


Title	Dr.	First Name	Kajal	Last Name	Gautam	
Designation	Assistant Professor					
Dept. Name	Biotechnology					
Address:	Govind ballabh Pant Institute of Engineering and Technology, Ghurdauri Pauri Garhwal Uttarakhand					
Phone No.	9456156110					
Email	Kajalshaivi@gmailcom			2.		
WebPage(ifany)						
SubjectsTaught	<ol style="list-style-type: none"> 1. Statistical Techniques in Biotechnology (TBT 244) 2. Biosensor (EBT 432) 3. Bioprocess Engineering (TBT 352) 4. Biotechnology Societal and Global Impact(THS 471) 5. Engineering Chemistry (TAH -111/121) 					
Areas of Interest/ Specialization	Environmental Science and Engineering, Wastewater Treatment, Electrochemistry, Separation Processes, Biochemical Engineering, Modeling and Simulation.					
Experience(inyears)	Total	2.4 years				
	Industry	01				
	Teaching	1.4 years				
	Research					
Educational Qualifications	UG	B. Tech in Chemical Engineering				
	PG	M. Tech in Biotechnology				
	Doctorate	Chemical Engineering				
	Anyother					
Research Publications in Journals	<ol style="list-style-type: none"> 1. Gautam, K., Kamsonlian, S., & Kumar, S. (2020). Removal of Reactive Red 120 dye from wastewater using electrocoagulation: optimization using multivariate approach, economic analysis, and sludge characterization. <i>Separation science and technology</i>, 55(18), 3412-3426. 2. Singh, K. K., Gautam, K., & Vaishya, R. C. (2016). Bioremediation of petroleum hydrocarbons from crude oil contaminated site by gravimetric analysis. <i>International Journal of Scientific Progress & Research</i>, 22(2), 75-78. 3. Gautam, K., Kumar, S., & Kamsonlian, S. (2019). Decolourization of reactive dye from aqueous solution using electrocoagulation: kinetics and isothermal study. <i>Zeitschrift Für Physikalische Chemie</i>, 233(10), 1447-1468. 4. Singh, K. K., Gautam, K., & Vaishya, R. C. (2016). Plastic-degrading bacteria from municipal wastewater. <i>International Journal of Scientific Progress & Research</i>, 21(3), 147-154. 5. Gautam, K., Verma, R. K., Kamsonlian, S., & Kumar, S. (2020). Decolorization of Reactive Black B from wastewater by electro-coagulation: optimization using multivariate RSM and ANN. <i>Chemical Product and Process Modeling</i>, 16(2), 129-144. 6. Kumar Verma, R., Gautam, K., Agrahari, S., & Kumar, S. (2022). Potential of electrocoagulation technology for the treatment of tannery industrial effluents: A brief review. <i>Chemical and Process Engineering</i>, 43(2), 217-222. 7. Gautam, K., Singh, K. K., Kumar, S., & Kamsonlian, S. Bio-degradation and Decolorization of Reactive Orange ME2RL Dye by Mixed Bacterial Culture Isolated from Municipal Wastewater,” <i>International Journal for Technological Research in</i> 					

	<p><i>Engineering</i>, 2347-4718.</p> <p>8. Gautam, K., Kumar, S., Patle, D., Kamsolian, S., & Singh, V. P. (2022, November). Experimental and Theoretical Investigations on Electrochemical Removal of Reactive Black 5 Dye from Wastewater. In <i>2022 AIChE Annual Meeting</i>. AIChE.</p> <p>9. Gautam, K., Singh, K. K., Kumar, S., & Kamsonlian, S. (2020), Decolourisation of Azo Dyes by Electrocoagulation Process with Response Surface Methodology”. <i>Research Journal of Chemistry and Environment</i>, 24(3) 31-40.</p>
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Papers Published in Conference Proceedings	<ol style="list-style-type: none"> Gautam, K., Kumar, S., & Kamsonlian, S (2018) A BBD Approach for Optimization of Electrocoagulation process to remove dye from wastewater: Isothermal and Kinetics study In <i>2018 International Conference on sustainable water resources innovation and Impacts by School of Chemical Engineering, VIT-Vellore, Tamil Nadu, India</i> Gautam, K., Kumar, S., & Kamsonlian, S (2018) Investigations on Removal of Reactive Black B Dye from Aqueous Solution using Electrocoagulation In <i>CHEMCON 2016 Chemical Engineering Towards sustainable Development The 69th Annual Session of IChE, Chennai, India 27 - 30th, December 2016</i> Gautam, K., Kumar, S., Kamsonlian, S & Kumar Y, (2022) Electrochemical Treatment of Wastewater containing Rective Blue 4 (RB 4) Dye by using Airlift Electrocoagulation and Optimization of Multivariate Parameters. In the <i>International Conference on “Technological Interventions for Sustainability (Chem-Conflux22)” held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14th - 16th, 2022</i> Gautam, K., Kumar, S., & Kamsonlian, S (2020) <i>Optimization of Reactive Black B Decolourization by Electrocoagulation using RSM and ANN. In the international Conference on Energy and Environmental Technologies For Sustainable Development(CHEM-CONFLUX20)” held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during February 14th - 16th, 2020</i>
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Books Authored/Book Volume Chapters	NIL
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No.of Conferences	National	Attended	Organized
	International	03	NIL
Research Guidance	Awarded	PG	Doctorate
		NIL	NIL
	Undergoing	NIL	NIL
Research Projects	Completed	NIL	

	Undergoing	NIL
Awards & Distinctions	MHRD scholarship awarded to pursue Ph.D.	
Administrative Assignments Handled		
Association with Professional Bodies		
Any other Achievements		