

SLC (University of Delhi) Shyam Lal College



NAACA++

Faculty Profile

Title Dr	Firs	rst Name Radhika Last Name Gupta Photogra											
Designation		Assistan	t Professor			1 1		•					
Department		Chemist	ry										
Address		Pradesh	201010			haziabad, Uttar							
Email			rguptachem@shyamlal.du.ac.in, radgupta123@gmail.com										
Web-Page		hl=en	attps://scholar.google.co.in/citations?user=5bwfC8cAAAAJ&all=en										
Educational (tion											
Degre	e		Subject			versity/ College/I		Year					
PhD	Chemistry Delhi, India							2022					
MSc	MSc Chemistry					ute of Technology	y, Delhi, Delhi,	2015					
BSc (H)			Chemistry	/	Hans Raj College, University of Delhi, Dell India								
Experience													
		Name of	the	Desig	gnation &			Effective					
	Uni	versity/C	ollege/	S	Status	From	То	time					
	Insti	tute/Orga	nisation	(Perman	ent/Ad-hoc)			period					
T1:	Shyam	nent of C Lal Colle sity of De	•	(Guest	04-Feb-2021	01-June-2023	2 Years 4 Months					
Teaching	Shyam	nent of C Lal Colle sity of De		Per	manent	02-June-2023	Present						
Research/													
Corporate													
Consultancy													
Teaching-Lea		ocess (Ac	ademic Yea	r 2022-23	3 Onwards)								
Are You usin ICT (LMS, E Resources)?	;-			If yes	s, please give	the details below:							
				Name	,		Total Num	bers					
E-Resources													
Techniques and Platforms	d												

Career A	Advanc	ement and	Contribution to			ate Life (2	022-23 Onwards		
			Name of the Cor Centre/ Society		/	Designa	ntion	From	To
Conveno	r/Meml	ber of	Website Committee	2		Memb	per 08-	July-2023	Present
Committ	ees	(Computer Commit	tee		Memb	per 08-	July-2023	Present
Any Oth									
Administ									
Responsi		Bursar,							
Coordina Superinte		ata)							
			4.						
	Interes	st/Speciali	sation	A	of Lutone	at/Cassis1	i ti		
S.No.	Graan	Chamister	Heterogeneous C			st/ Special		nligit Uydagaa	2 Ronding
1	Intera		, Heterogeneous C	aiaiysis	, manoca	uarysis, Ca	uarysis unough Ex	phen frydrogei	i Donaing
2			of Ionic Liquids, Io	nic Lia	uids as C	atalvsts			
			Nanomaterials and				valent Organic fra	meworks, Wate	r
3		diation				, - 0	<i>6</i>	,	
Subjects	Taugh	t							
S.No.			Subject			S.No.		Subject	
1	Atom	ic Structure	e and Chemical Bo	nding		5	Inorganic Mater	als of Industria	1
							Importance		
2			and p- block Eleme			6	Green Chemistry		
3			Chemical Kinetic			7	Polynuclear Hyd		
4 D-4:			stry and Spectrosco			8 D-1 M-1/	UV Vis and IR S		
Publicat	ions: C	itation inc	lex in Scopus/Wel	01 501	ence or 1	Pub Mea/	Indian Citation I	naex	<u> </u>
Title of	•	Name of the Author	Title of the Journal	Year of Pub.	Citati on Index	h-Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citations	Impact factor, if any (2024)
Synthesis iron-oxid palladium nanopart and its catalytic application for direct coupling acyl chlowith alky	le icles ons of orides vnes	R. K. Sharma, M. Yadav, R. Gaur, R. Gupta, A. Adholeya , M. B. Gawande	m	2016			University of Delhi	30	3.21
Deep eut solvents compatib Aspergill niger cell and its ut	ole lus lulase	R. Gupta, A. Sadaf, J. Grewal, S. K. Khare		2017			IIT Delhi	6	

