



**ZAKIR HUSAIN DELHI COLLEGE**  
**(University of Delhi)**

**Faculty Details**

(Please Fill the form and Email it to [website@zh.du.ac.in](mailto:website@zh.du.ac.in))

<b>Title</b>	<b>First Name</b>	<b>Last Name</b>	<b>Photograph</b>
Dr.	Manish	Kumar	
<b>Designation</b>	Assistant Professor		
<b>Address</b>	Department of Chemistry, Zakir Husain Delhi College, University of Delhi, Delhi		
<b>Phone Number</b>	<b>Office</b>	-----	
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<b>Educational Qualification</b>			
<b>Degree</b>	<b>Institution</b>	<b>Year</b>	
Ph.D.	University of Delhi	2021	
M.Sc. (Physical Chemistry)	Kirori Mal College, University of Delhi	2015	
B.Sc.(H) Chemistry	Kirori Mal College, University of Delhi	2013	
<b>Career Profile</b>			
14 December 2020 - 13 August 2021, Assistant Professor (Guest) at Department of Chemistry, University of Delhi.			
26 August 2021 - 28 December 2021, Assistant Professor (Guest) at Deen Dayal Upadhyay College, University of Delhi.			
29 December 2021 - 28 February 2022, Assistant Professor (Adhoc) at Zakir Husain Delhi College, University of Delhi.			
1 February 2022 – till date, Assistant Professor at Zakir Husain Delhi College, University of Delhi.			
<b>Administrative Assignments</b>			
NA			

<b>Areas of Interest / Specialization</b>
Physical Chemistry
<b>Subjects Taught</b>
Thermodynamics, States of matter, Phase equilibria, Electrochemistry
<b>Research Guidance</b>
NA
<b>Publications Profile</b>
<ul style="list-style-type: none"> <li>• <b>M. Kumar</b>, G. K. Mishra and R. Kant, Theory for Admittance Voltammetry of Reversible Two Step Electron Transfer Process with DC Bias at Rough and Fractal Electrode, <i>Electrochimica Acta</i>, 327 (2019) 135024. (IF-6.90)</li> <li>• <b>M. Kumar</b>, S. Srivastav and R. Kant, Influence of Electrode Roughness on DC Biased Admittance of Quasi-reversible Charge Transfer with Uncompensated Solution Resistance, <i>Journal of Electroanalytical Chemistry</i>, 877 (2020) 114609. (IF-4.46)</li> <li>• S. Srivastav, <b>M. Kumar</b> and R. Kant, Theory for Influence of Uncompensated Solution Resistance on EIS of Diffusion Limited Adsorption at Rough Electrode, <i>Journal of Chemical Sciences</i>, 133 (2021) 1-13. (IF-1.57)</li> <li>• <b>M. Kumar</b> and R. Kant, Theory for Influence of Ohmic Resistance and Electrode Roughness on Admittance Voltammetry of Reversible E and EE Reactions. <i>Journal of Electroanalytical Chemistry</i>, 898 (2021) 115601. (IF-4.46)</li> </ul>
<b>Conference Organization/ Presentations (in the last five years)</b>
<ul style="list-style-type: none"> <li>• Theory for Impedance of Two Step Electron Transfer Process at Rough and Fractal Electrodes, Poster Presentation, Theoretical Chemistry Symposium at BITS Pilani, 2019.</li> <li>• Theory for Reversible Two Step Electron Transfer Process with DC Bias Admittance at Fractal Electrodes, Oral Presentation, Dynamics Day Delhi-XIII at IIT-Delhi, 2019.</li> <li>• Theory for Admittance Voltammetry of Reversible Electron Transfer at Rough and Fractal Electrodes. Poster Presentation, International Conference on Electrochemistry (ISEAC) at BARC, Mumbai, 2020.</li> <li>• Theory for Reversible Two Step Electron Transfer Process with DC Bias Admittance at Fractal Electrodes, Oral Presentation, International Conference on Advances in Chemical Science and Nano composite at Zakir Husain Delhi College, University of Delhi, 2022.</li> </ul>
<b>Research Projects (Major Grants/Research Collaboration)</b>

<b>NA</b>
<b>Awards and Distinctions</b>
<ul style="list-style-type: none"><li>• Best Poster Award in Theoretical Chemistry Symposium, 2019 conducted by Department of Chemistry, BITS, Pilani.</li><li>• Best Poster Award in Prof. R. C. Paul National Symposium, Feb. 2018 conducted by Department of Chemistry, Panjab University, Chandigarh.</li><li>• Qualified CSIR- NET-JRF conducted by CSIR-New Delhi (December 2014).</li><li>• Qualified IIT-JAM entrance conducted by IIT-Delhi in February, 2013.</li></ul>
<b>Association With Professional Bodies</b>
<b>NA</b>
<b>Other Activities</b>
<b>NA</b>