



University of Delhi

Faculty Detail Performa

Name	Dr. Ritu Gupta	
Designation	ASSISTANT PROFESSOR	
Department	Department of Chemistry Daulat Ram College, University of Delhi Residence Address: B-2/21 First Floor VasantVihar new Delhi	
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	yajat16@gmail.com	

Educational Qualification

Degree	Institution	Year
Ph.D.	University of Delhi	2001
M.Sc Chemistry	Hindu College, University of Delhi	1996-97
B.Sc Chemistry	Hindu College, University of Delhi	1994-95

Full Time Research Experience

Designation	Institute	Time period	Nature of Appointment
1. Supervised a group of ten undergraduate students	Delhi university (innovation project DR-305)	2015-16	Temporary
2. Supervised a group of ten undergraduate students	innovation project DR-303)	2015-16	Temporary

Full time Teaching Experience

S.No	Designation	Institution	Time Period	Nature of Appointment
2	Assistant professor	Department of Chemistry, University of Delhi	August 2002 to April 2004	Ad -hoc
3	Assistant professor	Hans Raj college Delhi university	August 2004 to August 2005	Ad -hoc

4	Assistant professor	Daulat Ram College, University of Delhi	July, 2005 to till date	permanent
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Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience
Daulat Ram College	Deputy Superintendent for Chemistry Practical	done	2010-2011.	1 year
Daulat Ram College	Teacher In charge of Chemistry Deptt	done	2012-13.	1 year
Daulat Ram College	Junior teacher representative member of Governing Body	done	2011-12	1 year
Daulat Ram College	Co-Ordinator of Foundation Course / Applied Course (FYUP)	done	Dec 2013	1 semester
Daulat Ram College	Co.ordinator for environmental science course	done	May 2019 & December 2019	1 year
Daulat Ram College	Teacher In charge of Chemistry Deptt	done	2019-20	1 year
Daulat Ram College	Teacher In charge of Chemistry Deptt	done	2020-21	1 year
Daulat Ram College	Member of NPS committee	doing	2016-till date	
Daulat Ram College	Deputy Superintendent for Theory Exam	done	2021-22	1 year

Areas of Interest in Teaching:

Physical Chemistry

Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1	BSc(Hons)Chemistry	Physical chemistry	III,IV	2017-18
2	BSc(Hons)Chemistry	Physical chemistry	III,IV	2018-19
3	BSc(Hons)Chemistry	Physical chemistry	III,IV	2019-20
4	BSc(Hons)Chemistry	Physical chemistry	III,IV	2020-21
5	BSc(Hons)Chemistry	Physical chemistry	I,III,IV	2021-22
6	BSc(Hons)Chemistry	Physical chemistry	III	2022-23

Publications:

Books

S.No	Book Details (Authors, Book title, Year)	Publisher	Date of publishing (DDMMYY)	Authored/Edited	ISBN No
1	Instrumental analysis for undergraduates, Ritu Garg	shree kala prakashan	2007	Author	81-86038-17-5
2	Introduction to basic laboratory techniques. Ritu Garg & Meenam Bhatia	shree kala prakashan	2009	Author	81-86038-09-4
3	Science and Life Dr. Ritu Gupta & Dr. Darshan Singh	Shivalik publication	2013	Author	978-93-83838-76-9
4	Elements of environmental studies Ritu Gupta Darshan Singh, Geetanjali, Mamta bai	Jeevan sons publication	2018	Author	938637620-2

Research Publications:

International

S.No	Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publication	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1	Antibacterial properties of silver nanoparticles synthesized from Litchi Chinensis fruit peel extract , Darshan Singh and Ritugupta , <i>International journal of biotechnology and biomedical science (JBBS)</i> , volume 1, pp 6-8	January-june 2016,		NO	NO	eISSN: 2454-7808, pISSN: 2454-4582
2	Fluoride ion in ground water of Delhi: a review on the status and solution to the problem , Ritugupta ,Darshan Singh, Saritasingh, <i>Journal of Basic and Applied Engineering Research (JBAER)</i> ,vol.3 (issue 1) p.p. 48-50	Jan 2016		NO	NO	eISSN: 2350-0255 pISSN: 2350-0077
3	An economical and ecofriendly regioselective bromination of acetanilides using potassium bromide and ceric ammonium nitrate in polyethylene glycol Ritu Gupta ; Lata Heterocyclic Letters (2012), 2(3), 297-300.					Issn/eissn : 2231-3087 / 2230-9632
4	Theoretical studies on the mechanism of radioprotection by Hoechst 33258 derivatives Kakkar, Rita; Garg, Ritu ; Suruchi; <i>Journal of Molecular Structure: THEOCHEM</i> (2004), 668(2-3), 243-248	2004	2.011	Yes	Yes	ISSN: 0166-1280
5	Theoretical study of the effect of radiation on thymine Kakkar, Rita; Garg, Ritu , <i>Journal of Molecular Structure: THEOCHEM</i> (2003),	2003	2.011	Yes	Yes	ISSN: 0166-1280