C							
for in situ pre-							
treatment and							
saccharificatio							
n of wheat							
straw							
A	R. Gupta,						
straightforwar	M.						
d one-pot	Yadav, R.						
synthesis of	Gaur, G.						
bioactive N-	Arora, R.						
	K.						
aryl							
oxazolidin-2-	Sharma						
ones via a							
highly efficient		Green			University of		
Fe3O4@SiO2-		Chemistry	2017		Delhi	70	11.034
supported		Chemisuy			Dellii		
acetate-based							
butylimidazoli							
um ionic							
liquid							
nanocatalyst							
under metal-							
and solvent-							
free conditions	G 4						
A novel and	G. Arora,						
template-free	M.						
synthesis of	Yadav, R.						
multifunctiona	Gaur, R.						
1 double-	Gupta, R.						
shelled	K.	ChamiaturyCala			I Imirromaitre of		
Fe3O4-C	Sharma	ChemistrySele	2017		University of	17	2.307
nanoreactor as		ct			Delhi		
an ideal							
support for							
confined							
catalytic							
reactions							
	D. C						
Aerobic	R. Gaur,						
Oxidation of	M.						
Thiols to	Yadav, R.						
Disulfides by	Gupta, G.	ChemistrySele	2018		University of	23	2.307
Silver-Based	Arora, P.	ct	2010		Delhi	23	2.501
Magnetic	Rana, R.						
Catalyst	K.						
	Sharma						
Cross-	P. Rana,						
dehydrogenati	R. Gaur,						
ve C(sp3)-	R. Gupta,						
C(sp3)	G. Arora,	Chemical			University of		
	R. K.	Communicatio	2019		Delhi	39	6.222
coupling via		ns			Dellii		
C-H activation	Sharma						
using							
magnetically							

	I	T			1			
retrievable								
ruthenium-								
based								
photoredox								
nanocatalyst								
under aerobic								
conditions								
	R. K.							
Synthesis of								
magnetic	Sharma,							
nanoparticles	S. Yadav,							
using potato	R. Gupta,	Journal of				University of		
extract for dye	G. Arora	Chemical	2019			Delhi	43	3.0
degradation: a		Education				Denn		
green								
chemistry								
experiment								
Silica-coated	R. Gupta,							
magnetic	M.							
nanoparticles	Yadav, R.							
-	,							
supported	Gaur, G.							
DABCO-	Arora, P.					TT 1 2		
derived acidic	Rana, P.	ACS Omega	2019			University of	49	4.1
ionic liquid for	Yadav, A.	1100 omogu	2017			Delhi	.,	111
the efficient	Adholeya							
synthesis of	, R. K.							
bioactive 3,3-	Sharma							
di(indolyl)indo								
lin-2-ones								
Ni(II)-loaded	G. Arora,							
magnetically	M.							
separable								
-	Yadav, R.							
nanoreactor	Gaur, R.							
scaffold:	Gupta, P.							
fabrication and	Rana, P.							
potential	Yadav, R.	RSC Advances	2020			University of	10	3.9
catalytic	K.	ASC Advances	2020			Delhi	10	3.7
application in	Sharma							
confined								
synthesis of								
unsymmetrical								
diaryl sulfides								
in water								
Recent	R. K.							
Development	Sharma,							
of Covalent	-							
	P. Yadav,							
Organic	M.							
Frameworks	Yadav, R.	Materials				University of		
(COFs):	Gupta, P.	Horizons	2020			Delhi	309	14.356
Synthesis and	Rana, A.	1101120115				Delili		
Catalytic	Srivastav							
(Organic-	a, R.							
Electro-Photo)	Zboril, R.							
Applications	S. Varma,							
177710000		l	1	<u> </u>				

