

## CURRICULAM VITAE

### Dr. Sudeshna Saha

#### Personal details

**Address** :

Malanchapally, Thakurpara,  
P.O.- Bishnupur, Dist.- Bankura  
State - West Bengal, PIN-722122

**Date of Birth** :

04<sup>th</sup> Day of December, 1988

**Email**

[Sudeshna88chem@gmail.com](mailto:Sudeshna88chem@gmail.com)

**Language known** :

English, Bengali, Hindi

**Self-Assertion** :

Analytical approach with logical reasoning. Belief in hard work and sincerity.

**Skype ID** :

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#### Objectives:

To associate with multi-dynamic institute, which may provide a platform to update my knowledge & skills in accordance with latest trends in teaching along with research that follows a tradition of anticipating & leading changes.

#### Academic Qualification:

Degree	Board/University	Year	Subject	Percentage of Marks (%)
10	WBBSE	2004	Science and Mathematics	83.25
10 + 2	WBCHSE	2006	Science and Mathematics	77.40
B.SC	University of Calcutta	2010	Honours: Chemistry; Sub : Physics & Mathematics	50.25
M.SC	IIT(ISM) Dhanbad	2012	Chemistry	76.90

Ph.D	IIT(ISM) Dhanbad	2016	Title: Syntheses of mononuclear, polynuclear metal complexes and boronates of Schiff base ligands	
B.ED	NBSM	2019	Physical science	80%

## Achievements:

- Cleared the Graduate Aptitude Test in Engineering (GATE) organized by IITs and IISC.
- Award IIT(ISM) JRF fellowship form MHRD for research work from August 2012-August 2016.
- Best oral presentation award in ICC-2014 at IIT(ISM) Dhanbad.

## Skills:

- Wide experience in teaching Chemistry courses to undergraduates
- Profound knowledge of chemical structure, property and composition of substances
- Exceptional knowledge of laboratory techniques
- Familiarity with instructional methodologies
- Ability to ensure student safety in laboratory
- Ability to teach student groups from diverse backgrounds
- Ability to enforce student discipline policies in classrooms
- Excellent analytical capabilities, self-motivated, quick learner

## M.Sc. Project: :( 2011-2012)

**Title of the Thesis** Synthesis of Trinuclear Metal Complexes of 1, 3, 5-Triacetyl-2, 4, 6-trihydroxybenzene Derived Ligands

**Supervisor** Dr. Hari Pada Nayek, Indian School of Mines, Dhanbad-826004, India

**Title of the Thesis** Effect of Nickel on the Reduction Temperature of Zinc Oxide

**Supervisor** Dr. Sudip Maity, Central Institute of Mining and Fuel Research, Digwadih Campus, Dhanbad-826004, India

## Research Publications:

- [1] “Syntheses and Characterization and Reactivity of Lewis Acid-Base Adducts based on B-N Dative Bonds.” **S. Saha**, R. K. Kottalanka, T. K. Panda, K. Harms, S. Dehnen, H. P. Nayek, *J. Organomet. Chem*, **2013**, 745-746, 329-334. [Impact Factor- 2.336, (4 citation)]  
url:<http://www.sciencedirect.com/science/article/pii/S0022328X1300644X>
- [2] “Synthesis and Characterization of a Nickel(II) Complex of 9-Methoxy-2,3-dihydro-1,4-Benzoxazine Derived from a Schiff Base Ligand and Its Ligand Substitution Reaction.” **S. Saha**, R. K. Kottalanka, P. Bhowmik, S. Jana, K. Harms, T. K. Panda, S. Chattopadhyay, H. P. Nayek, *J. Mol. Str.*, **2014**, 1061, 26-31. [Impact Factor- 1.780, (11 citation)]  
url:<http://www.sciencedirect.com/science/article/pii/S002228601301096X>
- [3] “A Ferromagnetic Tetranuclear Nickel(II) Schiff-base Complex with an Asymmetric Ni<sub>4</sub>O<sub>4</sub> Cubane Core.” **S. Saha**, S. Pal, C. J. Gómez-García, J. M. Clemente-Juan, K. Harms, H. P. Nayek, *Polyhedron*, **2014**, 74, 1-5. [Impact Factor- 2.011, (11 citation)]  
url:<http://www.sciencedirect.com/science/article/pii/S0277538714001120>
- [4] “Co-crystallization of Keggin Type Polyoxometalates [HL]<sub>3</sub>[PW<sub>12</sub>O<sub>40</sub>] and [Ln(DMF)<sub>8</sub>][PW<sub>12</sub>O<sub>40</sub>] (Ln = La, Dy, Yb) (L = N-(2-hydroxyphenyl)-3-methoxysalicylideneamine): Syntheses, Structures and Magnetic Properties.” **S. Saha**, P. P. Jana, C. J. Gómez-García, K. Harms, H. P. Nayek, *Polyhedron*, **2016**, 104, 58–62. [Impact Factor- 2.011, (2 citation)]  
url:<http://www.sciencedirect.com/science/article/pii/S0277538715007214>
- [5] “Syntheses, Structures and Biological Activities of Square Planar Ni(II), Cu(II) Complexes.” **S. Saha**, S. Jana, S. Gupta, A. Ghosh, H.P. Nayek, *Polyhedron*, **2016**, 107, 183-189. . [Impact Factor- 2.011, (4 citation)]  
url:<http://www.sciencedirect.com/science/article/pii/S0277538716000577>

