




**Faculty Profile**

<b>Title:</b>	<b>YUKTI</b>	<b>MONGA</b>	
<b>Designation:</b>	Assistant Professor		
<b>Department:</b>	chemistry		
<b>Address:</b>	D 304 Nirman vihar vikas marg Delhi 110092		
<b>Email:</b>	<a href="mailto:yuktichem@shyamlal.du.ac.in">yuktichem@shyamlal.du.ac.in</a>		
<b>Web-Page:</b>			

Educational Qualifications (from Bachelor's Degree):			
Degree	Subject	University/ College/Institution	Year
B.A.Sc	Instrumentation	University Of Delhi	2004-2007
M.Sc	chemistry	Jiwaji University	2007-09
PhD	chemistry	University Of Delhi	2011-16

Experience:					
	Name of the University/College/ Institute/Organisation	Designation & Status (Permanent/Ad-hoc)	From	To	Effective Time Period
Teaching	Shyamlal college	Guest faculty	6/2/2021	1/6/2023	2 years 5 month
	shyamlal college	permanent	2/6/2023		
Research/ Corporate					
Consultancy					

Teaching - Learning Process (During the Academic Year 2019-2020)		
Are You using ICT (LMS, E-Resources)?	If Yes, Please give the details below:	
	Name	Total Numbers
E- Resources		
Techniques and Platforms		

Career Advancement and Contribution to College Corporate Life ( Last three years till June 2020):				
	Name of the Committee/ Centre/ Society/ Cell	Designation	From	To
Convenor/Member of Committees				
Any Other Administrative Responsibility (Bursar, Coordinator, Superintendent etc.)				

Areas of Interest/Specialisation:	
S.No.	Areas of Interest/ Specialisation
1	Analytical chemistry
2	green chemistry
3	nano catalysis and sustainable organic transformations

**Subjects Taught (During the Academic Year 2019-2020)**

S.No.	Subject	S.No.	Subject
1	instrumental methods for chemical analysis	4	periodic properties and chemical bonding
2	Inorganic material of industrial importance	5	quantum chemistry and spectroscopy
3	SEC: basic analytical chemistry		

**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	
2-Oxindole and related heterocycles: synthetic methodologies for their natural products and related derivatives	Yukti Monga, P. kumar, R. K. Sharma, R.S. Varma, M. B. Gawan de,	RSC Advances	2023	0		shyamlal college		4.036	Before June 2023
Brewing Nano chemistry with green tea: a review with sustainable approaches	A. Gupta, Yukti Monga, P. Rana, S. Mittal, V. Kumar and R.K. Sharma	Asian Journal of Chemistry	2022	6		shyamlal college		0.14	
Sustainable Synthesis of Nanoscale Zerovalent Iron Particles for Environmental Remediation.	Yukti Monga, P. kumar, R. K. Sharma, R.S. Varma, Manoj B. Gawan de,	<i>Chemsuschem</i>	2020	40		DU		9.14	

Silica-Based Magnetic Manganese Nanocatalyst – Applications in the Oxidation of Organic Halides and Alcohols	R.K. Sharma , Manavi Yadav, <b>Yukti Monga</b> , Rashmi Gaur	ACS sustainable chemistry and engineering	2016	58		DU		9.244
Magnetically retrievable silica-based nickel nanocatalyst for Suzuki–Miyaura cross-coupling reaction	R. K. Sharma , Manavi Yadav, Rashmi Gaur, <b>Yukti Monga</b> and Alok Adholeya	Catalysis Science Technology	2015	46		Du		6.77
Silica-decorated Magnetic Nanocomposites for Catalytic Applications	Manoj B. Gawan de,	Coordination Chemistry Review	2015	293		DU		24.833
Acetoacetanilide-functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles for selective and cyclic removal of Pb <sup>2+</sup> ions from different charged wastewaters	R. K. Sharma , Aditi Puri, <b>Yukti Monga</b> , Alok Adholeya	Journal of Material Chemistry A	2014	70		DU		14.511
Diacetylmonoxime Functionalized Silica Gel: An Efficient and Recyclable Organic Inorganic Hybrid Material for Selective Removal of Copper from Fly Ash Ameliorated Soil Samples	R. K. Sharma , Aditi Puri, Anil Kumar, <b>Yukti Monga</b> , Garima Gaba	Separation Science and Technology	2014	11		DU		2.799
Newly modified silica-based magnetically driven nanoadsorbent: A sustainable and versatile platform for efficient and selective recovery of cadmium from water and fly-ash ameliorated soil	R.K. Sharma , Aditi Puri, <b>Yukti Monga</b> , Alok Adholeya	Separation and Purification Technology	2014	20		DU		9.136

