




Shivaji College Faculty Details Proforma



Title	Mr.	First Name	VISHAL	Last Name	CHAUDHARY	Photograph
Designation	ASSISTANT PROFESSOR					
Address	210-A, C-BLOCK, NAVEEN PLACE, JHARODA ROAD, NAJAFGARH, NEW DELHI-110072					
Office Phone No.						
Residence	+91-8860392355					
Mobile	+91-9971757034					
Email	Chaudhary00vishal@gmail.com					
Web-Page						
Educational Qualifications	PhD (Submitted)					
Degree	University/Institute			Year		
Ph.D.	Department of Physics & Astrophysics, University of Delhi			2018 (Submitted)		
M.Phil./M.Tech.	N.A.					
PG	Kirori Mal College, University of Delhi			2012		
UG	Shivaji College, University of Delhi			2010		
Any Other Qualification	Course on Conducting polymers on Coursea.com			2013		
Career Profile						
<p>To be in the field of academics as a teacher where I can use my passion to develop young minds and work for the overall developments of students including their intellectual, emotional, social, spiritual and psychological growth.</p> <p>To constantly upgrade my knowledge and skills and make a difference in whatever I do.</p> <p>“Life is strong and fragile. It’s a paradox.. its both things, like Quatum Physics: it’s a particle and a wave at the same time. It all extsa all together.”</p> <p>Working as Assistant Professor in Shivaji College since September 2015</p>						

Administrative Assignments
Member of Student Advisory committee, Discipline committee, alumni committee, Physics society and Astrophysics club.
Areas of Interest/Specialisation
Condensed Matter Physics, Nanotechnology, Charge transport, Gas sensors, Astrophysics and Plasma Physics.
Subjects Taught
Solid State Physics, Electromagnetic Theory, Waves and Optics, Mathematical Physics, Basic Instrumentation Skills, Ray optics
Innovation Project/Research Projects (Major Grants/Research Collaboration)
Research Fellow at Department of Physics and Astrophysics, University of Delhi, of Department of science & technology (DST), Government of India project titled “gas sensors based on nanostructured conducting for polymers”. (From Sep, 2012 to April, 2015)
Publications Profile (Research Papers/Books)
<ol style="list-style-type: none"> Vishal Chaudhary, A. Kaur, Enhanced and selective ammonia sensing behaviour of poly(aniline co-pyrrole) nanospheres chemically oxidative polymerized at low temperature, <i>Journal of Industrial and Engineering Chemistry</i>, 26 (2015) 143–148 (Impact factor: 4.4). Vishal Chaudhary, A. Kaur, Solitary surfactant assisted morphology dependent polyaniline based sensors for room temperature monitoring of low ppm sulfur dioxide, <i>Polymer International</i>, 64 (2015) 1475-1481 (Impact factor: 2.41). Vishal Chaudhary, A. Kaur, Enhanced room temperature monitoring of low ppm sulfur dioxide by polyaniline – tungsten oxide nanocomposite possessing honeycomb morphology, <i>RSC Advances</i>, 5 (2015) 73535-73544. (Impact factor: 3.84). Vishal Chaudhary and Amarjeet Kaur, Surfactant directed polyaniline nanostructures for high performance sulphur dioxide chemiresistors: effect of morphologies, chemical structure and porosity, <i>RSC Advances</i>, 6 (2016) 95349-95357. (Impact factor 3.84). Vishal Chaudhary and Amarjeet Kaur, Effect of charge carrier transport on room temperature sulphur dioxide monitoring performance of highly porous polyaniline nanofibres, <i>Polymer International</i> 66 (2017) 699-704 (Impact factor: 2.41).
Conference/Seminar/Faculty Development Programme/Workshop
<ol style="list-style-type: none"> Enhancement in ammonia gas sensing behavior and inert environment stability of poly (py co-ani) (Poster), V. Chaudhary, A. Kaur at Workshop on <i>frontiers of condensed matter physicist</i>, 2013, University of Delhi, Delhi, April 12-14, 2013. Fabrication of chemiresistor based on polyaniline nanograins for detection of nitrogen dioxide at room temperature (Best Oral presentation), V. Chaudhary at <i>NCSCAAN, 2014</i>, Hindustan College of Science & technology, U.P, January 17-19, 2014. Chemiresistors based on conducting polymer nanofibres for ammonia detection (Poster), V. Chaudhary, Ishpal, A. kaur at <i>Nanoscience and Nanotechnology</i>, 2014, University of Delhi, Delhi, India, March 14, 2014. Charge transport and selective ethanol sensing behavior of Polyaniline-Ag-AgCl nanocomposite (Poster), V. Chaudhary, A. Kaur at <i>Transport Properties in Low Dimensional Systems: Experiment and Simulation</i>, Indian Institute of Advanced studies, Guwahati, India, December, 11-13, 2014. Experimental facilities for chemiresistor fabrication and analysis (Poster) V. Chaudhary, A. Kaur at <i>INUP meet</i>, IISc, Bangalore, India, Jan. 27-30, 2015. Redox potential assisted sensing behaviour of polyaniline nanofibres (Best Oral presentation), Vishal Chaudhary at <i>National seminar on advances in polymer sciences and technology</i> 2016,

JNU Delhi, March 9-10, 2016.

