

## FACULTY PROFILE



1. Name: Dr. Paramita Kar
2. Father's Name: Sri Prasanta Prasad Kar
3. Designation: Assistant Professor
4. Office Address: Bagnan College,  
Khalore, P.O. & P.S. Bagnan, Dist-  
Howrah, Pin Code- 711303, West Bengal
5. Date of Birth: 01/07/1984
6. E-mail ID: [para\\_mita\\_kar@yahoo.co.in](mailto:para_mita_kar@yahoo.co.in)
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8. Academic & Professional Qualification:

Sl. No.	Name of Examination Passed	Institution (Studied/Appeared From)	Name of Board/University/Institution	Year of Passing	Class/Grade
1.	Madhyamik Examination	Siliguri Girls' Higher Secondary School	WBBSE	2000	1st
2.	Higher Secondary Examination	Siliguri Girls' Higher Secondary School	WBCHSE	2002	1st
3.	B. Sc.	Bethune college	University of Calcutta	2006	2nd
4.	M. Sc.	Vivekanada College	University of Burdwan	2008	Ist
5.	PhD	University of Calcutta	University of Calcutta	2013	-----
6.	Postdoc	Hokkaido University	JSPS	2016	

### Professional Training Programmes /Other Certificates:

Sl. No.	Course/Training	Institution	University/Institution	Year	Grade

1.	Faculty Induction Programme	UGC-HRDC,	University of North Bengal, West Bengal	2019	A+
2.	Refresher Course in basic Sciences (Online Mode)	UGC-HRDC,	GURU NANAK DEV UNIVERSITY, AMRITSAR	2020	A+

Teaching Experience:

Sl. No.	Name of College/University	Designation	District	Nature of appointment	Period/Academic Session
1.	Bagnan College	Assistant Professor	Howrah	Substantive Permanent	16 <sup>th</sup> June, 2017 to till date

Publication in Journal:

Sl. No.	Title of article with author name	Name of Journal	Year of publication	Issue, volume, page
1.	Spin-canted anti-ferromagnetic phase transitions in alternating phenoxo- and Carboxylate bridged Mn(III)-salen complexes. <b>Paramita Kar</b> , Pampa M. Guha, Michael G. B. Drew, Takayuki Ishida, Ashutosh Ghosh.	Eur. J. Inorg. Chem.	2011	2075–2085
2.	Structure and magnetic properties of an unprecedented syn-anti $\mu$ -nitrito-1 $\kappa$ O:2 $\kappa$ O' bridged Mn(III)-salen complex and its isoelectronic and isostructural formate analogue <b>Paramita Kar</b> , Rituparna Biswas, Michael G. B. Drew, Yumi Ida, Takayuki Ishida, Ashutosh Ghosh.	Dalton Trans.	2011	40, 3295–3304
3.	A unique example of structural diversity tuned by apparently innocent o-, m-, and p-Nitro	Cryst. Growth Des.	2011	11, 5305–5315

	substituents of benzoate in their complexes of Mn(II) with 4,4'-Bipyridine: 1D ladder, 2Dsheet, and 3D framework <b>ParamitaKar</b> , Rituparna Biswas, Yumi Ida, Takayuki Ishida, Ashutosh Ghosh			
4.	Host-guest supramolecular interactions in the coordination compounds of 4,4'-Azobis(pyridine) with $MnX_2$ ( $X = NCS^-$ , $NCNCN^-$ , and $PF_6^-$ ): Structural analyses and theoretical Study <b>ParamitaKar</b> , Rituparna Biswas, Michael G. B. Drew, Antonio Frontera, Ashutosh Ghosh	Inorg. Chem.	2012	51, 1837–1851
5.	Antiferromagnetic porous metal-organic framework containing mixed-valence $[Mn^{II}_4Mn^{III}_2(\mu_4-O)_2]^{10+}$ units with catecholase activity and selective gas adsorption <b>ParamitaKar</b> , RiteshHaldar, Carlos J. Gómez-García, Ashutosh Ghosh	Inorg. Chem.	2012	51, 4265–4273
6.	Synthesis, structure and alkene epoxidation activity of an alternating phenoxido and formatobridged manganese(III)-salen complex <b>ParamitaKar</b> , Ashutosh Ghosh	Inorg. Chim. Acta	2013	395, 67-71
7.	Formation of two drastically different MOFs based on Mn(II)-benzoate and pyrazine with a change in seasonal temperature: Structural analysis and	CrystEngComm	2013	15, 400–410

