Shivaji College Faculty Details Proforma

Title	DR	First Name	GYADRA KRISHN	Last Name	PANDEY	Photograph
Designation		Assistant Professor (Adhoc)				
Address		Department of Physics, Shivaji College Rajouri Garden, New Delhi-110027.				
Office Phone No.		011-25116644				
Residence		21A, Jia Sarai, Hauzkhas, New Delhi-110016				
Mobile		9718379008.				
Email		gyanendraiitd@gmail.com				
Web-Page						
Educational Qualifications						
Degree		**University/Institute**				**Year**
Ph.D.		Indian Institute of Technology Delhi.				**2017**
M.Phil./M.Tech.		M.Tech.(*Optoelectronics and Optical Communication*), Indian Institute of Technology Delhi.				**2012**
PG		M.Sc., Physics, Patna University, Patna.				**2007**
UG		B.Sc. Physics (Hons.), Jai Prakash University, Chapra.				**2004**
Any Other Qualification		CSIR UGC NET Dec.-2009. GATE-2010. JEST-2010.				

Career Profile

More than 6 years of teaching experience at undergraduate and postgraduate level under Delhi University constituent colleges.

Administrative Assignments

Areas of Interest/Specialisation

Plasmonics, Raman Plasmonics
Nanophotonics
Optoelectronics

Subjects Taught

Electromagnetic Theory
Solid State Physics
Modern Physics
Electricity and Magnetism
Mechanics Etc….

Innovation Project/Research Projects (Major Grants/Research Collaboration)

Publications Profile (*Research Papers/Books)*

1. Study of geometry dependent Raman enhancement factor of a single biomolecule, GK Pandey, NK Pathak, RP. Sharma, 2018, Advanced Materials Proceedings, 3(3), 161-163.

2. Electromagnetic Study of Surface Enhanced Raman Scattering of Plasmonic-Biomolecule: An Interaction between Nanodimer and Single Biomolecule, GK Pandey, Nilesh Kumar Pathak, R.Uma, R. P. Sharma, 2017, Solid State Communications, DOI: 10.1016/j.ssc.2017.03.010.

3. Study of Surface Enhanced Raman Scattering of Plasmonic Coupled Biomolecule: Role of Multi-layered Nanosphere, GK Pandey, NK Pathak, R Uma, RP Sharma, 2017, Plasmonics, DOI:10.1007/s11468-017-0502-8.

4. H. Pathak, A Ji, NK Pathak, GK. Pandey, Prof, RP. Sharma "Broadband Scattering with Strong Electric Field Coupling Between Metal Nanostructures Using DDA Simulation: Role of Different Organic Environment ". Journal of Photo voltaic cell, AIEEE, 6(4), 1-12, july2016.

5. Study of external quantum efficiency of plasmonic coupled bilayer active device: influence of layer thickness and nanoparticle filling factor, NK Pathak, H Pathak, GK Pandey, A Ji, RP. Sharma Applied Physics A, 122 (12), Dec 2016.

6. "Study of Surface Enhanced Raman Scattering of Single Molecule Adsorbed on the Surface of Metal Nanogeometries: Electrostatic Approach", GK. Pandey, NK. Pathak, Alok ji, H. Pathak, Prof. R.P. Sharma, Journal of Plasmonics. DOI 10.1007/s11468-016-0181-x.

7. NK. Pathak, GK. Pandey, Alok ji, Prof. R.P. Sharma "Study of light extinction and surface Plasmon resonances of metal Nano cluster: A comparison between coated and non-coated nano-geometry" Journal of Plsmonics. /s11468-015-9978-2.

Conference/Seminar/Faculty Development Programme/Workshop

1. Organising Committee member, A CSIR funded national conference title "NANOWORLD-2018, organised by Shivaji College, 12-13th april 2018.
2. Attended faculty development program title "Applied Physics and Embadded Systems design organised by Rajdhani College from 14-15th dec. 2017

3. Poster Presentation, Nano India-2017, IIT Delhi, India Study of Field distribution of metal nanoparticle and its application to SERS.

4. Workshop on Optics and Photonics: Theory and Simulation OPTCS, IIT Delhi, 4-5, March-2017.

5. Oral Presentation, ICNANO-2017, Study of geometry dependent Raman enhancement factor of a single biomolecule, Allahabad.

6. Attended "INSPIRE Science Camp 2016", Department of Science and Technology (DST), Organised by Shivaji College, University of Delhi, December, as a Resource Person.

7. Attended a workshop on Embedded System, Hansraj College, North campus, 15-16th January-2016.

8. Attended "INSPIRE Science Camp 2015", Department of Science and Technology (DST), Organised by Shivaji College, University of Delhi dated 19-23 December, as a Resource Person.

9. Attended a UGC sponsored National Seminar on "Nanoscience and its Applications" 7-8 July 2014 at Jadam College, Chapra, Bihar.

10. Attained a workshop on "Bringing the Nanoworld Together" organised by Oxford Instrument at IIT.Delhi, India during 27 -28 Nov 2014.

11. Attended as a participant in the special orientation for the Foundation course in the Information Technology held on Aug19, 2013 at South Campus, University of Delhi.

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)
Awards and Distinctions
Memberships
Other Academic Activities
Cultural/Extracurricular Activities

Signature of Faculty Member