

PERSONAL PROFILE

Personal Details

SHANTANU HAZRA

**ASSOCIATE PROFESSOR,
DEPARTMENT OF CHEMISTRY,
BANKURA SAMMILANI COLLEGE,
KENDUADIHI, BANKURA – 722102**



Date of Birth : 21/09/1972

Educational Qualification : M. Sc., Ph. D.

Permanent Address : 8 Bechu Chatterjee Street, Kolkata - 700009
West Bengal, India

Contact Number : 9433273117

Email : hshantanu@yahoo.com

Date of Joining : 19/02/2003

Areas of Teaching : Inorganic and Analytical Chemistry

Research Interest : Coordination Chemistry

List of Research Papers in National / International Journal

- (i) Variations of structures on changing the ratios of metal ions in rare Ca(II)– Zn(II) hetero-metallic self-assembled coordination polymers of hexamethylenetetramine and benzoate
Shantanu Hazra, Lakshmi Kanta Das, Rahul Bhattacharya, Michael G.B. Drew, Ashutosh Ghosh*
Journal of the Indian Chemical Society 98 (2021) 100097 1-7.
- (ii) Structural variations in self-assembled coordination complexes of hexamethylenetetramine, zinc(II) and carboxylates (RCOO⁻, R = –CH₃/ –C₆H₅): Encapsulation of the water hexamer in benzoate assembly
Shantanu Hazra, Lakshmi Kanta Das, Sanjib Giri, Michael G.B. Drew, Ashutosh Ghosh*
Inorganica Chimica Acta 471 (2018) 691-697



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- (iii) Nickel(II) complexes self-assembled from hexamethylenetetramine and isomeric nitrobenzoates: Structural diversity and supramolecular features
Shantanu Hazra, Saptarshi Biswas, Alexander M. Kirillov, Ashutosh Ghosh*.
Polyhedron 79 (2014) 66–71.
- (iv) Structural variations in self-assembled coordination polymers constructed by some carboxylate bridged di-copper(II) nodes and hexamethylenetetramine spacers
Shantanu Hazra, Subrata Naiya, Biswarup Sarkar, Michael G.B. Drew, Ashutosh Ghosh*.
Polyhedron 65 (2013) 193–199.
- (v) Structural variations in the complexes of cadmium(II), hexamethylenetetramine and 2-, 3- and 4-nitrobenzoates
Shantanu Hazra, Biswarup Sarkar, Subrata Naiya, Michael G.B. Drew, Ashutosh Ghosh*
Inorganica Chimica Acta 402 (2013) 12–19
- (vi) Structural variations in self-assembled coordination complexes of Zn(II) with hexamethylenetetramine and isomeric 2-, 3- and 4-nitrobenzoates.
Shantanu Hazra, Biswarup Sarkar, Subrata Naiya, Michael G.B. Drew and Ashutosh Ghosh*
Polyhedron 46 (2012) 8–15.
- (vii) A self-assembled non-interpenetrating cubic diamondoid coordination polymer of hexamine with linear dicopper spacer: Structural and magnetic studies.
Shantanu Hazra, Biswarup Sarkar, Subrata Naiya, Michael G.B. Drew, Joan Ribas, Carmen Diaz, Ashutosh Ghosh*.
Inorg. Chem. Commun. 14 (2011) 1860–1863.
- (viii) Self-Assembled Molecular Complexes and Coordination Polymers of Cd(II), Hexamine, and Monocarboxylates: Structural Analysis and Theoretical Studies of Supramolecular Interactions.
Shantanu Hazra, Biswarup Sarkar, Subrata Naiya, Michael G. B. Drew, Antonio Frontera, Daniel Escudero, Ashutosh Ghosh*.
Crys. Growth Des. 10 (2010) 1677–1687.

