**Dr. BN SARKAR, Asstt. Professor (Stage-2), Gushkara Mahavidyalaya**

1. Name(Block letters) :  **DR. BHOLA NATH SARKAR**
2. Father’s/Mother’s/Husband’s name : **Late MONORANJAN SARKAR**
3. Address for Correspondence(with Pin code) : **Gushkara Mahavidyalaya, Gushkara,**

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1. Educational Qualification:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Examination | Name of Board/Council/  University | Year of Passing | Marks  obtained (%) | Class/grade |
| **M.P** | **W. B. B. S. E** | **1989** | **76.67%** | **I \*** |
| **H. S** | **W. B. C. H. S. E** | **1991** | **66.0%** | **I** |
| **B. Sc.** | **N. B. U.** | **1994** | **53.67%** | **II** |
| **M. Sc.** | **N. B. U.** | **1997** | **69.4%** | **I** |
| **GATE** |  | **2000** |  |  |
| **NET** | **UGC-CSIR** | **2000** | **-** | **CSIR** |
| **Ph. D.** | **B. U.** | **Date of Award: 18/10/2012** | | |

1. Research Degree (s):

|  |  |  |  |
| --- | --- | --- | --- |
| Degree | Name of University | Degree award | Title |
| **Ph. D.** | **The University of Burdwan** | **18/10/2012** | ***Synthesis and characterisation of coordination molecules and supramolecular entities with some 3d/4d ions, N****-****donor ligands and inorganic/organic bridges****”* |

1. List of Publication (**Please See Annexure 1**)

International: 09 National; 0

1. Papers Presented in Seminars/Symposia/Workshop etc.(**Please See Annexure 2**)

International: 0 National: 4 State: 1

1. Participation in Seminars/Symposia/Workshop etc.(**Please See Annexure 3**)

International: 1 National: …9…. State: …10…

1. Membership in Professional Bodies (Please See Annexure 4 )
2. Other highlight(s) if any (Please See Annexure 5 )

**Annexure 1**

1. Synthesis, structure and luminescence behavior of copper(II)cyanato complexes containing N-donor Schiff bases, H. Chowdhury, R. Ghosh, **B. N. Sarkar**, S. P. Banerjee and B. K. Ghosh,  *Indian J Chem.,* 2007, **46A**, 1393-1400.
2. Synthesis, molecular and crystalline architectures, and properties of mononuclear cobalt(II) thiocyanates containing a symmetrical tailored diimine/an unsymmetrical bidentate Schiff base, **B. N. Sarkar**, K. Bhar, S. Kundu, H. -K. Fun and B. K. Ghosh,  *J. Mol. Struct.,* 2009, **936**, 104-111.
3. Classical tetradentate chelation and novel bis(bidentate) congregation motifs of a neutral N-donor Schiff base in dinuclear cadmium(II) complexes: Synthesis, structure and luminescence behaviour, S. Das, **B. N. Sarkar**, K. Bhar, S. Chattopadhyay, H. -K. Fun, P. Mitra and B. K. Ghosh, *Inorg. Chem. Commun.*, 2010, **13**, 353-357.
4. One-pot syntheses and characterizations of [Cd(diik)3](ClO4)2 [diik = N,N′-carbonyldiimidazole] and [Cd(imH)6](ClO4)2 [imH = imidazole]: 2D supramolecular sheet structure in [Cd(imH)6](ClO4)2 through N-H…O hydrogen bonds, **B. N. Sarkar**, K. Bhar, S. Chattopadhyay, S. Laskar and B. K. Ghosh, *J. Indian Chem. Soc.*, 2010, **87**, 425-429.
5. Synthesis, structure and luminescence behaviour of heptacoordinated one-dimensional coordination polymers of the type [Cd(L)(dca)]n(X)n (L = a pentadentate Schiff base; dca = dicyanamide; X = ClO4-, PF6-), **B. N. Sarkar**, K. Bhar, S. Chattopadhyay, S. Das, P. Mitra andB. K. Ghosh, *J. Mol. Struct.,* 2010, **963**, 35-40.
6. Molecular and crystalline architectures of a mononuclear nickel(II) azide compound containing an unsymmetrical bidentate Schiff base, **B. N. Sarkar**, K. Bhar, S. Khan, S. Laskar and B. K. Ghosh, *J. Indian Chem. Soc.*, 2010, **87**, 1041-1045.
7. Synthesis, structure and properties of hexacoordinated compounds of cadmium(II) halides/pseudohalides containing a pentadentate N-donor Schiff base, **B. N. Sarkar**, S. Choubey, K. Bhar, S. Chattopadhyay, P. Mitra and B. K. Ghosh, *J. Mol. Struct.,* 2011, **994**, 306-312.
8. Syntheses, structures and luminescence behaviors of zinc(II) complexes containing a tetradentate Schiff base: Variation of nuclearity and geometry with the change of halide/pseudohalide/carboxylate and counter anion, S. Roy, **B. N. Sarkar**, K. Bhar, S. Satapathi, P. Mitra and B. K. Ghosh, *J. Mol. Struct.,* 2013, **1037**, 160-169.
9. Synthesis, structural characterization and luminescence behavior of a mononuclear zinc(II) iodide complex containing a tetradentate Schiff base, B. N. Sarkar, S. Roy, S. Satapathi, R. Ghosh, K. Bhar and B. K. Ghosh, *J. Indian Chem. Soc.*, 2013, **90**, 1-5.

