programs (FDP)

Sr. No.	Name of FDP	Date	Organized by
1	Five Days National Level Faculty Development Program on Research Methodology and Data Analysis using SPSS	24–28 February 2025	Daar UI Rehmat Trust's A.E. Kalsekar Degree College, Kausa-Mumbra, Thane
2	One Week Faculty Development Program on Research Methodology and Research Writing: An Icebreaking Discussion	20–24 January 2025	Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle

10. Participation in National/State Level Workshops, Seminars & Webinars

Sr. No.	Name of Workshops, Training, Seminars & Webinars
1	Two Days Online Training on Bibliometric Analysis Organized by TaqGene Training and Research Institute, in association with Microbiologists Society India On 22nd–23rd March 2025
2	One Day Online Workshop on Nanotech Instrumentation: Mastering Raman Spectroscopy Organized by Nano Nest Laboratory Pvt. Ltd., Coimbatore On 16th March 2025
3	Two Day National Level Workshop on Quantitative and Qualitative Research Held by Ideal Institute of Academic and Research Advancement (IIRA), Ministry of MSME, Mumbai On 8th–9th March 2025
4	One Day e-Seminar on Bridging Biology and Business for Life Science Students (BBBLS-25) Organized by Department of Biotechnology, Shivchhatrapati College, Chhatrapati

	Sambhajinagar in collaboration with Microbiologists Society India On 28th January 2025
5	Webinar Titled “Implementation of NGS in Your Research” Held by BioHelp Learning On 3rd January 2025
6	Skill Nation Certified Workshop on ChatGPT and AI in Microsoft Office Held on 13th November 2024
7	e-Workshop on Bibliometric Analysis Using RStudio & VOSviewer Organized by Commacad On 26th May 2024
8	Webinar on Research Writing Organized by Biosrishti Online Life Science Solutions On 13th April 2024
9	Virtual Hands-on Training on Bibliographic Tool – Mendeley Organized by Biosrishti Online Life Science Solutions On 19th March 2023
10	Four Days Hands-on Training Program in “Practices in Life Science and Diagnostics” Held at BioEra’s R&D Center and Training Facility, Pune On 17th–20th January 2023
11	E-Workshop on Basic Bioinformatics Organized by Biosrishti Online Life Science Solutions On 1st–3rd December 2022
12	International Webinar on Recent Scientific Techniques in Material Analysis and Cancer Detection Organized by Shardabai Pawar Mahila College, Shardanagar, Baramati On 2nd April 2021

11. Certifications

1. **Masterclass on Modern Bioinstrumentation 6-Days Certification Course** by Biochemica
2. **Diploma course in Gardening and Landscape** organized by Department of Botany, Tuljaram Chaturchand College Baramati, Savitribai Phule University Pune

3. **Maharashtra State Certificate in Information Technology (MSCIT)**
4. **Certificate in Government of Maharashtra Drawing Intermediate Grade Examination (Grade C)**

12. Work Experience

1. Question Paper Setter
2. Practical Examiner
3. Practical Expert
4. Examiner
5. Moderator
6. Junior Supervisor
7. BoS Member
8. Departmental Field Project Coordinator
9. Departmental OJT & CEP Coordinator

13. Extracurricular Activities

1. **Participation in Baramati Marathon**
2. **Participated in Workshop Series on Skill Development** organized by Anekant Institute of Management Studies, Baramati.
3. **Winner of 2nd Prize in Intaglio Series 2019, in Comedy Katta** by Anekant Institute of Management Studies (AIMS), Baramati.
4. **3rd Prize Winner in Slogan/Catchline/Caption Related to Botany Competition** organized by Department of Botany, Tuljaram Chaturchand College Baramati.
5. **3rd Prize Winner in Safety Poster Competition** held on occasion of Safety Week Celebration by Walchandnagar Industries Limited, Walchandnagar.