Papers/Posters presented in National / International seminars / conferences / workshop

- (i) U.G.C. Sponsored two-day National Seminar at Panchakot Mahavidyalaya: Resource person in National Seminar from 01/02/2013 – 02/02/2013 entitled “Green Chemistry and Sustainable Agricultural Practices: A Step Towards a Better Future”
- (ii) U.G.C. Sponsored two-day National Seminar at Bankura Zilla Saradamani Mahila Mahavidyapith from 23/09/2016-24/09/2016 entitled “Environmental Education – A



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need of the Day”

- (iii) U.G.C. Sponsored two-day National Seminar at Gurudas College, Kolkata from 09/12/2016-10/10/2016 entitled “Chemistry In Human Life – Current Aspects”
- (iv) U.G.C. Sponsored two-day National Seminar at Sonamukhi College from 22/12/2016-23/12/2016 entitled “Chemistry Today – Nanoworld to Macroworld”
- (v) Government of West Bengal Sponsored One-day State Level Seminar at Bankura Sammilani College on 11/01/2017 entitled “Rural Health Ecology: Issues of Public Health, Nutrition and Fluorosis”
- (vi) Indian Chemical Society sponsored International “Science Seminar” at Burdwan Raj College on 10/10/2017
- (vii) Indian Chemical Society and RSC – Eastern India Section sponsored Two Day National Symposium at Bankura Sammilani College from 18/03/2019-10/03/2019 entitled “Celebrating International Year of Periodic Table – 2019”

National / International seminars / conferences / workshop attended

- (i) Celebration Of Chemistry; Second Scientific Meeting organized by Chemical Research Society of India (Kolkata Chapter) and University of Burdwan at Department of Chemistry, University of Burdwan on 3rd August 2004.
- (ii) 55th BRNS-IANCAS National Workshop on “Radiochemistry and Applications of Radioisotopes” organized by Board of Research in Nuclear Sciences, DAE and Department of Chemistry, University of Burdwan and Academic Staff College, University of Burdwan at Department of Chemistry, University of Burdwan and Academic Staff College, University of Burdwan from 29th October to 6th November, 2004.
- (iii) Seminar on “Challenge to & Prospects of Commerce Education in the Present Scenario” organized by Bankura Sammilani College on 11th November, 2005.
- (iv) U.G.C. sponsored National seminar on “150 Years of the Great Revolt of 1857 and its Relevance in the present Indian Scenario” at Bankura Sammilani College on 18th November and 19th November, 2006.
- (v) U.G.C. sponsored Retraining of College Teachers on “Energy Systems & Climate Change” at Jadavpur University on 10th January, 2007.
- (vi) International Seminar on “Education, Peace & Development” organized by AIFUCTO at Rajendra Bhavan, New Delhi from 9th to 11th March, 2007.
- (vii) U.G.C. sponsored National Seminar-cum-Workshop on “Evaluation System at



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Undergraduate Level” at St. Xavier’s College, Kolkata on 1st and 2nd April, 2007.

(viii) Seminar on “Chemistry Creates A New World” organized by Bankura Christian College at Department of Chemistry, Bankura Christian College on 24th August, 2007.

(ix) Lecture Workshop on “Concepts in Chemistry” sponsored by I.A.Sc. (Bangalore), I.N.S.A. (New Delhi) and N.A.S.I. (Allahabad) at the Department Of Chemistry, Ramananda College, Bishnupur from 28th to 30th September, 2007.

(x) U.G.C. sponsored National Conference on “Windows of Chemistry-1” at Bankura Sammilani College from 7th to 9th February, 2008.

(xi) U.G.C. sponsored National Seminar on “Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structure Evaluation” at Department of Chemistry, University of Burdwan from 25th to 27th April, 2008.

(xii) U.G.C., D.S.T. and Department of Chemistry, University of Calcutta sponsored International Symposium on “Frontiers of Functional Materials” at Saha Institute of Nuclear Physics on 6th and 7th January, 2009.

(xiii) NAAC sponsored National Seminar on “IQAC and Quality Sustenance” at Bankura Zilla Saradamani Mahila Mahavidyalaya on 12th and 13th February, 2009.

(xiv) Seminar on “Report of Yashpal Committee On Higher Education” sponsored by W.B.C.U.T.A. at the University of Calcutta

(xv) U.G.C. sponsored State Level Two-Day Seminar on “The Evolution Of Human Rights In India Through Ages” at Bankura Sammilani College on 10th and 11th February, 2010.