	magnetic study <b>ParamitaKar</b> , Yumi Ida, Takayuki Ishida, Ashutosh Ghosh			
8.	Synthesis and characterization of four novel Manganese(II) chains formed by 4,4'-azobis(pyridine) and benzoate or nitrobenzoates: Stabilization of unusual ladder structures <b>ParamitaKar</b> , Michael G.B. Drew, Carlos J. Gómez-García, Ashutosh Ghosh	Polyhedron	2013	50 229–239
9.	Coordination polymers containing manganese(II)-azido layers connected by dipyridyltetrazine and 4,4'-azobis(pyridine) linkers <b>ParamitaKar</b> , Michael G. B. Drew, Carlos J. Gómez-García, Ashutosh Ghosh	Inorg. Chem.	2013	52, 1640–1649
10.	Synthesis, structure and catalase activity of three new manganese(III) complexes with a N,N,O donor Schiff-base ligand <b>ParamitaKar</b> , Michael G. B. Drew, Ashutosh Ghosh	Inorg. Chim. Acta	2013	405, 349-355
11.	Synthesis of mixed-valence hexanuclearMn(ii/iii) clusters from its Mn(ii) precursor: variations of catecholase-like activity and magnetic coupling <b>ParamitaKar</b> , Yumi Ida, Takuya Kanetomo, Michael G. B. Drew, Takayuki Ishida, Ashutosh Ghosh	Dalton Trans.	2015	44, 9795-9804
12.	Colour tuning by the stepwise synthesis of mononuclear and homo- and hetero-dinuclear	Dalton Trans.	2016	45, 14080-14088

	platinum(ii) complexes using a zwitterionicquinonoid ligand <b>ParamitaKar,</b> Masaki Yoshida, Atsushi Kobayashi, Lucie Routaboul, Pierre Braunstein, Masako Kato			
13.	Methanol-Triggered Vapochromism Coupled with Solid-State Spin Switching in a Nickel(II)-Quinonoid Complex <b>ParamitaKar,</b> Masaki Yoshida Yasuhiro Shigeta AkaneUsui Atsushi Kobayashi TakaakiMinamidateNoriaki Matsunaga Masako Kato	AngewandteChemie	2017	129, 2385-2389
14.	Chloranilate bridged dinuclear copper(II) complexes: syn-anti geometry tuned by the steric factor and supramolecular interactions <b>ParamitaKar,</b> Antonio Franconetti, Antonio Frontera, Ashutosh Ghosh	CrystEngComm.	2019	21, 6886-6893
15.	The first alternating Mn <sup>II</sup> -Mn <sup>III</sup> 1D chain: structure, magnetic properties and catalytic oxidase activities SayantanGanguly, <b>ParamitaKar,</b> MaharudraChakrabortya, Ashutosh Ghosh	New J. Chem.	2018	42, 9517 - 9529
16.	Synthesis, structure and phenoxazinone synthase-like activity of three unprecedented alternating Co <sup>II</sup> -Co <sup>III</sup> 1D chains SayantanGanguly, <b>ParamitaKar,</b> Maharudra Chakraborty, Koushik	New J. Chem.	2019	43, 18780-18793

	Sarkar, Ashutosh Ghosh			
17.	Isolation of a novel intermediate during unsymmetrical to symmetrical rearrangement of a tetradentate Schiff base ligand in a manganese(III) complex: Catalytic activity of the rearranged product towards alkene epoxidation Pampa Mukherjee, <b>ParamitaKar</b> , Sandra Ianelli, Ashutosh Ghosh	Inorg. Chim. Acta	2011	365, 318–324
18.	The importance of an additional water bridge in making the exchange coupling of bis( $\mu$ phenoxo)dinickel(II) complexes ferromagnetic Rituparna Biswas, <b>ParamitaKar</b> , You Song, Ashutosh Ghosh	Dalton Trans.	2011	40, 5324–5331
19.	A rare phenoxido/acetato/azido bridged trinuclear and an unprecedented phenoxido/azido bridged one-dimensional polynuclear nickel(II) complexes: Synthesis, crystal structure, and magnetic properties with theoretical investigations on the exchange mechanism Rituparna Biswas, Sandip Mukherjee, <b>ParamitaKar</b> , Ashutosh Ghosh	Inorg. Chem.	2012	51, 8150-8160
20.	A new family of trinuclear nickel(II) complexes as single-molecule magnets Rituparna Biswas, Yumi Ida, Michael L. Baker, Saptarshi Biswas, <b>ParamitaKar</b> , Hiroyuki Nojiri, Takayuki Ishida,	Chem. Eur. J	2013	19, 3943-3953

Ashutosh Ghosh			
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Participation in International, National, State & Regional Level Seminars/Workshops:

Sl. No.	International Seminar/Conference	National Semina/Conference	State level Seminar/Workshop	Regional & Institutional Level seminar/Workshops/Training
Total number of participation	2			
Total number of participation		1		

Papers presented in conferences/Seminars:

Sl. No.	Seminar/Conference	Title of paper/Discussant/Speaker	Institutions Organised	Year
1.	International Seminar	RECENT TRENDS IN MACROMOLECULAR CHEMISTRY	City College	2018
2.	National seminar	Emerging trends in chemical science	Calcutta University	2018
3.	International seminar	Recent advances in Chemistry and material sciences	Indian chemical society	2019