





Faculty Profile

ESt.1964					-				
Title:	Dr.	Monika Goyal							
Designation:		Assistant Professor							
Department:		Physics PD-99 C, Pitam Pura, Delhi-34							
Address:									
Email: Web-Page:			10 mm 2 mm						
	ne (from Ra	cholor's Dogroo):							
	Educational Qualifications (from Bachelor's Degree): Degree Subject University/ College/Institution								
Degree		Subject Physics	OII	University of De			Year 2008		
Ph.D Physics M.Sc Physics		Physics	University of Delhi				2001		
B.Sc Physics		Physics	Miranda House, DU				1999		
UGC-CSIR NET JI	RF	Physical Sciences	manaa nouse, bo				Dec. 2000		
Experience:		r nysicar sciences					2000		
asperience.		Name of the University Institute/Organis		Designation & Status (Permanent/Ad- hoc)	From	То	Effective Time Period		
		Maharaja Agrasen College, E	Delhi University	Ad-hoc	Aug-01	Oct-03	2 years		
Teaching		Shyam Lal College, Delhi	Shyam Lal College, Delhi University		Oct-03	Apr-08	4.5 Years		
		Shyam Lal College, Delh	i 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 Prod	cess (auring	g the Academic Year 2018-2019)							
Are You using ICT (LMS, e-	-Resources)		If Yes P	lease gives the deta	ails below				
		Name					Total Numbers		
Resourses		e-content on Swayam Portal, ILLL (DU)							
Techniques		content sharing on email, whatsapp group, e-presentations on assignments given, Class lectures on I-PAD during lock down							
Career Advancement an	d Contribut	tion to College Corporate Life (last t	three years):						
					Designation	From	То		
		Member, Admission Committee, 2018-19							
Convenor/Member of Committees		Convenor, Time Table Committee, Science, 2018-19							
		Convenor, Institution l	Innovation Council, 2020	0-21					
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/Special	lisation:								
S.No.		Areas of Interest/ Specialisation							
1		Atomic and Molecular Physics							
2		Modern Physics and Quantum Mechanics							
		modern rhysics and Quantum Mechanics							

Subjects Taught (during the Academic Year 2018-2019)										
S.No.		Subject	S.No.	Subject						
1	El	ements of Modern Physics								
2	Nuclear and Particle Physics									
Publications: Citation In	dex in Scopu	ıs/Web of Science or Pub Med/ Inc	lian Ciation 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		
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	e 2017	
ElectronF20 collision study using the R-matrix method	Monika Gupta and K L Baluja	Physical Review A	2006			University of Delhi		between 2 and 5	Before June 2017	
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	
									201	
									18-19	
Books and Chapters in e	dited Volum	es/Books published, and paper in	National /Internationa	l conference Proc	eeding per tea	acher during th	ne Year			
Title o	of Book/Pape	r/ Book Chapter	Publisher		National/Ir	nternational	Year			
1100	. Boon, rape	1) Door onapter	1 ublisher		riacional, ri		rear) ie	,	
							Before June	20		
							uring I	0107		
							During 2017-2018			
							18-19			
Conference/ Seminar/ S	ymposium/	Workshop/ Presentation:								
Sr. No.	National/ International/state		Topic of the Conference/Seminar/ Workshop	Paper Presentation/Attend/ Reso		sourse Person	Date	Duration		
1	Inte	rnational winter school, SLC		Paper Presentaton			Mar-18	5 days		
2	8th Training Programme on Science and Technology for rural societies for women scientists, IIPA			Attended and Presented Paper		Nov-19	5 days	2017		
3	National (Conference on Advanced Materials, Hansraj College		Paper Presentation/Attend/ Resourse Person		Sep-19	2 days	Before June 2017		
4		Under Graduate Physics Revision es, Department of Physics and Astrophysics, DU		Resource Person			Jun-19	1 day	B	

									During 2017-2018	
									18-19	
Research Projects/ Innovation Projects (Major Grants/Research Collaboration):										
S.No.		Title of the Project	Funding Ag	Agency Status/Output						
Research Guidance (Ph. 1										
		No. of Ph.D. Students	No. of M.Phil. Students							
Awarded										
Submitted										
Under Progress										
Fellowships/Awards /Di	stinctions/I	Recognitions:								
Year of Award	Name of th	e Fellowship/Award/ Distinction/ Recognition	Desination	Name of the Academic Bodies /Association		International /National/ State				
Incentive to the teachers who receive recognition/awards										
State	National				International					
Association with the Pro	fessional Bo		ne Organisation			7	/ear			
Momborship						Teal				
Membership Any Other										
Development of E-Learning Delivery Process/Material:										
S.No		Title of the Module		Recognise	d by/Submitted at/ Delivered at any government setup					
1		Time Dependent Schrodinger Ec	nuation		LL VLE website: https://vle.du.ac.in/course/view.php?id=111					
2	Time Dependent Schrodinger Equation Time Independent Schrodinger Equation			Submitted at ILLL VLE website						
Refresher/ Orientation F	Programme,	/ FDP / Other Specialised Courses:								
S.No.	Topic		Name of the Organiser		Place	Duration and Year				
1	FDP on Advancements in Integrated Sciences: Learnind and Adaptation for effective teaching and Research		SLC,HRDC JMI,CSIR-IGIB		SLC	1 week 10-16 Dec, 2018				
2	Professional Development Programme for Senior Faculty		HRDC JMI		JMI	1 week 24-31th Dec 2018				
Declaration										
I do hereby solemnly declare that the information given and the statements made by me are correct and true to the best of my knowledge										
					Signa	ature with Full	l Name			