

CURRICULUM VITAE

NAME: DR. PIYA SETH

GENDER: Female

DATE OF BIRTH: 5th September, 1987

NATIONALITY: Indian

MARITAL STATUS: Married

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ACADEMIC PERFORMANCES:

Degree	Institute	Name of the board /university	Year of passing	Subjects	Percentage	Division/ Classes
Ph.D.	University College of Science and Technology	University of Calcutta.	2015	Chemistry	N.A.	N.A.
M.Sc.	Rajabajar Science College, Kolkata.	University of Calcutta.	2010	Chemistry (Inorganic Special).	82.2%	1 st Class
B.Sc.(Hons)	Scottish Church College, Kolkata,	University of Calcutta.	2008	Chemistry (Hons.) Physics, Mathematics.	64.37%	1 st Class
Higher secondary(10+2)	Bethune School, Kolkata.	W.B.C.H.S .E.	2005	Physics, Chemistry,	82.4%	1 st (*) divis

level				Mathematics, Biology, English, Bengali.		ion
Secondary 10 th level	Bethune School, Kolkata.	W.B.B.S.E	2003	Physical Sc., Life Sc., Mathematics, History, Geography, English, Bengali,	81.75%	1st(*) divis ion

ACADEMIC ACHIEVEMENT:

- I have **JRF (NET)** UGC fellowship with All India Rank- **305** in the National Eligibility Test (CSIR UGC -NET) organized in June, 2010 in the paper Chemistry.
- I have secured All India Rank- **88** in the paper Chemistry in **GATE** 2010 with GATE score 0568.
- I have secured **7th** position in M.Sc. among all the students of University of Calcutta and obtained **highest marks** among the students of Inorganic Chemistry specialization in this University.
- Cracked **West Bengal Public Service Commission's** examination (Rank: 23) for the recruitment of Assistant Professor in Govt. Colleges in the year 2014.

TEACHING EXPERIENCE:

- Assistant Professor (**WBES**) of CHEMISTRY in Sister Nibedita Govt. General Degree College for Girls, Hastings House, Alipore, Kolkata from 01.06.2015 till date
- As a Guest Lecturer at Ananda Mohan College (City college evening) from 01.08.2012 to 30.04.2015.

RESEARCH EXPERIENCE:

Junior Research Fellow (03.01.2011- 02.01.2013) & Senior Research Fellow (from 03.01.2013 - 31.05.2015)

Supervisor: Prof. Ashutosh Ghosh

Dean, Faculty of Science

University of Calcutta

92, A.P.C Road Kolkata- 700009

List of Publication:

1. Synthesis, Crystal Structure, and Catecholase Activity of Three Trinuclear Heterometallic $\text{Ni}^{\text{II}}_2\text{-Mn}^{\text{II}}$ Complexes Derived from a Salen-Type Schiff Base Ligand,
P. Seth, L. K. Das, M. G. B. Drew, A. Ghosh. *Eur. J. Inorg. Chem.* (2012) 2232-2242.
2. Functional model for catecholase-like activity: A mechanistic approach with manganese(III) complexes of salen type Schiff base ligands
P. Seth, M. G. B. Drew, A. Ghosh. *J. Mol. Catal. A* 365 (2012) 154– 161.
3. A mixed-valence Mn_6 cluster exhibiting self-assembled vesicular structure and catecholase-like activity in solution state
P. Seth and A. Ghosh, *RSC Adv.* 3 (2013) 3717-3725.
4. Analysis of the contribution of the π -acidity of the s-Tetrazine ring in the crystal packing of coordination polymers
P. Seth, A. Bauzá, A. Frontera, C. Massera, P. Gamez, A. Ghosh, *CrystEngComm.* 15 (2013) 3031–3039.
5. Solvent-templated supramolecular isomerism in 2D coordination polymer constructed by $\text{Ni}^{\text{II}}_2\text{Co}^{\text{II}}$ nodes and dicyanamido spacers: drastic change in magnetic behaviours
S. Ghosh, S. Mukherjee, **P. Seth**, P. S. Mukherjee and A. Ghosh, *Dalton Trans.*, 42 (2013) 13554-13564.

6. Trinuclear heterometallic Cu^{II}-Mn^{II} complexes of a salen type Schiff base ligand: anion dependent variation of phenoxido bridging angles and magnetic coupling

P. Seth, S. Ghosh, A. Figuerola and A. Ghosh, *Dalton Trans.*, 43 (2014) 990-998.

7. Analyses of supramolecular interactions present in a coordination polymer of Mn(II) with 2-picolinate and 4,4'-Azobis(pyridine)

P. Seth, A. Bauzá, A. Frontera, and A. Ghosh, *Inorg. Chem. Commun.* 41 (2014) 1-5.

8. Ferro- to antiferromagnetic crossover angle in diphenoxido and carboxylato bridged trinuclear Ni^{II}₂-Mn^{II} complexes: Experimental observations and theoretical rationalization

P. Seth, A. Figuerola, J. Jover, E. Ruiz, and A. Ghosh, *Inorg. Chem.* 53 (2014) 9296-9305.

9. Tuning of exchange coupling by the Mn-O distance and phenoxido bridging angle: an experimental and theoretical study of the family of Mn(III) dimers with salen type ligands

P. Seth, S. Giri and A. Ghosh, *Dalton Trans.*, 44 (2015) 12863-12870.

10. Antiferro- to ferromagnetic crossover in diphenoxido bridged Ni^{II}₂Mn^{II} complexes derived from N₂O₂ donor Schiff base ligands

P. Seth, A. Figuerola, J. Jover, E. Ruiz, A. Ghosh, *Polyhedron*, 117 (2016) 57-63.

Declaration:

I, hereby declare that the above furnished particulars are true to the best of my knowledge and belief. If given a chance, I will prove my efficiency, loyalty and willingness to work.

Yours faithfully,

Place: Kolkata.

Dr. Piya Seth