

ACADEMIC INDIVIDUAL PROFILE
(From 2011-12 to 2017-18)



Name	Bikash Sharma	
Designation	Assistant Professor	
Date of Joining	15/12/2017	
Educational Qualification	M.Sc.	
Area of Interest/ Specialization	Material Science/ Nanotechnology	
Contact No.	+91-9706758940	
Email	bikash.sharma150@gmail.com	
Awards/ Patents	No	
Title of Ph.D./ M. Phil Topic, Name of University & Date of Awards	Title of Ph. D.: “A Study on the Applicability of Atmospheric Pressure Glow Discharge Plasma for Growth of Carbon Nanostructures” (Pursuing under Gauhati University)	
Teaching Experience	UG Course- 5 Months	PG Course- No
Publication of Research Paper	International Level	National Level
	Name of the Journal: Materials Today Communications Title of the Topic: Investigation on the transformation of vertically aligned CNTs to intramolecular junctions by atmospheric pressure PECVD. Vol.16;Year:2018; PageNo. 178 ISSN: 2352-4928 (Online)	No
	Name of the Journal: Journal of Physics D: Applied Physics Title of the Topic: Role of hydrogen diffusion in temperature-induced transformation of carbon nanostructures deposited on metallic substrates by using a specially designed fused hollow cathode cold atmospheric pressure plasma source. Vol.50 Issue: Year:2017; Page No. 155207 ISSN: 0022-3727 (Print); 1361-6463 (Online)	
	Name of the Journal: ACS Applied Materials and Interfaces Title of the Topic: Self-powered Broadband Photodetector using Plasmonic Titanium Nitride Vol. 8 Year: 2016; Page No. 4258 ISSN: 1944-8244 (Print); 1944-8252 (Online)	
	Name of the Journal: Scientific Reports Title of the Topic: Plasmonic Hot Hole Generation by Interband Transition in Gold-Polyaniline Vol. 5 Year: 2015; Page No. 18276 ISSN: 2045-2322 (Online)	
Books Published/ Chapter Contribution	Name of the Book: An Introduction to Material Science Title of the Chapter: <i>Carbon Nanotube: Synthesis, Properties and Applications</i> ISBN: 978-93-84095-76-5 Published by: Ashok Publication, Guwahati Year: 2017	
Research Project	No	

National and International Seminar attended/ Paper Presented	<p>1. National Seminar on Advances in Materials Science (AMS) in Gauhati University (Oral Presentation) Title of the Paper: Hollow Cathode Cold Atmospheric Pressure Plasma Source for Deposition of Carbon Nanostructures on Metallic Substrates Sponsored by: UGC-SAP (DRS III) Date: March 24-25, 2017</p>	National
	<p>2. Internation Conference on Emerging Trends in Nano Materials Science and Teghnology (ICETNMST) in NIT Nagaland (Poster Presentation) Title of the Paper: Temperature Induced Transformation and Field Emission behaviour of Carbon Nanostructures deposited by Atmospheric Pressure RF-PECVD Process Sponsored by: NIT Nagaland Date: January 4-6, 2017</p>	International
	<p>3. National Conference on Carbon Material (NCCM) 2015, in National Physical Laboratory, New Delhi. (Oral Presentation) Title of the Paper: Atmospheric Pressure Synthesis of High Density Carbon Nanotubes by RF PECVD Process Sponsored by: DST, Ministry of Earth Science, DRDO, ISRO Date: November 25-27, 2015</p>	National
	<p>4. Nano India 2015 in SASTRA University, Thanjavur, Tamil Nadu. (Poster Presentation) Title of the Paper:Field Emission Studies of Aligned Carbon Nanotubes Synthesized by Pulsed PECVD Process Sponsored by: DST Nano Mission Date: January 29-30, 2015</p>	National
	<p>5. National Conference on New Advances and Horizons in Nanoscience and Nanotechnology (Nano-Sci 2014), in IASST, Guwahati.(Poster Presentation) Title of the Paper:Growth of aligned Carbon Nanotubes by Pulsed PECVD process at a pressure of 40 Torr”in Sponsored by: SERB-DST, CSIR Date: December 20-21, 2014</p>	National
	<p>6. National Conference on Transport Properties in Low Dimensional Systems: Experiment and Simulation (Trans:LES-2014), in IASST, Guwahati. (Poster Presentation) Title of the Paper:Field Emission Properties of vertically aligned Carbon Nanotubes produced by Pulsed PECVD Sponsored by: DST, BRNS, DBT Date: December 11-13, 2014</p>	National
Workshop/ Conference Attended	<p>1. Teachers Training Workshop (Under the programme “Faculty Training, Motivation & Adoption School & Colleges by CSIR Labs”) Organized by: CSIR-NEIST, Jorhat Date:March27-28th2018</p>	
	<p>2. DST-SERB School on Plasma Theory Organized by: IASST, Guwahati Date: November 9-29th 2016</p>	National
	<p>3. DST-SERC School on Modern Optics Organized by: IIT Guwahati Date: November 10-22, 2010</p>	National

No. of Orientation/ Refresher/ Short Term Course	No
Speech Delivered/ Acted as Resource Person in Seminar/ Workshop/ Conference/ Symposium in other Institution	No
Research Supervision (M. Phil, Ph. D.)	No
Membership in Professional Bodies	No
Contribution in the Corporate Life	No
Any Other Information	No