




## Faculty Profile on University Website [www.kmclu.ac.in](http://www.kmclu.ac.in)



Name	Dhirendra Singh				
Designation	Assistant Professor				
Department	Biotechnology Engineering				
<b>Contact Details</b>					
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<b>Educational Qualification</b>					
<b>Exam</b>	<b>Board/University</b>	<b>Subject</b>	<b>Passing Year</b>		
M.Tech	Institute of Engineering and Technology, Lucknow (Affiliated to A.K.T.U., Lucknow)	Biotechnology	2022		
B.Tech	Noida Institute of Engineering & Technology, Greater Noida (Affiliated to A.K.T.U., Lucknow)	Biotechnology	2020		
Sr. Secondary	RBSE	Hindi, English, Physics, Chemistry, Mathematics, Biology	2014		
Secondary	RBSE	Hindi, English, Science, Mathematics, Social Science, Sanskrit	2012		
<b>Details of Service</b>					
<b>Employer's Name and City</b>	<b>Designation</b>	<b>Type</b>	<b>Date(from)</b>	<b>Date(upto)</b>	<b>Total Experience</b>
SVNIET, Barabanki	Assistant Professor	Regular	Feb 2023	Aug 2023	06 Months
Shree Krishna College, Sikandra	Assistant Professor	Contract	Sep 2023	March 2024	06 Months

(Rajasthan)					
KMCLU	Assistant Professor	Temporary	March 2024	Present	2 Years
<b>Academic Details</b>					
Teaching Area/Specialization	<ol style="list-style-type: none"> <li>1. Computational Biology &amp; AI - ML in Biological Science</li> <li>2. Fermentation Biotechnology</li> <li>3. Nanobiotechnology</li> </ol>				
Teaching Experience	<ol style="list-style-type: none"> <li>1. Assistant professor in SVNIET, Barabanki from Feb 2023 to Aug 2023.</li> <li>2. Assistant Professor in Shree Krishna College from Sep 2023 to March 2024.</li> <li>3. Assistant Professor in Khwaja Moinuddin Chishti Language University, Lucknow since March 2024.</li> </ol>				
Research Area	Computational Biology & AI - ML in Nanobiotechnology, Fermentation Technology.				
Orchid ID	<b>0009-0007-6213-5815</b>				

<b>Research Details</b>	
No. of Research Publications	05 (Research Paper), 03 Conference Papers
Books	<ol style="list-style-type: none"> <li>1. Book Chapter on Food Spoilage in Food microbiology and biotechnology book.</li> <li>2. Book Chapter on Central Dogma of molecular biology in Molecular Biology book.</li> <li>3. Book chapter on Fermentation biotechnology in Food microbiology and biotechnology book.</li> <li>4. Upstream and Downstream Processing of Beer Production by Sorghum using <i>Saccharomyces cerevisiae</i> using honey as flavoring agent in Proceedings of First International Conference on Emerging Trends in Information Technology (ICETIT- 2025)</li> <li>5. Genetic variability in early growth traits and molecular profiling of some elite sugarcane genotypes in Proceedings of First International Conference on Emerging Trends in Information Technology (ICETIT- 2025)</li> <li>6. Production of Pectinase enzyme using agricultural waste as solid substrate using solid state fermentation in Proceedings of First International Conference on Emerging Trends in Information Technology (ICETIT- 2025)</li> </ol>
Projects and Their Details	<ol style="list-style-type: none"> <li>1. Production of fermented drink</li> </ol>

	<p>Kombucha and its impact on various disease-causing bacteria in 2019 under ABL scheme.</p> <p>2. B.Tech Thesis on 'Upstream and downstream processing of beer production by sorghum using Saccharomyces cerevisiae using honey as a flavouring agent'.</p> <p>3. M.Tech Thesis on 'Study of nanoparticles cytotoxicity using advanced machine learning approach'.</p>
No. Conferences/Seminars/Workshops Participated	07 (Conference) 03 (Seminar) 03 (Workshop)
<b>Honours/Awards</b>	
1. Contributed as a Review Committee Member for the "Quality Confluence of Biotech, Pharma, Engineering & A.I. Solutions to Global Problems (QCBPEASGP-2024)" International Conference at Khwaja Moinuddin Chishti Language University, Lucknow (April 19-20, 2024).	
2. Appointed as a judge for Smart India Hackathon 2024 organized by Samsung Innovation Campus.	
<b>Administrative Services to the University</b>	
1. Appointed as Departmental NAAC Coordinator & actively participated in the activities related to NAAC preparations, ensuring compliance with institutional quality standards and timely documentation.	
2. Contributed as a supporting Faculty in the Environmental Club, Foundation Day Celebration 2024 at KMCLU, Lucknow (October 1-3 2024).	
3. Member of the Cultural Committee.	
4. Member of Admission Help Desk – 2025.	
5. Departmental Representative in Training & Placement Cell.	
6. Program Officer: - Unit 6; National Service Scheme.	
7. Member of Gender Audit Club.	
8. Member of Road Safety club.	
<b>Community Service/Social Service/Other Contributions</b>	
1. Distribution of sanitary napkins on the occasion of International Women’s Day	
2. 7-day special camp under NSS in Allu Nagar – Diguriya.	
<b>Any Special Information</b>	
1. 2 NPTEL certification courses.	
2. More than 150 + Certification course.	
3. Secured gold badge in C programming and 2-star badge in python programming of Hackerrank platform.	
4. IBM big data certification, Python for data science certification course by IBM using	

Coursera.

5. English proficiency course by British council in 2020.

A handwritten signature in black ink, appearing to be 'S. Singh', written in a cursive style.

**Signature of Faculty Member**