




Shivaji College Faculty Details Proforma

Title	Dr.	First Name	Gyanendra Krishna	Last Name	Pandey	Photograph
Designation	Assistant Professor (Ad hoc)					
Address	Department of Physics Shivaji College Raja Garden-110027					
Office Phone No.	011-25116644, 011-25155551					
Residence	CB-313, Naraina					
Mobile	9718379008					
Email	gyanendraitd@gmail.com					
Web-Page						
Educational Qualifications	Ph.D.					
Degree				University/Institute	Year	
Ph.D.				Indian Institute of Technology Delhi	2017	
M.Tech.(Optoelectronics and Optical Communication)				Indian Institute of technology Delhi	2012	
M.Sc, Physics				Patna University, Patna	2007	
B.Sc.(H) Physics				Jai Prakash University, Chapra	2004	
Any Other Qualification	CSIR UGC NET Dec.-2009. GATE-2010. JEST-2010.					
Career Profile						

1. Taught in Electronics Department since 26 feb. 2013 to 22 May 2015.
2. Teaching Physics Department in Shivaji College since 7 March 2016 to till date

Administrative Assignments

NA

Areas of Interest/Specialisation

Computational Nanoplasmonics, Raman Plasmonics, Optoelectronics

Subjects Taught

Mechanics
Electricity and magnetism
Wave and Optics
Modern Physics
Electromagnetic Theory

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

NA

Publications Profile (Research Papers/Books)

1. A Perspective on Plasmonics within and beyond the Electrostatic Approximation, NK Pathak, P sarthi, GK Pandey, RP Sharma, Plasmonics, DOI: [10.5772/intechopen.81038](https://doi.org/10.5772/intechopen.81038), Nov. 2018.
2. 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.
3. 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.

4. 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.
5. Broadband Scattering with Strong Electric Field Coupling Between Metal Nanostructures Using DDA Simulation: Role of Different Organic Environment " H. Pathak, A Ji, NK Pathak, GK. Pandey, Prof, RP. Sharma, 2016 "Journal of Photo voltaic cell, AIEEE, 6(4), 1-12.
6. 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. www.shivajicollege.ac.in Page 3
7. "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.
8. 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/Worksh

Conference/Seminar/Faculty Development Programme/Workshop

1. **2 week Faculty development programme** successfully completed which was organised by "Teaching Learning Centre Ramanujan College", University, sponsored by Ministry of Human resource development, Pandit Mdan Mohan Malaviya National Mossion on Teachers and Teaching, from may 18 to June 3, 2020.
2. **1 week Faculty development programme** successfully completed which was organised by Teaching Learning Centre Ramanujan College, University, sponsored by Ministry of Human resource development, Pandit Mdan Mohan Malaviya National Mossion on Teachers and Teaching, from june 23 to June 28, 2020.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

NA

Awards and Distinctions

NA

Memberships

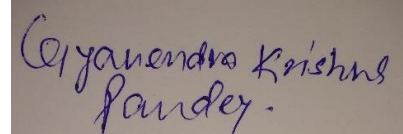
NA

Other Academic Activities

Cultural/Extracurricular Activities

- 1. Co-opted member in the “Student advisory council”, Shivaji College since 2017.**
- 2. Co-opted member in the “Equal opportunity cell”, Shivaji College since 2017.**
- 3. Member in various committee at department level.**

Signature of Faculty Member



Gyanendra Krishna
Pandey.