



**Faculty Profile**

<b>Title:</b>	Dr.	<b>Monika</b>	<b>Goyal</b>	
<b>Designation:</b>	Assistant Professor			
<b>Department:</b>	Physics			
<b>Address:</b>	PD-99 C, Pitam Pura, Delhi-34			
<b>Email:</b>	<a href="mailto:mgupta@shyamial.du.ac.in">mgupta@shyamial.du.ac.in</a>			
<b>Web-Page:</b>				

Educational Qualifications (from Bachelor's Degree):			
Degree	Subject	University/ College/Institution	Year
Ph.D Physics	Physics	University of Delhi	2008
M.Sc Physics	Physics	University of Delhi	2001
B.Sc Physics	Physics	Miranda House, DU	1999
UGC-CSIR NET JRF	Physical Sciences		Dec. 2000

Experience:						
	Name of the University/College/ Institute/Organisation	Designation & Status (Permanent/Ad-hoc)	From	To	Effective Time Period	
Teaching	Maharaja Agrasen College, Delhi University	Ad-hoc	Aug-01	Oct-03	2 years	
	Shyam Lal College, Delhi University	Ad.Hoc	Oct-03	Apr-08	4.5 Years	
	Shyam Lal College, Delhi University	Permanent	Jul-08	Till Date	12 + Years	
Research/ Corporate	Done Ph.D in Physics with 5 Publications in Reputed International Journals					
Consultancy						

Teaching - Learning Process (during the Academic Year 2018-2019)		
Are You using ICT (LMS, e-Resources)	If Yes Please gives the details below	
	Name	Total Numbers
Resources	e-content on Swayam Portal, ILLD (DU)	
Techniques	content sharing on email, whatsapp group, e-presentations on assignments given, Class lectures on I-PAD during lock down	

Career Advancement and Contribution to College Corporate Life ( last three years):				
		Designation	From	To
Convenor/Member of Committees	Member, Admission Committee, 2018-19			
	Convenor, Time Table Committee, Science, 2018-19			
	Convenor, Institution Innovation Council, 2020-21			
Any Other Administrative Responsibility (Bursar, Coordinator, Superintendent etc.)	Worked as Teacher Incharge, Department of Physics, 2018-19			
	Superintendent, Practical Examinations, Department of Physics, 2018-19			
	Coordinator, DBT, Department of Physics, 2020			

Areas of Interest/Specialisation:	
S.No.	Areas of Interest/ Specialisation
1	Atomic and Molecular Physics
2	Modern Physics and Quantum Mechanics

Subjects Taught (during the Academic Year 2018-2019)									
S.No.	Subject			S.No.	Subject				
1	Elements of Modern Physics								
2	Nuclear and Particle Physics								
Publications: Citation Index in Scopus/Web of Science or Pub Med/ Indian Citation Index									
Title of Paper	Name of the Author	Title of the Journal	Year of Publication	Citation Index	h-Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations	Impact factor, if any	
Electron collisions with the silicon monoxide (SiO) molecule using Rmatrix method	Hemal V, Monika Gupta et al	Journal of Physics B : Atomic,Molecular and Optical Physic	2009			University College London and University of Delhi		between 2 and 5	Before June 2017
Application of R-matrix method to electronH2S collisions in the low energy range	Monika Gupta and K L Baluja	European Physical Journal D	2007			University of Delhi		between 1 and 2	
ElectronF2O collision study using the R-matrix method	Monika Gupta and K L Baluja	Physical Review A	2006			University of Delhi		between 2 and 5	
Electron collisions with an ozone molecule using the R-matrix metho	Monika Gupta and K L Baluja	Journal of Physics B : Atomic,Molecular and Optical Physics	2005			University of Delhi		between 2 and 5	
Lowenergy elastic and inelastic scattering of electrons from SO2 using Rmatrix method	Monika Gupta and K L Baluja	Physical Review A	2006			University of Delhi		between 2 and 5	
									During 2017-2018
									18-19
Books and Chapters in edited Volumes/Books published, and paper in National /International conference Proceeding per teacher during the Year									
Title of Book/Paper/ Book Chapter			Publisher		National/International		Year		
									Before June 2017
									During 2017-2018
									18-19
Conference/ Seminar/ Symposium/ Workshop/ Presentation:									
Sr. No.	National/ International/state		Topic of the Conference/Seminar/ Workshop	Paper Presentation/Attend/ Resource Person		Date	Duration		
1	International winter school, SLC			Paper Presentaton		Mar-18	5 days		Before June 2017
2	8th Training Programme on Science and Technology for rural societies for women scientists, IIPA			Attended and Presented Paper		Nov-19	5 days		
3	National Conference on Advanced Materials, Hansraj College			Paper Presentation/Attend/ Resource Person		Sep-19	2 days		
4	National Under Graduate Physics Revision Classes, Department of Physics and Astrophysics, DU			Resource Person		Jun-19	1 day		

