

CURRICULUM VITAE

Personal details:

Name : Puspendu Roy
Father's Name : Amalendu Roy
Mother's Name : Purnima Roy
Sex : Male
Date of Birth : 19.01.1991
Nationality : Indian
Email : roypuspendu1991@gmail.com
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Language Proficiency: Bengali, English & Hindi (Read, Speak, and Write)
Hindi (Read and Speak)
Address for Correspondence: Village- Pakurtala, Post Office-Pakurtala

District-South 24 Parganas , Pin- 743349, West Bengal, India

Educational Qualifications:

Degree	Year	Board / University
Ph. D. Course work Examination	2015	JADAVPUR UNIVERSITY
NET	2013	CSIR-UGC NET
M.A./M.Sc.	2013	IIT KANPUR
B.A./B.Sc. Hons.	2011	UNIVERSITY OF CALCUTTA

Current Status:

Assistant Professor
Department of chemistry
Netaji Nagar Day College
Netaji Nagar, Kolkata 700092

Awards/Achievements:

- ❖ Awarded by Indian oil scholarship for excellent result in Madhyamik.
- ❖ I have ranked 62 in JAM 2011 conducted by IIT.

- ❖ Awarded by MCM scholarship at IIT Kanpur.
- ❖ I have secured UGC 101 rank in CSIR-UGC NET JUNE, 2013.
- ❖ Secured good rank in Gate 2015, 2016 and 2017 in the subject of Chemistry.

Computer Skills:

Programming language: Fortran

Operating Systems: Windows XP / 7 / 8, Linux

Other Tools: MS Office, Origin, Chem Office , Chem draw, GAUSSIAN

Expert in Handling Instruments:

pH meter, Potentiometer, Conductometer, Polarimeter , Spectrophotometer.

Infrared (IR) spectrometer, UV spectrometer, Spectrofluorimeter, Stopped flow apparatus, Refractometer, Rotavapour, Gas Chromatography, Viscometer, Stalagmometer, CV, Reflux condenser etc.

Teaching Experience: From 3rd November 2017 (Ongoing)

Subjects Taught in College (Year Wise Detail):

Year 2017: Physical Chemistry and Inorganic Chemistry

Year 2018: Physical Chemistry and Inorganic Chemistry

Research Experience: 4 years

Area of Research: “*New ruthenium(II), rhodium(III) and rhenium(I) complexes with NOS donor azo-thioether ligands: C-S bond cleavage, electronic structure, photophysical properties and catalysis*”

Project: "Tango of Cu and thiol" at IIT Kanpur under the guidance of Prof. Raja Angamuthu in M.Sc

Research Oriented Publications in Journals/Books/Chapter of Books:

Journals:

1. Ruthenium carbonyl complex of a redox non-innocent ONS donor azophenol ligand: Electrochemistry, photophysical property, electronic structure and catalytic activity towards oxidation of alcohols
Puspendu Roy, Apurba Sau Mondal, Ajoy Kumar Pramanik, Tapan Kumar Mondal
Journal of Organometallic Chemistry, 828(2017) Pages 1-9
2. A new highly selective and ratiometric chromogenic sensor for Cu²⁺ detection
Puspendu Roy, Sangita Das, Krishnendu Aich and Tapan Kumar Mondal
Indian Journal of Chemistry Vol. 94, 2017, pages 755-760

3. **Osmium-hydride-carbonyl complex with thioether containing schiff base ligand: Synthesis, crystal structure, electrochemistry and catalytic transfer hydrogenation**
 Sujan Biswas, [Puspendu Roy](#), Subrata Jana and Tapan Kumar Mondal
 Journal of Organometallic Chemistry, 846 (2017) Pages 201-207
4. **Synthesis of palladium(II) complex with NNS donor Schiff base ligand via C-S bond cleavage: X-ray structure, electrochemistry and DFT computation**
 Sujan Biswas, [Puspendu Roy](#) and Tapan Kumar Mondal
 Journal of Molecular Structure, Volume 1142, 15 August 2017, Pages 110-115
5. **Ruthenium carbonyl complex bearing thioether containing Schiff base ligand: Structure, electrochemistry and catalytic activity**
 Sujan Biswas, [Puspendu Roy](#), Deblina Sarkar & Tapan Kumar Mondal
 Indian Journal of Chemistry Vol. 55A, August 2016, pages 929-937
6. **Synthesis and characterization of a ruthenium complex with bis(diphenylphosphino)propane and thioether containing ONS donor ligand: Application in transfer hydrogenation of ketones**
 Sujan Biswas, Deblina Sarkar, [Puspendu Roy](#) and Tapan Kumar Mondal
 Polyhedron ,Volume 131, 27 July 2017, Pages 1-7
7. **Template synthesis of square-planar Ni(II) complexes with new thiophene appended Schiff base ligands: Characterization, X-ray structure and DFT calculation**
 Subhankar Kundu, Sujan Biswas, Apurba Sau Mondal, [Puspendu Roy](#), Tapan Kumar Mondal
 Journal of Molecular Structure, Volume 1100, 15 November 2015, Pages 27-33
8. **Rhodium(III)-triphenylphosphine complex with NNS donor thioether containing Schiff base ligand: Synthesis, spectra, electrochemistry and catalytic activity**
 Sujan Biswas, Deblina Sarkar, Subhankar Kundu, [Puspendu Roy](#), Tapan Kumar Mondal
 Journal of Molecular Structure, Volume 1099, 5 November 2015, Pages 297-303

Conferences / Seminars Attended / Participated:

	International (Number)	National (Number)	State/University (Number)
Paper Presented	2	1	
Participated	2	1	

Paper Presented:

1. At a national level seminar on "Nurturing chemistry: Bonding and Beyond" held at department of chemistry, The Bhawanipur Education Society College, Kolkata on 5th December, 2017
2. At "5th international symposium on advanced biological inorganic chemistry (SABIC)" held on kolkata during January 7-11, 2017
3. At international symposium on Modern Trends in Inorganic Chemistry-XVI (MTIC-XVI) organized by department of chemistry, Jadavpur University, kolkata on December 3-5, 2015

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Interests/Hobby:

- 1. Regular participation in sports-Cricket, Football, Badminton**
- 2. Listening Music and watching Movie**