Curriculum Vitae

Name	**Dr. Bikash Kumar Panda**
Designation	Associate Professor
Department	Chemistry
Institution	Jangipur College
Email	panda_bikas@rediffmail.com

Academic Qualification

Examination	College/University	Year of Passing
B.Sc. (Honours) in Chemistry	BURDWAN UNIVERSITY	1998
M.Sc. in Chemistry	KALYANI UNIVERSITY	2000
NET (National Eligibility Test)	CSIR-UGC	2000
Ph. D. /D. Phil.	JADAVPUR UNIVERSITY (Working Place: IACS)	**12-04-2005** ***[Date of Award]***

Teaching Experience

Organization / Institution	Designation	Duration
Chhatna Chandidas Vidyapith (H.S.)	Assistant Teacher in Chemistry	02.12.2005-23.09.2006
Jangipur College	Assistant Professor in Chemistry	25.09.2006 to 24.09.2018
Jangipur College	Associate Professor in Chemistry	25.09.2018 to Till date

Area of Specialization: Inorganic Chemistry

Thesis Title:
The Chemistry Of Some New Ruthenium and Osmium Organometallics

Research Experience:

- Insertion of various small molecules into M C and M O bonds
- Organometallic Chemistry of Ru and Os
- Transition metal sulfur chemistry
- Photochemistry of ruthenium diimine complexes
- Oxo transfer in rhenium chemistry
- Radical complexes

Publications (*Top Ten*): Published Forty (40) Research Paper in various reputed National and International Journals and Four Books.

Selected Publications:

1. Isonitrile insertion into the Ru–O bond and migratory C–C bond formation. Novel organoruthenium imidic ester and acyl species.

Bikash Kumar Panda, Swarup Chattopadhyay, Kaushik Ghosh and Animesh Chakravorty

Organometallics 2002, **21**, 2773-2780.

ISSN NO: 0276-7333.

2. Chemistry of a new family of aryl ruthenium species incorporating ⟨-diimine chelation and a pendant imine phenol function.

Bikash Kumar Panda, Kaushik Ghosh, Swarup Chattopadhyay and Animesh Chakravorty

Journal of Organometallic Chemistry 2003, **674**, 107-115.

ISSN NO: 0022-328X.

3. Synthesis, structure and properties of biimidazole-chelated arylruthenium complexes.

Bikash Kumar Panda, Suman Sengupta, and Animesh Chakravorty

European Journal of Inorganic Chemistry 2004, 178-184.

ISSN NO: 1099-0682.

4. Rhenium chemistry of azooximes: Oxygen Atom Transfer, azoimine chelation and imine-oxime contrast.

Indranil Chakraborty, **Bikash Kumar Panda**, Jaydip Gangopadhyay and Animesh Chakravorty

Inorganic Chemistry 2005, **44**, 1054-1060.

ISSN NO: 0020-1669.

5. Carbonylation of four-membered ruthenium and osmium metallacycles incorporating an orthometallated phenolic function: New acylruthenium and arylosmium complexes.

Bikash Kumar Panda and Animesh Chakravorty

Journal of Organometallic Chemistry 2005, **690**, 3169-3175.

ISSN NO: 0022-328X.

6. Synthesis and structure of luminescent $Re^{I}(CO)_3Cl$ complexes incorporating pyridyltriazine, pyrazinyltriazine and triazolopyridine chelation.

Samir Das and **Bikash Kumar Panda**

Polyhedron 2006, **25**, 2289-2294.

ISSN NO: 0277-5387.

7. Oximato bridged $Rh^{III}{}_2M^{II}$ and Rh^{III} M^{I} species (M^{II} = Mn, Co, Ni; M^{I} = Cu, Ag).
Indranil Bhattacharyya, Sanjib Ganguly, **Bikash Kumar Panda** & Animesh Chakravorty
Journal of Chemical Sciences 2008, **120**, 87-93. **ISSN NO: 0253-4134.**

8. Synthesis, X-ray crystal structure, DFT calculations, spectroscopic characterization and redox behaviour of a rhodium(III) complex of an anthracene-pyridylhydrazoneligand.
Soumitra Dinda, Sarat Chandra Patra, **Bikash Kumar Panda** and Sanjib Ganguly
Transition Metal Chemistry, **2019, 44, 341-347**
ISSN: 0340-4285

