



DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019
Faculty Details Proforma for College Website

Title	Dr.	First Name	Robin	Last Name	Kumar	Photograph
Designation	Assistant Professor					
Address	H. No. 155 B, Sultanpur Colony MG Road New Delhi-110030					
Phone No. Office						
Residence	+91-9911201444					
Mobile	+91-7428820066					
Email	robin.omchem@gmail.com					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	Department of Chemistry, University of Delhi				2017	
M.Phil.	NA					
PG	Hansraj College, University of Delhi				2009	
UG	ARSD College, University of Delhi				2007	
Any other qualification						
Career Profile						
Presently working as Assistant Professor on adhoc from Jan 2018. Done Ph.D. in Organometallic Chemistry under the supervision of Professor N. Thirupathi.						
Administrative Assignments						
NA						
Areas of Interest/Specialization						
Inorganic Chemistry, Coordination Chemistry, Organometallic chemistry and Industrial Chemistry						
Subjects Taught						
Following subjects have been taught to undergraduate students of B.Sc. (P)						
Inorganic Chemistry	Industrial Chemistry	Physical Chemistry	Organic Chemistry			
Coordination Chemistry	Inorganic Materials	Kinetics	Spectroscopy			
Atomic Structure		Thermodynamics				
		Ionic Equilibria				
		Quantum Chemistry				
		Spectroscopy				
Research Guidance						

Publications Profile

1. Probing the factors that influence the conformation of guanidinato ligand in $[(\eta^5\text{-C}_5\text{Me}_5)\text{M}(\text{NN})\text{X}]$ ($\text{NN} = \text{chelating } N,N',N''\text{-tri-(o-substituted aryl)guanidinate(1-)}; \text{X} = \text{chloro, azido and triazolato}$). **Kumar, R.**; Kishan, R.; Thomas, J. M.; Sivasankar, C.; Thirupathi, N. *N. J. Chem.* **2018** *42*, 1853-1866.
2. Syntheses, Characterization and Catalytic Role of $(\eta^5\text{-C}_5\text{Me}_5)\text{Rh(III)}$ Guanidinato Complexes in Transfer Hydrogenation (TH) and TH-Etherification. **Kumar, R.**; Thirupathi, N. *RSC Advances* **2017**, *7*, 33890-33904.
3. Ionic and Neutral Half Sandwich Guanidinatoruthenium(II) Complexes and Their Solution Behavior. Kishan, R.; **Kumar, R.**; Baskaran, S.; Sivasankar, C.; Thirupathi, N. *Eur. J. Inorg. Chem.* **2015**, 3182–3194.
4. Oxidation of Substituted Benzyl Amines using a Phenoxo Bridged Dimeric Nickel(II) Complex: Synthesis, Crystal Structure and Catalytic Activity. **Kumar, R.**; Kumar, R.; Mahiya, K.; Mathur, P. *Transition Metal Chemistry* **2015**, *40*, 189–195.
5. Synthesis, Spectral and Structural Characterization of Cu(II) Complexes of a Tridentate NNO Donor Schiff Base Carrying a Pendant Benzimidazolyl Arm. **Kumar, R.**; Mahiya, K.; Mathur, P. *Indian Journal of Chemistry* **2011**, *50A*, 775–780.

Conference Organization/Presentations

1. **Kumar, R.**; Kumar, U. Hydrogen Gas: A Clean Future Fuel In Abstract “National Workshop on Skill Development” PP-15, Deshbandhu College, University of Delhi, Delhi, June 07, **2018**.
2. **Kumar, R.**; Kumar, U. Removal of toxic metal ions from water using metal sulfide ion exchangers “International Conference on Sustainable Initiatives in Water Management” March 06, **2018**.
3. **Kumar, R.**; Thirupathi, N. Half Sandwich Ruthenium(II) Electron Deficient N,N',N'' -Triarylguanidinato Complexes, Reactivity Studies and Catalytic Activity in Azide-Alkyne Cycloaddition Reactions In Abstract “19th CRSI National Symposium in Chemistry” PP-83, University of North Bengal, Darjeeling, West Bengal, July 14, **2016**.
4. **Kumar, R.**; Thirupathi, N. Transfer Hydrogenation of Ketones and Aldehydes Catalyzed by $[(\eta^5\text{-C}_5\text{Me}_5)\text{RhCl}\{\kappa^2(N,N')((\text{ArN})_2\text{C}-\text{N}(\text{H})\text{Ar})\}]$ In Abstract “18th CRSI National Symposium in Chemistry” P-200, INST Mohali and Punjab University, Chandigarh, Punjab, February 04, **2016**.
5. **Kumar, R.**; Thirupathi, N. Half Sandwich Ruthenium(II) Complexes of CF_3 Bearing $\text{sym } N,N',N''$ -Triarylguanidines: Syntheses, Structural Aspects and Reactivity Studies In Abstract “17th CRSI National Symposium in Chemistry” P-170, CSIR-NCL, Pune, Maharashtra, February 06, **2015**.
6. **Kumar, R.**; Thirupathi, N. Synthesis, Structural Aspects and Solution Behaviour of $[(\eta^5\text{-C}_5\text{Me}_5)\text{RhX}\{\kappa^2(N,N')((\text{ArN})_2\text{C}-\text{N}(\text{H})\text{Ar})\}]$ and $[(\eta^5\text{-C}_5\text{Me}_5)\text{RhL}\{\kappa^2(N,N')((\text{ArN})_2\text{C}-\text{N}(\text{H})\text{Ar})\}][\text{SbF}_6]$; ($\text{X} = \text{Cl, N}_3$ and $\text{N}_3\text{C}_3\text{R}_2$, $\text{Ar} = 2\text{-X}'\text{C}_6\text{H}_4$; $\text{X}' = \text{F}$ and Cl ; $\text{L} = \text{Lewis Base}$) In Abstract “Modern Trends in Inorganic Chemistry MTIC-XV” P-78, Indian Institute of Technology, Roorkee, Uttarakhand, December 13, **2013**.
7. Kishan, R.; **Kumar, R.**; Thirupathi, N. Neutral and Cationic Half Sandwich Ruthenium (II) Arene Complexes Ligated by $\text{sym } N,N',N''$ -Triarylguanidinate(1-): Syntheses, Structural Aspects, Solution Behavior and Their Utility in Transfer Hydrogenation Reaction In Abstract “Emerging Trends in Development of Drugs and Devices” P-80, University of Delhi, Delhi, January 21, **2013**.

CONFERENCE ATTENDED

1. 3rd Asian Conference on Coordination Chemistry (ACCC3), Indian Habitat Centre, Delhi, Jointly Organized by Chemistry Department of Indian Institute of Technology, Delhi and Indian Institute of Technology, Kanpur, October 17-20, 2011.
2. Indian Road Show Workshop, Indian Institute of Technology, Delhi, India, 4 November **2014**.

Research Projects (Major Grants/Research Collaboration)	
NA	
Awards and Distinctions	
NATIONAL EXAMS	
CSIR-UGC NET-JRF (Chemical Sciences)	2012
CSIR-UGC NET-LS (Chemical Sciences)	2010
GATE	2010 and 2011
Association With Professional Bodies	
NA	
Other Activities	
NA	

Signature of Faculty Member

- You are also requested to give your complete resume as a Word or PDF file to be attached as a link on your department page.