SLC (University of Delhi)
Shyam Lal College

NAAC A++

Faculty Profile

Title	Dr.	First Name	Anita	Last Name		Photograph
Designation	Assistant Professor					
Department	Physics					
Address	H.No. 14/7, First Floor, Shakti Nagar, Delhi-110007.					
Email	aphysics@shyamlal.du.ac.in					
Web-Page	https://www.slc.du.ac.in/academics/departments/Physics/faculty-detiles/121					

Educational Qualification

Degree	Subject	University/ College/Institution	Year
B.Sc. (General)	Phy, Maths, Comp. Sc.	Maharshi Dayanand University, Rohtak	2003
M.Sc.	Physics	Maharshi Dayanand University, Rohtak	2007
Ph.D.	Physics	University of Delhi, Delhi	2016

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	Permanent	16-08-2023	Till date	
	Shyam Lal College, University of Delhi	Ad-hoc	16-09-2017	15-08-2023	5 yrs 11 months
	Institute of Home Economics (IHE), University of Delhi	Ad-hoc	03-08-2017	15-09-2017	1 month
	Bhagini Nivedita College, University of Delhi	Ad-hoc	20-07-2015	19-07-2016	1 year
Research/ Corporate	Nil				
Consultancy	Nil				

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	YouTube, NPTEL, SWAYAM	3
Techniques and Platforms	Microsoft Power point, Google Classroom, Google Meet, Zoom	4

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	Time table committee	Member	July22	Till date
	Fine Arts Committee	Member	July22	Till date
	University Chef	Member	July 2023	Till date
	Election Committee for Student's Union Election	Member	July 2023	Till date
Any Other Administrative Responsibility (Bursar, Coordinator, Superintendent etc.)	No			

Areas of Interest/Specialisation

S.No.	Areas of Interest/ Specialisation
1	Experimental Materials Science: Ferroelectric ceramics
2	Experimental Materials Science: Conducting polymers

Subjects Taught

S. No.	Subject	S.No.	Subject
1	Heat and Thermodynamics	5	Waves and Optics lab
2	Basic Instrumentation Skills	6	Electricity and Magnetism lab
3	Electricity and Magnetism	7	Linear and Digital Integrated Circuits lab
4	Solid State Physics	8	Mechanics lab

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
Highly sensitive and selective room temperature ammonia sensor based on polyaniline thin film: in situ dip-coating polymerization	Anita Khokhar	Journal of Materials Science: Materials in Electronics, 33, 2022, 14071	2022	Scopus		Shyam Lal College, University of Delhi	9	2.1
Structural characteristics and opto-electrical properties of in-situ synthesized polyaniline films	Anita Khokhar	Optical Materials, 131, 2022, 112712	2022	Scopus		Shyam Lal College, University of Delhi	7	3.7
Site selectivity of Sm^{3+} ions in BaBi4-xSmxTiaO15 ceramics and its	Anita Khokhar	Materials Letters, 160, 2015, 408-411	2015	Scopus		Department of Physics and Astrophysics, University of Delhi	3	3.5

influence on electrical properties								
Effect of excess of bismuth doping on dielectric and ferroelectric properties of $BaBi_4Ti_4O_{15}$ ceramics	Anita Khokhar	Ceramics International, 41, 2015, 4189-4198	2015	Scopus		Department of Physics and Astrophysics, University of Delhi	35	5.2
Influence of lanthanum distribution on dielectric and ferroelectric properties of $BaBi_{4-x}La_xTi_4O_{15}$ ceramics	Anita Khokhar	Materials Chemistry and Physics, 152, 2015, 13-25	2015	Scopus		Department of Physics and Astrophysics, University of Delhi	61	4.6
Sintering characteristics and electrical properties of $BaBi_4Ti_4O_{15}$ ferroelectric ceramics	Anita Khokhar	Journal of Alloys and Compounds, 2013, 581, 150-159	2013	Scopus		Department of Physics and Astrophysics, University of Delhi	64	6.2
Modification of Polycarbonate Surface by Ar^+ Ion Implantation for Various Opto-electronic Applications	Anita	Vacuum, 2012, 86, 1087-1091	2012	Scopus		Department of Physics and Astrophysics, University of Delhi	47	4.1

Books and Chapters in Edited Volumes/Books published, and papers in National /International conference Proceeding per teacher during the Year

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

Conference/ Seminar/ Symposium/ Workshop/ Presentation

Sr. No.	National/ International/state	Topic	Presentation/Attended /Resource Person	Date	Duration	
1	National: 60th DAE-Solid State Symposium-2015, AMITY University, NOIDA, U.P., India.	*"Study of the structure, dielectric and ferroelectric behavior of $BaBi_{4+\delta}Ti_4O_{15}$ ceramics"*, ***AIP Conf. Proc. 1731, 2016, 030026***	Presentation	Dec., 2015		*Conferences*
2	National: 59th DAE-Solid State Symposium-2014, VIT University, Vellore, Tamil Nadu, India	*"Study of the structure and ferroelectric behavior of $BaBi_{4-x}La_xTi_4O_{15}$ ceramics",* ***AIP Conf. Proc. 1665, 2015, 030035***	Presentation	Dec., 2014		