**Annexure 2**

### Papers presented in Seminars/Symposia/Conferences

1. “Superstructure in a cadmium(II) thiocyanato complex through rare S…π interaction involving chelate loop”, **B. N. Sarkar**, R. Ghosh, H. -K. Fun and B. K. Ghosh, p 17, UGC-Sponsored National Seminar on Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structure Evaluation, 2007, Department of Chemistry, The University of Burdwan, Burdwan, India. (**25-27 April, 2008**)
2. “Benign Synthesis and Characterization of a Series of Coordination Compounds of Nickel(II) Containing Diamine and Dicyanamide”, **B. N. Sarkar** and B. K. Ghosh, UGC-Sponsored National Seminar on “Recent Developments in Green Chemistry (RDGC-2015)”, Department of Chemistry, Gushkara Mahavidyalaya, Gushkara, Burdwan, India. (**22nd March, 2015**) s
3. “Supramolecular Chemistry: Introduction and Concepts”, **B. N. Sarkar,** State Level One Day Seminar on “Recent Trends in Chemical Sciences, RTCS-2015”, Organized by the the Department of Chemistry, Bankura Sammilani College, Bankura, India. (**16th July, 2015**)
4. “Approaches to Green Solvent: A Brief Review**”, B. N. Sarkar,** UGC-Sponsored National Level Seminar on “The Biggest Challenge of Green Chemistry” organized by AKPC Mahavidyalaya, Subhasnagar, Bengai, Hooghly, India.(**8-9 October 2015**)
5. “Metals in Medicine: A Short Account”, **B. N. Sarkar,** UGC-SAP sponsored National Symposium on “Recent Advances in Chemical Research, RACR-2016” organized by Department of Chemistry, Visva-Bharati, Santiniketan, West Bengal, India. (**March 04, 2016**)

