




SLC (University of Delhi) Shyam Lal College

NAAC A++



Faculty Profile

Title	Dr.	First Name	Seema	Last Name	Dabas	Photograph
Designation	Associate Professor					
Department	Physics					
Address	Department of Physics Shyam Lal College University of Delhi					
Email	sdabas@shyamlal.du.ac.in					
Web-Page						

Educational Qualification

Degree	Subject	University/ College/Institution	Year
B.Sc.	Physics	University of Delhi	1999
M.Sc.	Physics	University of Delhi	2001
Ph.D	Physics	University of Delhi	2013

Experience

	Name of the University/College/ Institute/Organisation	Designation & Status (Permanent/Ad-hoc)	From	To	Effective time period
Teaching	Shyam Lal College, University of Delhi	Associate Professor/ Permanent	March 2018	Till Date	
	Shyam Lal College, University of Delhi	Assistant Professor/ Permanent	July 2008	March 2018	
	Shyam Lal College University of Delhi	Assistant Professor/ Adhoc	Aug 2006	July 2008	
	Zakir Hussain College University of Delhi	Assistant Professor/ Adhoc	Aug 2005	July 2006	
	ANDC University of Delhi	Assistant Professor/ Adhoc	July 2003	April 2005	
Research/ Corporate					
Consultancy					

Teaching-Learning Process (Academic Year 2022-23 Onwards)

Are You using ICT (LMS, E-Resources)?	If yes, please give the details below:	
	Name	Total Numbers

E-Resources	Google Classroom, Google Meet, Zoom,Power Point Presentation	
Techniques and Platforms		

Career Advancement and Contribution to College Corporate Life (2022-23 Onwards)

	Name of the Committee/ Centre/ Society/ Cell	Designation	From	To
Convenor/Member of Committees	Debating Society	Convenor	2018	2021
	CHD (Centre for Holistic Development)	Convenor	2019	2024
	Sports Committee, International Yoga Day Committee, CSD	Member	2018	2021
	Workload Committee	Member	2017	2018
	Workload Committee	Member	2023	2024
Any Other Administrative Responsibility (Bursar, Coordinator, Superintendent etc.)	NSS	Member	2017	2019
	Teacher-in Charge	-	2016	2017
	Teacher-in-Charge	-	2023	2024
	As Superintendent of Practical Exams during 2017-18, 2018-19, 2019-2020 at particular dates			

Areas of Interest/Specialisation

S.No.	Areas of Interest/ Specialisation
1	Condensed Matter Physics

Subjects Taught

S.No.	Subject	S.No.	Subject
1.	Mechanics	4.	Waves and Optics
2.	Electricity and Magnetism	5.	
3.	Thermal Physics	6.	

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
1. On the thermal conductivity of single-walled carbon nanotube ropes, Soft Nanoscience	P. Silotia, Seema Dabas and A. Saxena and S.P.Tewari	Soft Nanoscience Letters 3, 7-10 (2013).	2013			University of Delhi		

Letters 3, 7-10 (2013).								
Acoustic phonon spectrum of un-aligned multi-walled carbon nanotubes and zero phonon Rayleigh Mössbauer scattering, Indian Journal of Physics 89(5), 417-423 (2015)	P. Silotia, Seema Dabas and A. Saxena and S.P.Tewari	Indian Journal of Physics 89(5), 417-423 (2015).	2015			University of Delhi		
Use of ZnO Nanoparticles in the degradation of Rhodamine B dye in waste water to save the environment	Seema Dabas(Co-Author)	International Journal on Emerging Technologies 2019	2019					

Title of Book/Paper/ Book Chapter	Publisher	National/International	Year

Conference/ Seminar/ Symposium/ Workshop/ Presentation						
Sr. No.	National/ International/state	Topic	Presentation/Attended /Resource Person	Date	Duration	
1.	National	National Workshop on 'Innovation Green Techniques for safe potable water in villages'	Attended	10-11 Jan 2013		Conferences
2.	International	Developing Countries and Sustainable Development: Reconnecting Past with Present	Attended	5-6 March 2018		
3.						

						Workshops

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

S.No.	Title of the Project	Funding Agency	Status/Output
1.	Innovation Project on 'Use of TiO2 Nanoparticles for degradation of dyes in waste water to save the environment'	DU	Completed 2015-16

Research Guidance (Ph. D./ M. Phil.)

	No. of Ph.D. Students	No. of M.Phil. Students
Awarded		
Submitted		
Under Progress		

Fellowships/Awards /Distinctions/Recognitions

Year of Award	Name of the Fellowship/Award/ Distinction/ Recognition	Designation	Name of the Academic Bodies /Association	International /National/ State

Incentive to the teachers who receive recognition/awards

State	National	International

Association with the Professional Bodies

	Name of the Organisation	Year
Membership	IAPT	
Any Other		

Development of E-Learning Delivery Process/Material

S.No.	Title of the Module	Recognized by/Submitted at/ Delivered at any government setup
1.	Centrifugal Force' and 'Non inertial frame of reference reference' for Discipline course in Physics Semester I under FYUP	ISSN:2349-154X
2.	'First Law of Thermodynamics' and 'Root Mean square speed and mean free path'	ISSN:2349-154X

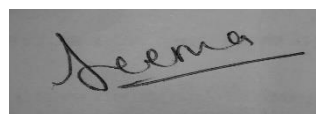
Refresher/ Orientation Programme/ FDP / Other Specialised Courses

S.No.	Topic	Name of the Organiser	Place	Duration and Year
1.	Refresher course in Physics and Electronics	CPDHE, ILL	D.U.	9th March 2010 to 30th
2.	Refresher course in Physics	JNU	JNU	16th Sep 2013 to

				11th Oct 2013
3.	Refresher course in Basic Science	JMI	JMI	12th May 2014 to 2nd June 2014
4.	Orientation Programme	JMI	JMI	16th April 2009 to 14th May 2009
5.	Short Term course - Ethics in Higher Education in training and Research	D.U.	D.U.	1st March 2017 to 7th March 2017
6.	Two week FDP on "Managing Online Classes and Co-creating MOOCS:2.0"	Teaching Learning Centre, Ramanujan College	D.U.	18May To 3 June 2020

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.



Dr. Seema Dabas

Signature with Full Name