

Alokesh Hazari

Assistant Professor, Department of Chemistry
Government General Degree College, Singur

Educational qualifications:

B. Sc. (Chemistry Hons.), Ramakrishna Mission Vidyamandira, Belur math, Howrah.
University of Calcutta, 2009

M. Sc. (Chemistry), IIT-Bombay, 2011

Teaching Experience:

Assistant Professor (2015-till date) under W.B.E.S. (at Government General Degree College Singur, Hooghly-712 409)

Area of specialization / interests:

Inorganic Chemistry

Synthesis, structural characterization, spectral, electrochemical and variable temperature magnetic study of homo- and hetero-polynuclear coordination complexes of 1st row transition metals (mostly Cu(II), Ni(II), Fe(II/III) Co(II/III), Mn(II/III) bridged by azido, phenoxo, thiocyanato, carboxylato etc...).

Publications in journals:

1. The influence of H-bonding on the 'ambidentate' coordination behaviour of thiocyanate ion to Cd(II): A combined experimental and theoretical study.

A. Hazari, L. K. Das, A. Bauzá, A. Frontera and A. Ghosh, *Dalton Trans*, 2014, **43**, 8007–8015

2. Trinuclear complexes of [CuL] (H₂L = N,N'-bis(salicylidene)-1,4-butanediamine) with HgX₂ (X = N₃⁻ and NCO⁻): Facile crystallization with Z' = 1 and Z' = 0.5 for both complexes.

A. Hazari and A. Ghosh, *Polyhedron*, 2015, **87**, 403–410.

3. Unprecedented structural variations in trinuclear mixed valence Co(II/III) complexes derived from a Schiff base and its reduced form: Theoretical studies, pnictogen bonding interactions and catecholase-like activities

A. Hazari, L. K. Das, R. M. Kadam, A. Bauza, A. Frontera and A. Ghosh, *Dalton Trans*, 2015, **44**, 3862–3876.

4. Exploring the coordinative adaptation and molecular shapes of trinuclear Cu^{II}₂M^{II} (M = Zn/Cd) complexes derived from salen type Schiff bases: structural and theoretical studies

A. Hazari, L. K. Das, A. Bauzá, A. Frontera and A. Ghosh, *Dalton Trans.*, 2016, **45**, 5730–5740.

5. Unusual site selection of NCS⁻ in trinuclear complexes of Cu(II) and Ni(II) with a reduced N₂O₂ donor Schiff base: Structural, theoretical and magnetic studies

A. Hazari, S. Giri, C. Diaz and A. Ghosh, *Polyhedron*, 2016, **118**, 70–80.

6. Mixed valence trinuclear cobalt (II/III) complexes: Synthesis, structural characterization and phenoxazinone synthase activity.

A. Hazari, A. Das, P. Mahapatra and A. Ghosh, *Polyhedron*, 2017, **134**, 99–106.