**Annexure 3**

**Seminars/Symposia/Workshop attended**

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| --- | --- | --- | --- | --- |
| **Sl No.** | **Name of Seminar/Symposia/Workshop** | **Organized by** | **Venue** | **Date(s)** |
| **1.** | “Einstein and Theory of Relativity: Commemorating a Genius” | Department of Physics, Gushkara Mahavidyalaya | Gushkara Mahavidyalaya | **26th Nov., 2005** |
| 2. | Retraining of College Teachers on ”Development of Scientific Awareness” | Jadavpur University | Dept. of Instrumentation Engineering, JU | **10-11 March, 2006** |
| 3. | Retraining of College Teachers on ”Placement Network Management” | Jadavpur University | Dept. of Mechanical Engineering, JU | **21st March, 2006** |
| 4. | UGC-Sponsored Seminar on “Reactivity of Atoms and Molecules” | Dept. of Chemistry, Durgapur Govt. College | Srijoni Hall, City Centre, Durgapur | **8th Sept., 2006** |
| 5. | Acharya Prafulla Chandra and Chemistry Today | Indian Chemical Society | University College of Science and Tech., University of Calcutta | **15th Sept., 2006** |
| 6. | International Symposium on Current Perspectives in Organic Chemistry | Dept. of Organic Chemistry, IACS, Jadavpur | MLS Hall, IACS, Jadavpur | **7-9 Dec., 2006** |
| 7. | Quantum Simulations on charge defects of water clusters and chains | Dept. of Chemistry, The University of Burdwan | Dept. of Chemistry, BU | **7th Feb., 2008** |
| 8. | An Album of Science | The University of Burdwan | DDE Building, BU | **8th Feb., 2008** |
| 9. | Education: Past and Present | Gushkara Mahavidyalaya | Gushkara Mahavidyalaya | **25th Sept., 2008** |
| 10. | UGC-Sponsored National Seminar on “Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structure Evaluation” | Department of Chemistry, The University of Burdwan, | Department of Chemistry, The University of Burdwan, | **20-22 Feb., 2009** |
| 11. | University Golden Jubilee National Seminar on “Chemistry Today” | Department of Chemistry, The University of Burdwan, | Department of Chemistry, The University of Burdwan, | **18-20 March, 2010** |
| 12. | UGC-Sponsored state Level Seminar on “Tourism: An Activity for Economic and Socio-Cultural Boost” | Dept. Geography, Gushkara Mahavidyalaya | Gushkara Mahavidyalaya | **26th March, 2010** |
| 13. | UGC-Sponsored state Level Seminar on “Bio-Diversity: Issues and Concepts” | Dept of Botany, Gushkara Mahavidyalaya | Gushkara Mahavidyalaya | **27th March, 2010** |
| 14. | National Seminar on “International Year of Chemistry: Chemistry in Our Lives” | Department of Chemistry, The University of Burdwan, | Department of Chemistry, The University of Burdwan, | **15-17 March, 2011** |
| 15. | UGC-Sponsored National Seminar on “Journey of Chemistry Through Life” | Department of Chemistry, Dr. B. N. Dutta Smriti Mahavidyalaya, Hatgobindapur, Burdwan | , Dr. B. N. Dutta Smriti Mahavidyalaya, Hatgobindapur, Burdwan | **23-25 Feb., 2012** |
| 16. | UGC-Sponsored National Seminar on “Frontier in Chemistry” | Department of Chemistry, M. U. C. Women’s College, Burdwan | M. U. C. Women’s College, Burdwan | **4-5 Dec., 2013** |
| 17. | Science Academies’ Lecture Workshop on “Current Trends in Chemistry” | Department of Chemistry, Vivekananda Mahavidyalaya Burdwan | Vivekananda Mahavidyalaya Burdwan | **17-18 Feb., 2014** |
| 18. | National Seminar on “Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structure Evaluation” Department of Chemistry, The University of Burdwan, | Department of Chemistry, The University of Burdwan, | Department of Chemistry, The University of Burdwan, | **19-21 Feb., 2015** |
| 19. | One Day Workshop on “Vishakha Guidelines Awareness Programme” | Bolpur College, Bolpur | Bolpur College, Bolpur | **28 Jan., 2016** |
| 20. | “AAmar Bhavna Aamar Bhashay ” | Gushkara Mahavidyalaya | Gushkara Mahavidyalaya | **22 Feb., 2016** |

Annexure 4

1. Member, Indian Academy of Sciences (Since October 2014)
2. Member, The Indian Science Congress Association (Since July 2015)
3. Member, The Indian Science News Association (Since July 2015)

Annexure 5

1. Obtained and Successfully completed a UG/C-MRP during the period 12/12/2008 to 11/12/2010 [Sanction letter No. F. PSW-011/08-09 (ERO) dated 05-12-2008 (S. No. 88599)]. Title of the project is “Synthesis, structure and properties of dicyanamide and pseudohalide complexes of Zn(II) and Cd(II) with multidentate N-donor ligands” .
2. Teacher-in-charge of Morning Section of Gushkara Mahavidyalaya from 01/12/2006 to 28/02/2009.
3. Members and coordinator(s) of different Sub committees of the college.
4. Convenor, School level and College Level Bigyan Mela-2015 funded by the Govt. of West Bengal which was held on 5-6 February, 2015.
5. Convenor, UGC-Sponsored National Seminar “Recent Developments in Green Chemistry (RDGC-2015)” which was held on 23rd March, 2015.

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