3	National: ***IRCTMD-2013,*** AMITY University, NOIDA, U.P.	*Structural and Dielectric Properties of* $BaBi_{4-x}La_xTi_4O_{15}$ *Ferroelectric Ceramics"* ***Conf. Proc. IRCTMD-2013***, AMITY University, NOIDA, U.P. pp. 63-67	Presentation	July, 2013		
4	International: International Union of Materials Research Societies-International Conference in Asia-2013 (IUMRS-ICA-2013), Indian Institute of Science, Banglore, India.	*Study of the Relaxor Behavior of* $BaBi_{4-x}La_xTi_4O_{15}$ *Ferroelectric Ceramics"* IUMRS-ICA-2013, December 16-20, 2013 at Indian Institute of Science, Banglore, India.	Presentation	Dec., 2013		
5	National: 3rd National Seminar on Recent Trends in Condensed Matter Physics including Laser Application (TNSCMPLA), from 5-7 March, 2013 at Univ. of Burdwan, West Bengal, India	*"Relaxor behavior in dielectric properties of Bismuth layered* $BaBi_4Ti_4O_{15}$ *ferroelectric ceramics",* 3rd national seminar on recent trends in condensed matter physics including laser application (TNSCMPLA), from 5-7 March, 2013 at Univ. of Burdwan, West Bengal.	Presentation	March ,2013		
	National: National Conference on Multifuntional Advanced Materials, 2-4 May 2013, Shoolini University, Solan, H.P., India	*"Ferroelectric and piezoelectric properties of bismuth layered* $BaBi_4Ti_4O_{15}$ *ferroelectric ceramics"*, National Conference on Multifuntional Advanced Materials, 2-4 May 2013, Shoolini University, Solan, H.P	Presentation	May,2013		
	National: University of Delhi, Delhi, India.	Workshop on Advanced Materials for Future Energy Requirements (WAMFER 2012) November 29- December 1, 2012, at University of Delhi, Delhi, India.	Attended	Nov., 2012		*Workshops*
	National: University of Delhi, Delhi, India.	Advanced Workshop on Broad band Dielectric Spectroscopy, January 17-18, 2014 at University of Delhi, Delhi, India.	Attended	Jan., 2014		

	National: Shyam Lal College, DU under DBT Star Colleges Scheme	**Workshop** on Emerging Trends in Science & Technology: Issues in these Unprecedented Times at Shyam Lal College, DU from 04-08-2020 to 08-08-2020 sponsored by Shyam Lal College, DU under DBT Star Colleges Scheme	Attended	Aug., 2020		

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

S.No.	Title of the Project	Funding Agency	Status/Output
	Nil		

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

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

Fellowships/Awards /Distinctions/Recognitions

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

Incentive to the teachers who receive recognition/awards

State	National	International
Nil	Nil	Nil

Association with the Professional Bodies

	Name of the Organisation	Year
Membership	Nil	
Any Other	Nil	

Development of E-Learning Delivery Process/Material

S.No.	Title of the Module	Recognized by/Submitted at/ Delivered at any government setup
	Nil	

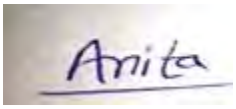
Refresher/ Orientation Programme/ FDP / Other Specialised Courses

S.No.	Topic	Name of the Organiser	Place	Duration and Year

1	**FDP** on "Advancement in Integrated Sciences: Learning & Adaptation for Effective Teaching and Research" at Shyam Lal College, DU from 10-12-2018 to 16-12-2018 sponsored by Shyam Lal College, DU; UGC-HRDC, Jamia Millia Isalamia and CSIR-Institute of Genomics & Integrative Biology.	Shyam Lal College, DU; UGC-HRDC, Jamia Millia Isalamia and CSIR-Institute of Genomics & Integrative Biology.	Shyam Lal College, University of Delhi.	One week: 10-12-2018 to 16-12-2018
2	Two-week online **Refresher Course in Physics** from 27-10-2021 to 10-11-2021 sponsored by Teaching-Learning Centre, Ramanujan College, University of Delhi.	Teaching-Learning Centre, Ramanujan College, University of Delhi.	Online	Two-weeks: 27-10-2021 to 10-11-2021
3	**National Workshop** on Emerging Trends in Science & Technology: Issues in these Unprecedented Times	Shyam Lal College, DU under DBT Star Colleges Scheme	Shyam Lal College, DU	One Week: 04-08-2020 to 08-08-2020
4	**Four-Week Faculty Induction/Orientation** Programme for " Faculty in Universities/Colleges/Institutes of Higher Education"	Teaching-Learning Centre, Ramanujan College, University of Delhi.	online	4-Weeks: 21st Aug- 19th Sept, 2023
5	**Two-weeks Interdisciplinary Refresher Course** in "Advanced Research Methodology"	Teaching-Learning Centre, Ramanujan College, University of Delhi.	Online	2-weeks: 22nd Sept – 06th Oct 2023
6	**One-week FDP** on "Recent Advances in Basic and Applied Sciences"	IQAC and Department of Physics and Chemistry, Shyam Lal College, University of Delhi.	Online	1-weeks: 11th Dec – 16th Dec 2023

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. Anita

Signature with Full Name