




SHIVAJI COLLEGE FACULTY DETAILS PROFORMA



Title	Dr.	First Name	SUNIL	Last Name	YADAV	Photograph
Designation	Assistant Professor					
Address	16/34 Sindhora Kalan Shakti Nagar Ext. Delhi, Delhi-110052					
Office Phone No.	-					
Residence	-					
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Educational Qualifications	PhD (Inorganic Chemistry)					
Degree	University/Institute				Year	
Ph.D.	Department of Chemistry University of Delhi (Supervisor Prof. Rajeev Gupta)				2018	
M.Phil./M.Tech.	-				-	
PG	Kirori Mal College University of Delhi				2011	
UG	Udai Pratap Autonomous College Varanasi				2008	
Any Other Qualification	CSIR-NET				2011	
	GATE				2012	
Career Profile						
Started as Assistant Professor in Department of Chemistry, Hans Raj College, University of Delhi from 7 th October 2016 to 1 st August 2017. Currently working as Assistant Professor in Department of Chemistry Shivaji College Raja Garden, New Delhi-110027.						
Administrative Assignments						
Areas of Interest/Specialisation						
1. Inorganic Chemistry						
2. Electrochemistry/Cyclic Voltametry						

Subjects Taught

1. Inorganic Chemistry IV BSc (H) VI Semester
2. Inorganic Materials of Industrial Importance BSc (H) V Semester
3. Chemistry of s and p- Block Elements, States of Matter and Chemical Kinetics BSc (P) IV Semester
4. Molecules of Life (GE) II Semester
5. Analytical Clinical Biochemistry (SEC) BSc (H) IV Semester
6. Inorganic Chemistry (Chemistry of d-Block elements, Bioinorganic and Organometallic Chemistry) BSc (P) V Semester
7. Atomic Structure, Bonding and General Organic Chemistry (GE) I Semester
8. Environmental Studies
9. Chemistry of d-Block Elements, Quantum Chemistry and Spectroscopy BSc (P) VI Semester
10. Inorganic Chemistry III BSc (H) IV Semester
11. Chemical Energetics, Equilibria & Functional Group Organic Chemistry I
12. Organometallic, Bioinorganic Chemistry, Polynuclear Hydrocarbons & UV, IR Spectroscopy BSc (P) VI Semester
13. Chemistry of Cosmetics and Perfumes BSc (P) V Semester (SEC)

Innovation Project/Research Projects (Major Grants/Research Collaboration)**Publications Profile (Research Papers/Books)**

1. Pd(II) complexes with amide-based macrocycles: syntheses, properties and applications in cross-coupling reactions. Sushil Kumar, Rajeev Ranjan Jha, **Sunil Yadav** and Rajeev Gupta, *New J. Chem.*, 2015, **39**, 2042-2051.
2. Manganese Complexes of Pyrrole- and Indolecarboxamide Based Ligands: Electrochemical Oxidation Studies and Lewis acid Assisted Catalytic Applications: **Sunil Yadav**, Sushil Kumar and Rajeev Gupta, *Eur. J. Inorg. Chem* 2015, 5534-5544.
3. Cobalt complexes of pyrrolecarboxamide ligands as catalysts in nitro reduction reactions: influence of electronic substituents on catalysis and mechanistic insights. **Sunil Yadav**, Sushil Kumar and Rajeev Gupta, *Inorg. Chem. Front.*, 2017, **4**, 324-335.
4. Carbon-Sulfur and Carbon-Carbon Cross-Coupling Reactions Catalyzed by a Ni(II)-NNP Complex. **Sunil Yadav**, Deepak Kumar and Rajeev Gupta (manuscript to be communicated)
5. Palladium complexes in N₂PCl and N₂P₂ environments: Significant role of coordination sphere on catalysis. **Sunil Yadav**, Sushil Kumar and Rajeev Gupta (manuscript to be communicated)

Conference/Seminar/Faculty Development Programme/Workshop
1. Sunil Yadav , Sushil Kumar and R. Gupta, "Coordination Chemistry with Pyrrole-Amide & Indole-Amide Ligands" <i>4th National Symposium on Advances in Chemical Sciences</i> from 27- 28 Feb 2014 at GNDU, Amritsar.
2. Sunil Yadav , Sushil Kumar and R. Gupta, "Coordination Chemistry with Pyrrole-Amide & Indole-Amide Ligands" <i>9th National Conference on Solid State Chemistry and Allied Areas</i> from 8-10 May 2015 , Bhaskaracharya College of Applied Sciences (University of Delhi).
3. Sunil Yadav "Coordination Chemistry with Pyrrole-Amide & Indole-Amide Ligands" Vth National Conference on <i>Chemical Sciences: Emerging Scenario & Global Challenges (Role of Chemical Sciences to Make in India)</i> 26 March 2016, Arya Post Graduate College Panipat Haryana.(Oral Presentation)
4. Participated in the "Workshop on Spectro-Electrochemistry" held at Department of Chemistry University of Delhi, Delhi on 17 th and 18 th June, 2015.
Research Guidance (Supervision of Doctoral Thesis/Dissertations)
-
Awards and Distinctions
-
Memberships
-
Other Academic Activities
Worked as the JRF and SRF fellow in CSIR sponsored project entitled "Studies on Coordination Complexes of Macrocyclic Ligands and their Open-Chain Analogues: Coordination and Bioinorganic Perspectives".
Cultural/Extracurricular Activities
Participated in Antardhvani from 14 - 16 February, 2014

Signature of Faculty Member