		T		1	T		
	M.						
	Antoniett						
	i, M. B.						
	Gawande						
Fabrication of	P. Yadav,						
copper-based	M.						
silica-coated	Yadav, R.						
magnetic	Gaur, R.						
nanocatalyst	Gupta, G.						
for efficient	Arora, P.				I Imirramaitry of		
one-pot	Rana, A.	ChemCatChem	2020		University of	22	5.497
synthesis of	Srivastav				Delhi		
chalcones via	a, R. K.						
A3 coupling of	Sharma						
aldehydes-							
alkynes-							
amines							
Endocrine	R. Gupta,		1				
Disruption and	P. Kumar,						
Obesity: A	N.						
current review	Fahmi,						
on	B. Garg,	Current					
Environmental	S. Dutta,	Research in					
Obesogens	S. Dutta,	Green and	2020		University of	60	5.66
Obesugens	Sachar,	Sustainable	2020		Delhi	00	5.00
	A. S.	Chemistry					
		Chemisuy					
	Matharu, K. S.						
	Vimales						
Magazia - 11	Waran						
Magnetically	R. Gupta,						
supported	M.						
ionic liquids: a	Yadav, R.	36			TT 1 2		
sustainable	Gaur, G.	Materials	2020		University of	41	14.356
catalytic route	Arora, P.	Horizons			Delhi		
for organic	Yadav, R.						
transformation	K.						
S	Sharma						
Magnetically	R. Gupta,						
retrievable	G. Arora,						
copper ionic	P. Yadav,						
liquid	R. Dixit,						
nanocatalyst	A.	Dalton	2021		University of	11	4.0
for	Srivastav	Transactions	2021		Delhi	11	7.0
cyclooxidative	a, R. K.						
synthesis of 2-	Sharma						
phenylquinazo							
lin-4(3H)-ones							
Ultrasonically-	G. Arora,	Current					
mediated one-	R. Gupta,	Research in	2021		University of	1.2	F ((
pot synthesis	P. Yadav,	Green and	2021		Delhi	13	5.66
of substituted	R. Dixit,	Sustainable					
				1	l .		

imidazoles via sulfamic acid functionalized hollow magnetically retrievable solid-acid catalyst	A. Srivastav a, R. K. Sharma	Chemistry				
Fabrication, functionalizati on and advanced applications of magnetic hollow materials in confined catalysis and environmental remediation	G. Arora, M. Yadav, R. Gaur, R. Gupta, P. Yadav, R. Dixit, R. K. Sharma	Nanoscale	2021	University of Delhi	18	6.7
An Efficient and Sustainable Approach to Decarboxylati ve Cross-Coupling Using Silica Coated Magnetic Copper Nanocatalyst for the Synthesis of Internal Alkynes	M. Yadav, A. Srivastav a, R. Gaur, R. Gupta, G. Arora, R. K. Sharma	Frontiers in Chemistry	2022	University of Delhi	2	5.5
Chemistry of magnetic covalent organic frameworks (MagCOFs): from synthesis to separation applications	P. Yadav, M. Yadav, R. Gaur, R. Gupta, G. Arora, A. Srivastav a, A. Goswami , M. B. Gawande , R. K. Sharma	Materials Advances	2022	University of Delhi	10	5.0
Synthesis of phenol esters by direct C-H activation of	P. Yadav, R. Gupta, G. Arora, A.	New Journal of Chemistry	2022	University of Delhi	2	3.591

aldehydes using a highly efficient and reusable copper- immobilized polyimide covalent organic framework (Cu@PI-COF)	Srivastav a, R. K. Sharma							
One-pot Synthesis of Propargylamin es using Aldehydes- Amines- Acetylene via an Efficient Nickel-Based Silica-Coated Magnetic Nanocatalyst	P. Yadav, R. Gupta, G. Arora, A. Srivastav a, R. K. Sharma	ChemistrySele ct	2022			University of Delhi	f	2.307
Sunlight- driven N- acetylation of anilines: a green chemistry approach	A. Gupta, I. T. Sidhwani , R. Gupta, Y. Monga, R. K. Sharma	New Journal of Chemistry	2023			SLC, Universi of Delhi	ity	3.591
Heterogeneous Catalysis under Continuous Flow Conditions	A. Gupta, R. Gupta, G. Arora, P. Yadav, R. K. Sharma	Current Organic Chemistry	2023			SLC, Universi of Delhi	ity	1.933
4-Amino-3- hydrazino-5- mercapto- 1,2,4,-triazole (PURPALD) in organic chemicals analysis: Distinguishing aldehydes and ketones	B. M. Kandpal, R. Tyagi, S. Tehlan, S. Singh, R. Gupta, Y. Monga, A. Gupta	Journal of Integrated Science and Technology	2023			SLC, Universi of Delhi	-	2.533
	_	ited Volumes/Boo	ks pub	lished, a	nd papers	s in National /In	ternational conf	erence
Proceeding per						I		
Title of Book Cha	/Paper/ Boo pter	Pı Pı	ıblisher		Nationa	l/International	Year	