9. **Diarylazooxime complex of cobalt(III):synthesis, structure, ligand redox, DFT calculations and special characteristics.**
Soumitra Dinda, Koushik Sarkar, **Bikash Kumar Panda,** Kausikisankar Pramanik and Sanjib Ganguly
Transition Metal Chemistry, **2022, 47, 31-38.**
ISSN: 0340-4285

10. **N-N hydrazonyl bond cleavage in benzothiazolyl-hydrazino-phenathrenequinone mediated by ruthenium(II) via an anion radical intermediate**
Gopal Konar, Supriyo Halder, Srijita Naskar, Debashis Jana, Arup Sarkar, **Bikash Kumar Panda**, Soumitra Dinda, Kaushikisankar Pramanik and Sanjib Ganguly
Journal of Molecular Structure 2024, 1314, 00

Paper Presented/Attended/Resource Person in Seminar/Conference/Workshops/FDP's (*Top Ten*):

Sl. No.	Title of the paper presented	Title of Conference/ Seminar	Organized by	International/ National/State level
1.	Scenario of Ground Water Pollution by Arsenic in West Bengal	Ground Water Issues & Challenges of the 21st Century (December 29-30, 2014)	Sripat Singh College, Jiaganj, Murshidabad in Association with Dept. of Chemistry (Analytical), University of Kalyani	International
2.	Rhodium Arylazooximates: Design of Binuclear and Trinuclear Systems.	Recent Advances in Chemistry. (December 21, 2015)	Department of Chemistry, Sripat Singh College, Jiaganj,	National Level

			Murshidabad in association with Dumkal College, Basantapur, Murshidabad, W. B.	
3.	A family of $Os^{II}(CO)_2$ aryls bearing a pendant imine-phenol function.	National Seminar on Current Trends in Chemistry-VII (NSCTC-VII).(Feb 24, 2016)	Dept. of Chemistry, University of Kalyani, Nadia, W. B.	National Level
4.	Physico-Chemical Characteristics of Different Water Resources of Malda District.	Recent Trends in Research in Chemical Sciences(August 30, 2016)	Department of Chemistry, Ghatal Rabindra Satabarsiki Mahavidyalaya, Ghatal, Paschim Medinipur, W. B.	National Level
5.	Study of Alkalinity, Hardness, Total Dissolved Solids and Conductivity of Drinking Water at Malda District of West Bengal and its Significance	Two-Days UGC sponsored National Seminar on "Environmental Education-A Need of the Day" (September 23-24, 2016	Department of Chemistry, Physics, Mathematics, Geography & Economics of Bankura Zila Saradamoni Mahavidyapith in Collaboration with Bankura Christian College	National Level
6.	Cross-Fertilization in Core Mathematics.	Emerging Advances in Mathematics & Their Applications in Natural Sciences. (December 17, 2016)	Department of Mathematics, Sripat Singh College, Jiaganj, Murshidabad, W.B.	National Level
7.	Chemistry of a Family of Quinolin-8-thiolato Chelated Osmium(II) Organometallics and Electrogeneration of the EPR active Trivalent Analogue	Two-Days National Conference on Advances in Interdisciplinary Sciences-2017 (January 27-28, 2017)	Science Forum at Bhairab Ganguly College in association with West Bengal State University.	National Level
8.	A Brief Outline of Choice Based Credit System Relating to the Under Graduate Studies	Introduction of Choice Based Credit System (CBCS) at Undergraduate Level (January 7, 2018)	West Bengal College and University Professors Association , Murshidabad District Unit, W. B.	State Level
9.	Study of Meteorological Parameters of the Atmosphere, Iron and Chloride Level in Drinking Water at	Biological Sciences in the New Era: Current Progress and Challenges Ahead	Departments of Botany, Physiology, Zoology and Chemistry,	State Level

	Malda District of West Bengal and its Significance	(January 30, 2018)	Government General Degree College, Kaliganj, Debagram, Nadia, W. B..	
10.	A Study on Thermodynamic Changes during Complexation of p-bromobenzoylthioacetophenone with some Bivalent Metals of First Transition Series	Chemistry Today and Tomorrow (July 26-27, 2018)	Dept. of Chemistry, University of Kalyani, Nadia, W. B.	National Level

Other details(if any):

1. Member of UGBOS (Chemistry) of Kalyani University
2. Life Member of Indian Association for the Cultivation of Science
3. Life Member of the Indian Liquid Crystal Society
4. Life Member of the Indian Crystallographic Association
5. Life Member of the Association of Environmental Analytical Chemistry of India