6	C3H4: density functional (DFT) study of structures and stabilities of isomers Kakkar, Rita; Garg, Ritu ; Chadha, Preeti <i>Journal of Molecular Structure: THEOCHEM</i> (2002), 617, 141-147	2002	2.011	Yes	Yes	ISSN: 0166-1280
7	Structures of some Hoechst analogues in gas phase and in aqueous solution Kakkar, Rita; Garg, Ritu , <i>Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry</i> (2002), 41B(9), 1929- 1936	2002	0.388	Yes	Yes	ISSN: 0975-0983
8	Towards understanding the molecular recognition process in Hoechst-DNA complexes Kakkar, Rita ; Garg, Ritu ; Suruchi, <i>Journal of Molecular Structure: THEOCHEM</i> (2002), 584, 37-44.	2002	0.388	Yes	Yes	ISSN: 0166-1280
9	Theoretical study of tautomeric structures and fluorescence spectra of Hoechst 33258 Kakkar, Rita; Garg, Ritu ; Suruchi, <i>Journal of Molecular Structure: THEOCHEM</i> (2002), 579, 109-113	2002	2.011	Yes	Yes	ISSN: 0166-1280

National

S.No	Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)	Date of Publication	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1	C3H4: Kinetics of interconversion of isomers By Kakkar,	2003	0.388	Yes	Yes	ISSN: 0975-0983

	Rita; Padhi, Bhabani S.; Garg, Ritu , <i>Indian Journal of Chemistry</i> , Section B: Organic Chemistry Including Medicinal Chemistry (2003), 42B(5), 1123-1131.					
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Conference Attended and Paper presentation

S.No	Type of Event	Name of Event	Venue of conference	Date of conference(Start date – End Date)	Attended	paper presented	No of papers presented
1	Symposium	IUPAC Symposium	Miranda House,DU	12 th Feb 2020	Yes	No	Nil
2	workshop	Workshop	Inter university Accelerator center (IUAC) new Delhi	21 st -22 nd Jan2020	Yes	No	Nil
3	Workshop for science teachers	RBPT workshop for science teachers	Daulat Ram College	25 th -27 th March 2019	Yes	No	Nil
4	Conference	Seminar	Ramjas College ,DU	13 th -14 th Feb 2019	yes	No	Nil
5	FDP	FDP e-learning ,pedagogy and ICT tools in higher education	Guru Angad Dev Teaching Learning Center of MHRD,SGT B Khalsa College,DU	26 th Nov-7 th Dec	Yes	No	Nil
6	Conference	Conference	Hansraj College,DU	2 nd July 2018	Yes	Yes(Poster presentation)	One
7	Conference	Conference	Daulat Ram College	20 th March 2018	Yes	Yes	One
8	webinar	webinar	Miranda House ,DU	24-25 th September 2020	Yes	No	Nil
9	webinar	E faculty development program	Daulat Ram College	20 -23 rd July 2020	yes	No	Nil

10	Webinar	Ayurgenomics	Daulat Ram College	22 October 2021	yes	No	Nil
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Resource Person (Conference/seminar/ workshop/training programme/ educational trips)

S.No	Type of Event	Name of Event	Venue	Date of Event (Start Date-End Date)	State your role: Convener/Member organizing committee/ Speaker/ Coordinator	Duration of Activity	No of participant in the programme
1	SDP	Inhouse SDP	Daulat Ram College	24 th Dec 2018	Speaker	One day	20
2	SDP	Inhouse SDP	Daulat Ram College	17-19 th December 2020	Organizer	Three day	30
3	SDP	Inhouse SDP	Daulat Ram College	17-19 th August 2020	Organizer	Three day	60
4	Online master class on “python as an important tool for data analysis”	workshop	Daulat Ram College	1 st -10 th November 2021	organizer	Ten days	20