~	ality and Sustainability Challenges &	Elsevier Publications	International		2017
Opportun					
Other Pot	ential Catalytic	World Scientific	International		2019
Applicati	ons & Future	Publications			
Perspectiv	ves in: Silica-Based				
Organic-I	norganic Hybrid				
Nanomate					
Catalytic	Applications of Silica	World Scientific	International		2019
based Org	ganic-Inorganic Hybrid	Publications			
nanomate	rials for different				
organic tr	ansformations in:				
Silica-Ba	sed Organic-Inorganic				
Hybrid N	anomaterials				
	apsulated magnetic	World Scientific	International		2019
nanoparti	cles in: Silica-Based	Publications			
Organic-I	norganic Hybrid				
Nanomate					
	d Sustainable Pathways	Elsevier Publications	International		2019
	water Purification in				
"Advance	es in Water Purification				
Technique	es: Meeting the Needs				
	pped and Developing				
Countries					
	tatus of Heavy Metal	American Chemical	International		2020
	ants and their	Society			
	Recovery Techniques				
	nt status of				
	ental research on water				
contamin					
	ve Reaction Media in	Jenny Stanford Publishing	International		2020
	nemistry for beginners"				0000
_	A Promising Green	Jenny Stanford Publishing	International		2020
	gy in "Green chemistry				
for begins		2			2022
	evelopment, and	De Gruyter	International		2022
	on of organic—inorganic				
	nocatalysts for organic				
	in aqueous medium in				
_	s Mediated				
	neous Catalysis"	D. C. d	T , , , 1		2022
	d ionic liquids for	De Gruyter	International		2023
	catalytic applications				
	Conventional Solvents"	m/Woulseham/Downsets*	•		
Conteren		m/ Workshop/ Presentation	n Presentation/Attende		
Sr. No.	National/	Topic	d d	Date	Duration
S1. NO.	International/state	Торіс	/Resource Person	Date	Duration
	National	RSC Workshop		Dec,	
1.	inational	Chemistry for	Best Poster	2015	
1.		Tomorrow's World	Presentation Award	2013	
2.	National	RSC Workshop on	Poster Presentation	Oct,	
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		Green Chemistry and Water Treatment		2016	
3.	International	Green Chemistry: Teaching and Technology	Oral Presentation	Oct, 2016	
4.	National	RSC Workshop on Recent Advances in Chemistry and Biology	Best Oral Presentation Award	Dec, 2016	
5.	National	Environmental Sustainability in Wastewater Remediation: Current Status and Future Prospects	Poster Presentation	Jan, 2017	
6.	International	Indo-UK Scoping Workshop on Development of Rural Biorefineries in India: From Waste to Wealth	Oral Presentation	Feb, 2017	
7.	International	Advancing Green Chemistry: Building a Sustainable Tomorrow	Poster Presentation	Oct, 2017	
8.	International	Effects of Pollution on Human Health	Participation	Dec, 2017	
9.	International	Emerging Trends in Drugs Development and Natural-Products	Participation	Jan, 2018	
10.	National	American Chemical Society on Campus	Participation	Feb, 2018	
11.	International	Sustainable Initiatives in Water Management	Best Oral Presentation Award	Mar, 2018	
12.	National	Green Chemistry Workshop	Oral Presentation	Aug, 2018	
13.	National	Chemistry for Human Health and Environment	Best Oral Presentation Award	Dec, 2018	
14.	International	6th World Congress on Nanomedical Sciences Chemistry Biology Interface: Synergistic in New Frontiers & Science & Technology for the Future of Mankind	Poster Presentation	Jan, 2019	
15.	National	Green Chemistry for Clean Environment	Oral Presentation	July, 2019	
16.	National	Recent Trends in Chemical Sciences	Organizing Committee Member	Sep, 2019	
17.	National	Green Chemistry: Designing Chemistry for Human Health and	Oral Presentation	Oct, 2019	