7. Polyaniline-Silver core-shell nanocomposite as an energy efficient rapid hydrazine chemiresistors (**Poster**), **V. Chaudhary**, A. Kaur at *Royal Society of Chemistry symposium on advanced materials for energy* held at NPL, Delhi on 7th October, 2016.

8. Charge transport study of poly (aniline co-pyrrole) nanospheres based high performance sulphur dioxide chemiresistor (**Young scientist talk**), **Vishal Chaudhary** at *Materials and devices using soft matter: Current Status and Outlook*, DAAD seminar held at University of Delhi, Delhi on 21st November, 2016.

9. Smart sensors based on nanostructured conducting polymers for monitoring hazardous gases (**Young scientist talk- best talk prize**), **Vishal Chaudhary**, Amarjeet Kaur at *International science fair 2016* at NPL, Delhi on 9th December, 2016.

10. Smart sensors based on nanostructured polyaniline for monitoring sulphur dioxide (**Poster**), **Vishal Chaudhary**, Amarjeet Kaur at *International science fair 2016* at NPL, Delhi on 10th December, 2016.

11. Energy efficient smart sensors based on nanostructured conducting polymers for monitoring hazardous contaminants (**Best Oral presentation**), **Vishal Chaudhary** at National conference on *NANOWORLD 2018* at Shivaji College, Delhi on 12-13th April, 2018.

12. **Faculty Development Programme** on “Embedded Systems and Applied Physics” organized by Rajdhani college, University of Delhi in Dec, 2017.

13. Leading a group of students as mentor attended a workshop on Astrophysics (NASA Scientist Dr. Heather Paul) organized by Atlantis at National Science center, Delhi on Jan 30, 2016.

14. Attended “Workshop on information literacy and competency” by Delhi University library system, University of Delhi, Delhi on 4th Dec, 2014.

15. Attended International Workshop on “Advanced Materials Challenges for Alternative Energy Solutions (AMAES 2013)” at **hotel Le Meridien**, New Delhi during **Sep. 16-18, 2013**.

16. Volunteer at the Indo-German conference on WAMFER 2012 entitled “**energy workshop on future energy requirements**” held at University of Delhi on 29-30 november, 2012.

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

1. Guided M.Sc. chemistry dissertation of two students on gas sensing phenomenon of polyaniline and polypyrrole from Amity University, U.P. in 2017.

2. Guided a summer project of a UG level student over use of gas sensors in Robotics in 2016

Awards and Distinctions

1. President of Physics society of Shivaji College, University of Delhi, India. (During 2008-2009).

2. National Eligibility Test (NET) for Lectureship conducted by Joint CSIR-UGC, June 2012, Roll. No. 512004, All India Rank 171.

3. Got 2nd rank at graduation level during B.Sc. (H) Physics. (2007-2010: Shivaji College)

4. 100% scholarship by Akash Institute for PMT, Uttam nagar during 2005-2007.

Memberships

1. Member of “Research Innovation Express” of Elsevier.

2. Reviewer at Journal of Materials Science and Surface Engineering (JMSSE).

3. Member of Chegg Solutions for Physics problems.

4. Member of Royal society of chemistry.

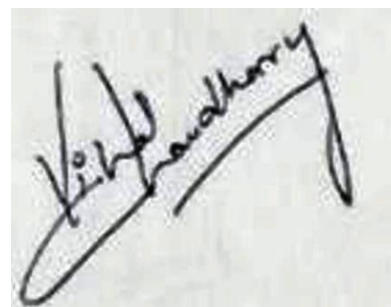
5. Member of SCI publishing.

Other Academic Activities

1. Organizing committee at National conference on *NANOWORLD* 2018 at Shivaji College, Delhi on 12-13, April, 2018.
2. Organizing committee of physics society, Shivaji College annual fest "Tech-Invenio" in 2016, 2017, 2018.
3. Organizing secretary of Physics society, Shivaji College annual workshop "Spectrum" 2018.
4. Organizing committee of Physics society, Shivaji College annual workshop "Pratibimb" 2017.
5. Resource person at INSPIRE camp dec 2016 and Trip convener at INSPIRE camp dec 2016.
6. Attended National Science day as representative teacher from Shivaji College at IUAC, Delhi on 22 March, 2016.
7. Organizing committee of physics society, Shivaji College, workshop on Astrophysics by Shivaji college in 2016.

Cultural/Extracurricular Activities

1. District level certificate in YOGA at school level (3rd prize).
2. Got many certificates in extracurricular activities like yoga, GK quiz, talent hunt etc.

A handwritten signature in black ink on a light-colored background. The signature is written in a cursive style and appears to read "Vijay Chaudhary".

Signature of Faculty Member