July 2014 - June 2020

Magnetically separable silica@Fe <sub>3</sub> O <sub>4</sub> core-shell supported nano-structured copper(II) composites as a versatile catalyst for the reduction of nitroarenes in aqueous medium at room temperature	R. K. Sharma, <b>Yukti Monga</b> , Aditi Puri	J. of Molecular Catalysis A: Chemical	2014	92		DU	5.08	July 2012-June 2014
Magnetite (Fe <sub>3</sub> O <sub>4</sub> ) silica based organic-inorganic hybrid copper(II) nanocatalyst: a platform for aerobic	R. K. Sharma, <b>Yukti Monga</b> , Aditi Puri, Garima Gaba,	green chemistry	2013	88		DU	11.03	
Zirconium(IV)-modified silica@magnetic nanocomposites: Fabrication, characterization and application as efficient, selective and reusable nanocatalysts for Friedel-Crafts, Knoevenagel and Pechmann condensation reactions	R.K. Sharma, <b>Yukti Monga</b> , <b>A. Puri</b>	Catalysis Communications	2013	56		DU	3.51	
Silica encapsulated magnetic nanoparticles-supported Zn(II) nanocatalyst: A versatile integration of excellent reactivity and selectivity for the synthesis of azoxyarenes, combined with facile catalyst recovery and recyclability	R.K. Sharma, <b>Yukti Monga</b>	Applied Catalysis A: General	2013	31		DU	5.723	

**Books and Chapters in edited Volumes/Books published, and paper in National /International conference Proceeding per teacher during the Year**

Title of Book/Paper/ Book Chapter	Publisher	National/International	Year	
supported ionic liquids for advanced catalytic application	De gruter	international	2023	
Design development and application of organic-inorganic hybrid nanocatalysts for organic reactions in aqueous medium	De gruter	international	2022	
Chapter 5: Characterization of metal immobilized silica nanoparticles and silica coated magnetic nanoparticles.	world Scientific Publishing Europe Ltd,	international	2019	

<b>Chapter 4:</b> Different approaches for surface modification,	world Scientific Publishing Europe Ltd,	international	2019
Chapter 3: Silica encapsulated Magnetic nanoparticles	World Scientific Publishing Europe Ltd,	international	2019

**Conference/ Seminar/ Symposium/ Workshop/ Presentation:**

Sr. No.	National/ International/state	Topic of the Conference/Seminar/Workshop	Paper Presentation/Attend/ Resource Person	Date	Duration	
1	national	virtual workshop on lab set up	teacher coordinator	21-Dec		Before June 2023
2	national	short term certificate course on preparation and Application of magnetic nanoparticles and hands on software training	teacher coordinator	21-Sep		
3	national	online visit to the Analytical lab at Rasayanika 21	Event Coordinator	21-Apr		
4	national	Hands on scientific software training programme	resource person	21-Feb		
5	national	hands on capacity building training workshop	resource person	Mar, 21		July 2011 -June 2017
6	international	Chemistry for tomorrow's world	poster presented	Dec, 2-3, 2015		
7	international	Green initiatives in energy, environment and health	poster presented	Dec, 2-3, 2013		
8	international	Chemistry for sustainable future	poster presented	Dec, 10-12, 2012		
9	international	Green Chemistry: An approach to meet the challenges of sustainability	poster presented (awarded 1st prize)	Dec 22-23, 2011		

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

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

**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	Desination	Name of the Academic Bodies /Association	International /National/ State
2011	Inspire fellowship		DST, Govt. of India	national

**Incentive to the teachers who receive recognition/awards**

State	National	International

Association with the Professional Bodies:				
	Name of the Organisation		Year	
Membership	Green chemistry network centre		2011-till date	
Any Other				
Development of E-Learning Delivery Process/Material:				
S.No	Title of the Module		Recognised by/Submitted at/ Delivered at any government setup	
Refresher/ Orientation Programme/ FDP / Other Specialised Courses:				
S.No.	Topic	Name of the Organiser	Place	Duration and Year
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				
			<b>yukti monga</b>	