		Environment			
18.	International	INDO-UK Workshop on Green Chemistry for Societal Needs: Healthcare, Pollution and Circular Economies	Oral Presentation	Dec, 2019	
19.	International	ACS Workshop on Greening our Education System: Initiatives for Propagating and Preaching Beyond Benign Concepts in Classrooms and Laboratories	Organizing Committee Member	Dec, 2019	
20.	National	Hands on Scientific Software Training Programme at SLC	Resource Person	Feb, 2021	
21.	National	Hands on Capacity Building Training Workshop for Non- Teaching Staff at SLC	Resource Person	Mar, 2021	
22.	National	Essay Writing Competition organized at Rasaynika 2021 at SLC	Event Coordinator	April, 2021	
23.	International	Sustainable Circular Economy: A Solution to Global Issues at SLC	Teacher Coordinator	July, 2021	
24.	National	SLC Eminent Lecture Series 2021-2022	Teacher Coordinator	Sep, 2021	
25.	National	Inter College 2021 Short Term Certificate Course on "Preparation & Application of Magnetic Nanoparticles and Hands-on Software Training"at SLC	Teacher Coordinator	Sep, 2021	
26.	National	Outreach Programme on "Virtual Workshop on Laboratory Set-Up" at SLC	Teacher Coordinator	Dec, 2021	
27.	National	Water Quality Assessment of Indian Rivers at SLC	Teacher Coordinator	Feb, 2022	
28.	International	Bharatiya Business Practices: A Roadmap to Future Sustainability	Oral Presentation	April, 2023	

29.		NTa4: a.a.a1			indards Day	Teacher Coor	dinator	Oct,		
	=	<u>National</u>			ion of The	Event Coord	linator	2023		
30.				•	Club Chem ty and The			Nov,		
		National		Excited S	•			2023		
31.							ted	Manala		
	In	ternation	al		m nosted by ouncil India			March , 2024		
		s/ Innov				search Collabo				_
S.	No.		Title	e of the Pro	ject	Funding A	Agency		Status/C	Output
Research	h Guidan	ce (Ph.]	D./ M. P	hil.)						
					No. of Ph.D	. Students		No.	of M.Phil.	Students
Awarded	l									
Submitte										
Under Pr										
Fellowsh	nips/Awai	rds /Dist		Recognition 641	ons		NI	C 41	<u> </u>	
Yea	Year of Award Name of the Fellowship/Available Distinction		ship/Award	Designation		Aca Be	Name of the Academic Bodies Association		International /National/ State	
2	016-2020			Research				R-UGC	N	ational
	2015		GATE	<u>-</u>	Qua	alified	G	ATE	N	ational
	2013		IIT JAN			ık 117		IIT		ational
	010-2015			Fellowship			DS	T, GoI	N:	ational
Incentiv	e to the to Stat		wno rece	erve recogn	nition/awards Natio	nal			Internatio	nal
					2 73332					
Associat	ion with	the Prof	essional	Bodies						
M 1	.1. '			A	Name of the C		: C		Year	
Members				Chemistry	ý	iety, Royal Soc	iety of			
Any Oth		Logaria	ng Dali-		emistry Netwo	rk Centre				
Develop	ment of E	z-Learni	ng Denv	ery Proces	ss/Material			Recogni	zed by/Sub	mitted at/
S.N	No.		Title of the M					_	d at any go setup	
Refresh	er/ Orient	tation P	rogramn	ne/ FDP/	Other Specialis	sed Courses				
S.No.		То	pic		Name of th	e Organiser		Place	Dui	ration and Year
1]	Teaching Learning Centre, Ramanujan College, University of Delhi			Dalls:		ek, 22 June
2	Program		nced Res		University of Delhi Teaching Learning Centre,			Delhi Delhi		July, 2023 ek, 22 Aug -
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	Methodology	Ramanujan College,		05 Sep, 2023
		University of Delhi		
		SLC University of Delhi and		
2	Attended One Week FDP on	Mahatma Hansraj Faculty		
3	Recent Advances in Basic and	Development Centre, Hansraj		1 week, 11 Dec -
	Applied Sciences	College	Delhi	16 Dec, 2023
	Resource Person in One Week	SLC University of Delhi and		
1	Interdisciplinary FDP on	Mahatma Hansraj Faculty		
4	Integrating Sustainability in	Development Centre, Hansraj		
	Higher Education	College	Delhi	11-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 Radhika Gupta)

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Signature with Full Name