


Curriculum Vitae

Full Name:	DR. VIJAY KANT			
Designation:	Assistant Professor			
Department:	Chemistry			
Campus:	Srinagar Uttarakhand			
Telephone:		Fax:		
Mobile:	+917607705809			
Email	Vijaykant.iitb@gmail.com			
Education Qualification:	Ph.D. Indian Institute of Technology Bombay, Mumbai, India, 2014			
Teaching Experience:	04 Years	Research Experience:	4 Years	
		Post Doc		
Research Interest and Fields of Specialization				
<ol style="list-style-type: none"> 1. Mechanistic Understanding of Perovskite Solar Cells 2. Semiconductor nanomaterials towards the application in optical microscopy 3. Excited State Proton Transfer in Confined Media 				
Honours & Awards				
<ol style="list-style-type: none"> 1. National Postdoctoral fellowship 2016 2. Erasmus Mundus Euphrates Postdoctoral Fellowship 2014 3. GATE 2008 4. CSIR JRF December, 2007 5. NET June, 2007 				
Member of Academic Institutions.				
Membership of Scientific Organizations				
Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered)				
Research Projects/ MoU undertaken				
Title: Spectroscopic Study to Understand the Fundamental Optoelectronic Properties of Colloidal Perovskite Nanocrystals Funding Agency: SERB, New Delhi Total Cost: 18,30,000/- Ongoing				
Administrative Experience: 01				
Scientific Visits Abroad/ International Collaboration				
<ol style="list-style-type: none"> 1. University of Santiago De Compostela, Spain 				
Conference/Symposium/Workshop Attended during last five years (2017-2022)				
International: 00				
National: 00				
Conference/Symposium/Workshop Organized during last five years (2017-2022)				
Publications during last five years (2017-2022)				

Journals

1. **Vijaykant Khorwal** and Pratik Sen, Ultrafast Excited State Intermolecular Proton Transfer Dynamics of 2-(4'-Pyridyl)benzimidazole inside the Nanocavity of Reverse Micelles, **J. Photochem. Photobiol. A.** 347, 2017, 86-92 (Impact Factor 4.3) ISSN No. 1010-6030

2. **Vijaykant Khorwal***, Uma Nudurupati, Sohidul Islam Mondal, and Anindya Datta, The Interplay of Hydrophobic and Electrostatic Interactions in the Modulation of Protonation-Deprotonation Equilibria of Two Positional Isomers in Their Complexes With Cucurbituril, **J. Phys. Chem. C** 121, 2017, 5379–5388. (Impact Factor 4.1) ISSN No. 1932-7447.

3. Pritam Dey, **Viaykant Khorwal**, Pratik Sen, Krishanu Biswas and Tanmoy Maiti, Spectral studies of lead free organic-inorganic hybrid solid state perovskites $\text{CH}_3\text{NH}_3\text{Bi}_2/3\text{I}_3$ and $\text{CH}_3\text{NH}_3\text{Pb}_1/2\text{Bi}_1/3\text{I}_3$: potential photo absorbers, **Chemistry Select.** 3, 2018, 794–800. (Impact Factor 2.3) ISSN No. 2365-6549.

4. **Vijaykant Khorwal*** & Riya Kathuria

Protonation-Deprotonation Dynamics of 2-(4'-Pyridyl) benzimidazole derivative with Cucurbit[6]uril at two different pH, **Supramolecular Chemistry**, PAGE 452-459 VOLUME 33 ISSUE 8 2022 . (Impact Factor 1.7)

Proceedings:00

Books:00

Total Number of Research Publications: 09