


Name:		Dr.Rishu		
	Assistant Professor P.G. Department of Chemistry ✉ rishu788@gmail.com ☎ 8968055223 h- Index: 3			
	Areas of Interest <ul style="list-style-type: none"> • Synthesis and catalytic applications of organometallic compounds • Optical chemosensing of metal complexes 			
Educational details				
Degree	Year	University	Percentage	Medals/ Positions
10th	1997	C.B.S.E	1 st / 70.8	
12 th	1999	C.B.S.E	1 st / 71.2	
B.Sc. (Hons. School)	2002	Panjab University, Chandigarh	2 nd / 52.6	
M.Sc. (Hons. School)	2004	Panjab University, Chandigarh	1 st /60.7	
Ph.D	2011	Panjab University, Chandigarh		
Professional Details				
Designation	From	To	Organization	
Assistant	19.08.2017	Till date	MCM DAV College Sec.36A, Chandigarh	

Professor(Permanent)				
Assistant Professor(Contractual)	11.01.2017	18.08.2017	MCM DAV College Sec.36A, Chandigarh	
Research Associate(CSIR)	30-04-2013	29-04-2016	Deptt. Of Chemical Sciences, IISER Mohali	
Research Associate(DST)	03-09-2012	29-04-2013	Department of Chemistry, Panjab University, Chandigarh	
Resource Person	16-08-2011	26-04-2012	P.G.G.C Sector-11, Chandigarh	
Awards & Recognitions				
Award	Institute	Year		
SRF Award Letter No. 09/135/(0536)/2008/EMR-I from CSIR	Panjab University Chandigarh	2008		
RA Award Letter No. 09/947/(0038)/2013/EMR-I from CSIR	Panjab University Chandigarh	2013		
Research Publications				
Title	Journal	Refereed	Date and Year of Publication	Online Link
Enhanced activity of trinuclear Zn (II) complex towards phosphate ester bond cleavage by introducing three metal cooperativity.	New Journal of Chemistry, 42, 2204-2215, 2018	Refereed	27 Dec 2017	https://pubs.rsc.org/en/content/articlelanding/2018/nj/c7nj03759g/unauth#!divAbstract
Hg(II) and Pd(II) complexes with a new selenoether bridged biscarbene ligand: efficient	Dalton Transactions 46, 6291-	Refereed	11 Apr 2017	https://pubs.rsc.org/en/content/articlelanding/2017/dt/c6dt04505g/unauth#!divAbstract

mono- and bis-arylation of methyl acrylate with a pincer biscarbene Pd(II) precatalyst, DOI: 10.1039/C6DT04505G	6302, 2017			
Design, synthesis and characterization of picoline based organoselenium compounds, 1,2-bis(pyridine-2/3/4-yl)methyl diselanes:X-ray crystal structure of 1,2-bis(pyridine-3-yl)methyl diselane.	Journal of Organometallic Chemistry 785, 19-25, 2015.	Refereed	1 June 2015	https://www.sciencedirect.com/science/article/pii/S0022328X15000923
A one-flask synthesis and characterization of novel symmetrical pyridyl monoselenides and X-ray crystal structure of bis(5-bromo-2-pyridyl) selenide and bis(2-bromo-5-pyridyl)	Journal of Organometallic Chemistry 695, 648-652, 2010.	Refereed	1 March 2010	https://www.sciencedirect.com/science/article/pii/S0022328X09007761

selenide.				
Mixed anionic and zwitterionic surfactant based microemulsions as vehicles for solubilizing organodiselenides.	Journal of Colloid and Interface Science 336, 322-328, 2009.	Refereed	1 August 2009	https://www.sciencedirect.com/science/article/pii/S0021979709003348
Synthesis of Unsymmetrical Aryl Pyridyl Selenides by the Reductive Cleavage of Se Se Bond.	Phosphorus, Sulfur, and Silicon and the Related Elements 183, 992-997, 2008.	Refereed	29 Oct 2008	https://www.tandfonline.com/doi/abs/10.1080/10426500801900980
A Novel Approach Toward the Synthesis and Characterization of Pyrimidyl Chalcogen Compounds,	Phosphorus, Sulfur, and Silicon and the Related Elements 183, 986-991, 2008.	Refereed	29 Oct 2008	https://www.tandfonline.com/doi/abs/10.1080/10426500801900972
Synthesis and characterization of some a,x-	Inorganica Chimica Acta 360,	Refereed	2 July 2007,	https://www.sciencedirect.com/science/article/pii/S0020169307001533

bis(naphthylseleno) alkanes: X-ray crystal structure of 1,2-bis(1-naphthylseleno)ethane,	3127-3131, 2007.			
Synthesis and characterization of some α -naphthyl selenium/tellurium derivatives: X-ray crystal structure of benzyl-1-naphthyl selenide and diphenylmethyl-1-naphthyl selenide	Journal of Organometallic Chemistry , 691, 621-628, 2006.	Refereed	1 February 2006	https://www.sciencedirect.com/science/article/pii/S0022328X05008132

Miscellaneous

- Participated in organizing a Voluntary Blood Donation Camp by Department of Transfusion Medicine PGIMER, Chandigarh & State Blood Transfusion Council U.T. Chandigarh at Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh on 22nd February, **2019**.
- Attended International Conference on Soul in Symphony: Spiritual and Pragmatic Aspects of Happiness organized Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh under the aegis of DAV College Managing Committee, Chitra Gupta Road, New Delhi on 29th-30th October, **2018**.
- Worked as Co-ordinator of Swachh Bharat Summer Internship Programme(SBSI), **2018** organised by Ministry of Drinking Water and Sanitation(MDWS) in association with Ministry of Human Resource Development (MHRD) and Ministry of Youth Affairs

and Sports (MYAS), Government of India for completing and Supervising 100hrs of program

- Participated in Workshop on Awareness Generation and Dissemination of Knowledge and Skills about Recent Advances in Nutrition and Food Safety catalysed and supported by Rashtriya Vugyan Evam Prodyogiki Sanchar Parishad, DST, New Delhi Star College Scheme, DBT, Ministry of Science & Technology, New Delhi organized by School of Public Health, PGIMER, Chandigarh and Department of Food Science, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh on 23rd November, **2017**.
- Attended Science Academies' Lecture Workshop on 'Chemistry and its Multidisciplinary Facets' organized by Post Graduate Department of Chemistry, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh in Association with Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad on 24th-25th October, **2017**.
- Participated in DBT Sponsored Workshop on Electrochemistry by Dr. Sagar Mitra, IIT Mumbai, organized by Post Graduate Department of Chemistry, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh on 13th October, **2017**