- [6] “Schiff-base Supported Heterobicyclic Monomeric Boronates”. **S. Saha**, A. Harinath, T. K. Panda and H. P. Nayek, *J. Organomet. Chem.* **2016**, 818, 37-41. [Impact Factor- 2.336]  
 url:<http://www.sciencedirect.com/science/article/pii/S0022328X16302212>
- [7] “The Missing Link in Ni(II)-Ln(III) System: Design and Synthesis of a Dinuclear [Ni<sub>2</sub>] and Three Pentanuclear [Ni<sub>3</sub>Ln<sub>2</sub>] (Ln = La, Ce, Eu) Complexes of a Schiff Base Ligand.” S. Saha, A. Sarkar, S. Das, T. K. Panda, K. Harms and H. P. Nayek,\* *Chemistry Select*, **2017**, 2, 7865-7872.  
 url: <http://onlinelibrary.wiley.com/doi/10.1002/slct.201701146/full>
- [8] “Syntheses, Structures, Optical Properties and Biological activities of Bimetallic Complexes.” M. Mahato, D. Dey, S. Pal, **S. Saha**, A. Ghosh, K. Harms, H. P. Nayek, *RSC Advances*, **2014**, 4, 64725-64730. [Impact Factor- 3.289, (2 citation) ]  
 url:<http://pubs.rsc.org/en/content/articlelanding/2014/ra/c4ra11991f#!divAbstract>
- [9] “Nickel(II) Complexes Having Imidazol-2-ylidene-N'-phenylurea Ligand in the Coordination Sphere - Syntheses and Solid State Structures.” K. S. Naktode, A. Kundu, **S. Saha**, H. P. Nayek, T. K. Panda, *J. Chem. Sci.* **2015**, 127 (8), 1397-1404. [Impact Factor- 1.086]  
 url: <http://link.springer.com/article/10.1007/s12039-015-0907-x>

## List of Conference attended:

- Poster presentation in SPPS 2013, Dhanbad on “Syntheses, Characterization and Reactivity of Lewis Acid-Base Adducts Based on B-N Dative Bonds”.
- Oral presentation in RDCST-2014 in NIT Rourkela, Odisha on “Syntheses, Characterization and Reactivity of Lewis Acid-Base Adducts Based on B-N Dative Bonds”.
- Oral presentation in ICC-2014 in ISM Dhanbad on “Syntheses, Characterization and Reactivity of Lewis Acid-Base Adducts Based on B-N Dative Bonds”(Selected as a best oral presentation)

## Experience:

Working as a Guest Teacher in Midnapore College (Autonomous) from 2019.

## References:

1. Dr. Hari Pada Nayek (Doctoral supervisor) Associate Professor Department of Applied Chemistry IIT(ISM) Dhanbad Dhanbad- 826004, Jharkhand, India Email: <a href="mailto:hpnayek@yahoo.com">hpnayek@yahoo.com</a>	2. Prof. G. Udayabhanu Professor Department of Applied Chemistry IIT(ISM) Dhanbad Dhanbad- 826004, Jharkhand, India Email: <a href="mailto:g_udayabhanu@hotmail.com">g_udayabhanu@hotmail.com</a>
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## 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, my loyalty, my willingness to work.*

Place: Bishnupur  
Date: 30.05. 2020

*Sudeshna Saha*

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