(xvi) U.G.C. sponsored State Level Two-Day Seminar on “Recent Trends In Chemical Science” at Department of Chemistry, Bankura Christian College from 18th and 19th November, 2011.

(xvii) National Level Seminar on “System of Governance in Higher Education” sponsored by W.B.C.U.T.A. and Midnapore College at Shaheed Pradyot Bhattacharyya Smriti Sadan, Midnapore on 8th December, 2012.

(xviii) Resource person in U.G.C. sponsored National Seminar entitled “Green Chemistry and Sustainable Agricultural Practices: A Step Towards a Better Future” at Panchakot Mahavidyalaya on 1st and 2nd February, 2013.

(xix) Internal Quality Assurance Cell, University of Burdwan and Internal Quality Assurance Cell, Sidhu Kanu Birsa University sponsored One-Day Workshop on “Issues of Governance in Higher Education in West Bengal: Research, Promotion and Uniform leave Rules” at University of Burdwan on 15th June, 2013.



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(xx) Department of Parliamentary Affairs, Government of West Bengal sponsored One Day “State Level Workshop On Youth Parliament Competition and Quiz Contest” at Syed Nauser Ali Hall, Assembly House, Kolkata on 31st October, 2013.

(xxi) National Level One Day Seminar on “Trends in Contemporary Indian Historical Studies : Crises and Transition” sponsored by W.B.C.U.T.A. and W.B.S.U.T.A at Tarun Sengupta Smriti Bhavan, Birati, North 24 Parganas on 20th December, 2014.

(xxii) One Day Seminar on “Modern Trends in Chemical Sciences” organized by Bankura Christian College at Department of Chemistry, Bankura Christian College on 17th December, 2014.

(xxiii) One Day State Level Seminar on “Recent Trends in Chemical Sciences” sponsored by Bankura Sammilani College at Bankura Sammilani College on 16th July, 2015.

(xxiv) Department of Parliamentary Affairs, Government of West Bengal sponsored One Day “State Level Workshop On Youth Parliament Competition and Quiz Contest” at Syed Nauser Ali Hall, Assembly House, Kolkata on 4th August, 2015.

(xxv) U.G.C. and Department of Environmental Science, University of Burdwan sponsored National Level Two Day Seminar on “The Biggest Challenge of Green Chemistry: To Use Its Rule In Practice” at A. K. P. C. Mahavidyalaya, Bengai, Hooghly on 8th and 9th October, 2015.

(xxvi) Department of Parliamentary Affairs, Government of West Bengal sponsored One Day “State Level Workshop On Youth Parliament Competition and Quiz Contest” at Syed Nauser Ali Hall, Assembly House, Kolkata on 22nd August, 2016.

(xxvii) U.G.C. Sponsored National Seminar at Saldiha College in collaboration with Bankura Sammilani College entitled “Chemistry on Its Way: Impact on the Environment” at Saldiha College on 1st September, 2016.

(xxviii) Science Academics’ Lecture Workshop on “Emerging Trends in Chemistry and its Pharmaceutical Applications” at Bankura Sammilani College on 19th, 20th and 21st January, 2018.

(xxix) One Day Awareness Program on “Intellectual Property Rights” sponsored by Bankura Sammilani College at Bankura Sammilani College on 7th September, 2019.

Research projects



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UGC Minor Research Project entitled “Supramolecular Assemblies Constructed by Hexamine and Various Metal salts: Structural Analysis and Theoretical Studies” [Reference: PSW-006/10-11 ERO] - (Principal Investigator) – Completed

Faculty Development Courses / Programs attended

Sl. No.	Program	Duration	Organized by
1.	Special Winter School	02/02/17 – 22/02/17	Human Resource Development Centre, University of Calcutta
2.	Refresher Course in Chemistry	22/11/10-11/12/10	Academic Staff College, University of Calcutta
3.	Refresher Course in Chemistry	22/08/08-11/09/08	Academic Staff College, University of Calcutta
4.	Orientation Course	18/07/07-14/08/07	Academic Staff College, University of Calcutta

Extra Curricular Activities

