

## Faculty Resume

**Name:** Dr. Prasanta Kumar Bhaumik

**Designation:** Assistant Professor in Chemistry

**Area of Research:** Coordination Chemistry

➤ **Educational Qualification (Graduation Onwards) :**

1. M.Sc. (2009)
2. Ph.D (2015)

➤ **Teaching Experience: 6 years**

➤ **Award and Honors: None**

➤ **Member of Professional Bodies: None**

➤ **Important Publications:**

1. *Manganese(III) complexes with tetradentate salicylaldimine Schiff bases: Synthesis, structure, self assembly and catalase activity*

Nandita Sarkar, **Prasanta Kumar Bhaumik**, Shouvik Chattopadhyay \*, **Polyhedron 115 (2016) 37–46**  
2016/2017 Impact Factor : 1.926

2. *Syntheses, crystal structures and density functional theory investigations of copper(II) complexes bearing tridentate Schiff base ligands derived from 8-aminoquinoline*

**Prasanta Kumar Bhaumik**, Antonio Bauzá, Michael G. B. Drew, Antonio Frontera\* and Shouvik Chattopadhyay\*, **CrystEngComm, 17 (2015) 5664–5671**. Impact factor: 3.474

3. *Synthesis, structure, magnetic property and self-assembly of two double end-on azide bridged ferromagnetic nickel(II) complexes with distinct bidentate blocking ligands: A combined experimental and theoretical study*

2016/2017 Impact Factor : 1.926

Anik Bhattacharyya, **Prasanta Kumar Bhaumik**, Mithun Das, Antonio Bauzá, Partha Pratim Jana, Klaus Harms, Antonio Frontera\*, Shouvik Chattopadhyay\*, **Polyhedron 101 (2015) 257–269**

4. *Synthesis and characterization of three new photo-luminescent cadmium(II) complexes with azide: Variation in molecular structures with changes in the denticity of blocking ligands*

Sumit Roy, **Prasanta Kumar Bhaumik**, Klaus Harms, Shouvik Chattopadhyay\*,  
**Inorganica Chimica Acta 427 (2015) 155–161**

2016/2017 Impact Factor : 2.002

5. *A combined experimental and computational study of supramolecular assemblies in ternary copper(II) complexes with a tetradentate N<sub>4</sub> donor Schiff base and halides*

Anik Bhattacharyya, **Prasanta Kumar Bhaumik**, Antonio Bauza, partha Pratim Jana,  
Antonio Fontera, Michael G. B. Drew, Shouvik Chattopadhyay\*, **RSC Adv. 4 (2014) 58643–58651.**

Impact factor: 3.108

6. *Syntheses, characterizations and crystal structures of nickel(II) and copper(II) complexes with a tridentate Schiff base*

Prasanta Bhowmik, **Prasanta Kumar Bhaumik**, Shouvik Chattopadhyay\*, **J. Indian Chem. Soc., 91 (2014) 2019-2025**

Impact factor: 0.10

7. *Formation of novel cadmium(II) tetrazolato complexes with Schiff bases as co-ligands via in situ [3+2] cyclo-addition*

**Prasanta Kumar Bhaumik**, Sumit Roy, Klaus Harms, Shouvik Chattopadhyay\*,  
**Polyhedron 81 (2014) 168–179**

2016/2017 Impact Factor : 1.926

8. *Synthesis, characterization and DFT study of nickel(II) complexes of a N<sub>2</sub>O donor Schiff base with different pseudo-halides: Formation of supra-molecular architectures by C–H···π interactions*

Subrata Jana\*, **Prasanta Kumar Bhaumik**, Klaus Harms, Shouvik Chattopadhyay\*,  
**Polyhedron 78 (2014) 94–103**

2016/2017 Impact Factor : 1.926

9. *Anion mediated diversity in the nuclearity of nickel(II) complexes with a N<sub>2</sub>O donor Schiff base: Formation of a supra-molecular chain via Br···Br interactions*

Anik Bhattacharyya, **Prasanta Kumar Bhaumik**, Partha Pratim Jana, Shouvik Chattopadhyay\*, **Polyhedron 78 (2014) 40–45**

2016/2017 Impact Factor : 1.926

10. *Variation in molecular and crystalline architectures of di- and poly-nuclear cadmium(II) complexes on changing the denticity of the blocking ligands*

Sumit Roy, **Prasanta Kumar Bhaumik**, Klaus Harms, Shouvik Chattopadhyay\*,  
**Polyhedron 75 (2014) 57–63**

2016/2017 Impact Factor : 1.926

11. *Hydrogen bonding induced lowering of the intra-chain metal–metal distance in single end-on azide bridged one-dimensional copper(II) complexes with tridentate Schiff bases as blocking ligands*

**Prasanta Kumar Bhaumik**, Klaus Harms, Shouvik Chattopadhyay\*, **Polyhedron 68 (2014) 346–356**

2016/2017 Impact Factor : 1.926

12. *Copper(II) complexes with tridentate N<sub>2</sub>O donor Schiff bases: Modulation of crystalline architectures through supramolecular interactions*

**Prasanta Kumar Bhaumik**, Klaus Harms, Shouvik Chattopadhyay\*, **Polyhedron 67 (2014) 181–190**

2016/2017 Impact Factor : 1.926

13. *Syntheses and characterizations of square planar nickel(II) complexes with pendant ligands: Examples of bi-dentate bonding modes of potentially tri- and tetra-dentate Schiff bases*

Subhendu Bag, **Prasanta Kumar Bhaumik**, Subrata Jana, Mithun Das, Prasanta Bhowmik, Shouvik Chattopadhyay\*, **Polyhedron 65 (2013) 229–237**

2016/2017 Impact Factor : 1.926

14. *Counter anion modulated variation of denticity of NNO donor Schiff base in copper(II) complexes: Isolation of a zwitterionic Schiff base as the metal complex*

**Prasanta Kumar Bhaumik**, Klaus Harms, Shouvik Chattopadhyay\*, **Polyhedron 62 (2013) 179–187**

2016/2017 Impact Factor : 1.926

15. *Synthesis and characterization of four dicyanamide bridged copper(II) complexes with N<sub>2</sub>O donor tridentate Schiff bases as blocking ligands*

**Prasanta Kumar Bhaumik**, Klaus Harms, Shouvik Chattopadhyay\*, **Inorg. Chim. Acta 405 (2013) 400–409**

2016/2017 Impact Factor : 2.002

16. *Synthesis and characterization of square planar and square pyramidal copper(II) compounds with tridentate Schiff bases: Formation of a molecular zipper via H-bonding interaction*

**Prasanta Kumar Bhaumik**, Subrata Jana, Shouvik Chattopadhyay\*, **Inorg. Chim. Acta 390 (2012) 167–177**

2016/2017 Impact Factor : 2.002

17. *A novel polymeric copper(II) compound containing peripheral nitro oxygen bridge and  $\mu$ -OH core: An unprecedented tetradentate bonding mode of a potentially tridentate Schiff base*

**Prasanta Kumar Bhaumik**, Shouvik Chattopadhyay\*, **Inorg. Chem. Commun. 22 (2012) 14–17**

Impact Factor: 1.640

➤ **Research Project: NIL**