


Curriculum Vitae

Full Name:	Dr. Jitendra			
Designation:	Assistant Professor			
Department:	Chemistry			
Campus:	HNB Garhwal University, Birla Campus, Srinagar (Garhwal) Uttarakhand			
Mobile:	+91-8630372879, 8273306227 (whatsapp)			
Email	jeetiitr@gmail.com , jeethnbguch@gmail.com			
Education Qualification:	M. Sc. (Inorganic Chemistry) : IIT Roorkee Ph.D. (Chemistry) : IIT Roorkee			
Teaching Experience	9 Years	Research Experience	9 Years	
Research Interest and Fields of Specialization				
<ol style="list-style-type: none"> 1. Electrochemical Sensors 2. Optical sensors 3. Organometallic Compounds 4. Machine Learning in Chemistry 				
Honours & Awards				
<ol style="list-style-type: none"> 1. NET –JRF :2006 				
Research Supervision (No. of Ph.D. Degree Awarded/Registered)				
Awarded : 02 Registered: 01				
Research Projects Completed:				
Title: “Development of ion sensors for the determination of toxic metal in environmental Samples” funded by UGC. Total Grant: 6.0 Lakhs				
Publications:				
<ol style="list-style-type: none"> 1. Neural Network Based Machine Learning Method for Predicting Solubility of Carbon Dioxide in Ionic Liquids, <i>International Journal of Research and Analytical Reviews</i> 2023 (10) 849-876 2. Schiff base complexes of Cu(II) and Ni(II) derived from N,N’ bis(salicylidene)-o-phenylenediamine as potential ionophores in the construction of PVC membrane iodide sensors, <i>Colloids and Surfaces A:Physicochemicaland Engineering Aspects</i>, 2022 (639) 128369. 3. A novel potentiometric sensor for determination of fluoride ion based on ionophore N,N’-Ethylene-bis(salicylideneaminato)nickel (II), <i>Materials Today:Proceedings</i> 2022 (57) 157-163. 4. A Novel Potentiometric Sensor for Determination of Nitrate ion based on N, N’-Ethylene-bis-(Salicylideneaminato)copper (II), <i>Journal of Mountain Research</i> 2021 (16) 325-339. 5. Fabrication of Coated Graphite Electrodes for Selective Determination of Co²⁺ ions in Environmental Samples, <i>International Journal of Research and Analytical Reviews</i>, 2019 (6) 456-466. 				

7. **Fabrication of novel coated graphite electrodes for the selective nano-level determination of Cd²⁺ ions in biological and environmental samples**, *Electrochimica Acta* 2011 (11) 9095-9104.
8. **Highly Selective Nd(III) Sensors: Novel Macrocyclic Compounds for Potentiometric Determination of Neodymium**, *Electroanalysis* 2010 (22) 2443-2452.
9. **Novel coated graphite electrodes for the selective determination of Gd(III) in rocks and waste water samples**, *Electrochimica Acta* 2009 (54) 5640-5647.
10. **Development of an electrochemical sensor based on Schiff base for Cu(II) determination at nano level in river water and edible materials**, *International Journal of Environmental Analytical Chemistry* 2009 (89) 1081-1098
11. **Tripodal Cadmium Complex and Macrocyclic Ligand Based Sensors for Phosphate Ion Determination in Environmental Samples**, *Electroanalysis* 2008 (20) 1186-1193

Administrative Experience

1. Departmental Coordinator IQAC,
2. Co- Coordinator DST-INSPIRE Program
3. Hostel Warden, Aryabhata Research Hostel (2017-2021)
4. Member of BoS, Chemistry Department, HNBGU
5. Member UG Admission Committee
6. Member PG Admission Committee

Conference/Symposium/Workshop Organized during last five years

1. National Conference on Recent Frontiers in Chemistry (NCRFC-2018) April 27-28, 2018, H.N.B. Garhwal (A Central) University, Srinagar, Uttarakhand.