

TEACHER'S PROFILE



- ❖ NAME OF THE TEACHER: DR. KINJALKINI BISWAS
 - ❖ AGE: 54
 - ❖ SEX: FEMALE
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 - ❖ CONTACT NUMBER: 8017450937
 - ❖ QUALIFICATION: M.Sc in Chemistry and P.HD
 - ❖ DATE OF JOINING IN THE COLLEGE: 02.07.2015
 - ❖ PRESENT DESIGNATION: PRINCIPAL
 - ❖ SPECIALIZATION: INORGANIC CHEMISTRY
 - ❖ RESEARCH WORK/ PROJECT : 1. Determination of various extraction equilibrium parameters of Iridium(III)-benzo-hydroxamic Acid system in isobutyl alcohol from aqueous chloride medium.
2. Effects of solvents on extraction of palladium with 5,8- Di ethyl- 7- Hydroxy-Dodecan- 6-one-oxime from aqueous chloride medium(HYDROMET-90)
 3. Solvent extraction of Ruthenium(III) from Chloride solution with cinnamoylhydroxamic acid in iso butyl alcohol(J.Indian Chem. Soc.)
 4. Liquid liquid extraction –separation of Iridium in presence of rhodium and ruthenium with salicylhydroxamic acid in iso butanol(Indian journal of chemistry)
 5. Solvent extraction equilibria of palladium(II) complex with 5,8- di ethyl - 7- hydroxy dodecan-6- one oxime in seven organic diluents(Indian journal of chemistry)
 6. Insitu reduction kinetics of NiCl_2 in SiO_2 gel matrix(Journal of Material

Research),

7. Synergistic Extraction Behaviour of Benzophenyl Hydro-xylamine complex with TRI-n-OCTYL phosphine Oxide in Chloroform.(proc. Indian Natn.sci.Academy,60A, No.3,1994,pp.543-549.
8. Studies on the recent development of extractants for nickel and cobalt. (National symposium on Organic Reagents synthesis and use in Extractive Metallurgy, BARC)
9. Synthesis of some metal specific reagent ketone, imine and their application in the liq-liq extraction system. (Presented in 48th ATM 94'94, Visakhapatnam.)
10. Effect of concentration of HCL, gelatin and leaching time on the preparation of gel nickel monolith via sol-gel route. (Presented in the 82nd session of Indian Science Congress, Materials Science Section on Jan. 3-8, 1995, Calcutta.)
11. In situ reduction of alkaline tungstates and molybdates in SiO₂ gel matrix. (Presented in 48th Annual Technical Meeting, I.I.M. Calcutta. Chapter.)
12. Process Characterisation of transition metal gel nanocomposite (Presented in National Seminar 24-25 March 1995, Jadavpur University)
13. In situ preparation of SiO₂- WC Nanocomposite through sol-gel route. (Ceramic Society. Vol 58(3). May-June 1999.
14. Optimisation of reduction parameters of NiCl₂ to Ni in Gel matrix. (J.Indian Chem. Soc., Vol 83, March 2006, 224-228.
15. Development of metal specific Reagents for Nickel and Cobalt extraction (Journal of Ultra Chemistry, Vol. 2(1), 75-84(2006).

JOURNALS OR PUBLICATIONS : ***Papers Published in Peer Reviewed Journals: International***

1. Preparation of Cobalt, Iron nanocomposites in silica gel matrixes.

(Materials Letters, Elsevier, North Holland)

2. Statistical optimization of the design of the design of experiments for Ni-

SiO₂ nanocomposites by insitu reduction treatment. ('INTERCERAM",

Germany)

3. Isothermal in situ reduction kinetic analysis of Ni Cl₂ containing

gel.(Bull.Master.Sci.,Vol.16)

4. Preparation of silica monolith via sol-gel route..(Bull.Master.Sci.), etc.

NATIONAL / INTERNATIONAL SEMINARS ATTENDED : Workshop on NAAC Assessment and Accreditation: Implementation at the Institution Level, organized by Internal Quality Assurance Cell, Ramakrishna Mission Vidyamandira with Financial Support from department of Higher Education, Govt of West Bengal,13-14 July,2015

UGC sponsored State Level Seminar on Women's Empowerment and New Media, organized by Shri Shikshyantana College in Collaboration with Muralidhar Girls' College, 18th September, 2015

Workshop for Orientation/Awareness programme on NAAC accreditation, organized by the West Bengal State Council of Higher Education in Collaboration with Calcutta University, 14.October,2015

UGC- Sponsored State Level Seminar on "SUNDARBANS- THE ENDANGERED ECOSYSTEM", held on 6th February, 2016, organised by the Departments of Botany & Geography of Muralidhar Girls College, kolkata, in collaboration with the department of Botany of Sivanath Sastri College, kolkata