

**FACULTY PROFILE**  
**GOBARDANGA HINDU COLLEGE**  
**CHEMISTRY DEPARTMENT**



1. **Name:** Dr. SAMIR BISWAS

2. **Designation:** Associate Professor

3. **Specialization:** Inorganic Chemistry

4. **Phone No:** 8001852719

5. **Educational Degree:** PhD in Science

6. **Teaching Experience:**

A. GOBARDANGA HINDU COLLEGE, Department of Chemistry [1994- Till now]

Course Name: Inorganic Chemistry [Undergraduate; B.Sc]

B. INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR, Department of Chemistry [1985-1989]

Course Name: Inorganic Chemistry [Undergraduate; B.Tech and B.Sc]

7. **Academic Achievement (Awards):** NA

8. **Research Experience (If Applicable):**

A. Institution /University/ Others: Indian Institute of Technology Kharagpur, INDIA

B. Year: 1983-1988

C. Title of the topic: Preparation and characterization of chalcogenide solid thin film as semiconductor

9. **Project (If Applicable):** NA

10. **Professional Experience (If Applicable):**

RESEARCH ASSOCIATE

• Institution /University/Others: Indian Institute of Technology Kharagpur, INDIA

• Year: 1988-1990

• Title of the topic: Preparation and characterization of superconductor by chemical method

11. **List of Publication:**

1. **S. Biswas**, A. Mandal. D. Mukherjee and P. Pramanik "A chemical method for deposition of bismuth sulfide thin film" **J. Electrochem. Soc.** **133**, (1986), **48**

2. **S. Biwas**, P. Pramanik, P.K Basu "A colution growth technique for the preparation of zinc sulfide thin flims" **Material Letter**, **4**, (1986), **81**.

3. P. Pramanik, **S. Biswas** "Deposiontion of zinc selenide thin flims by solution growth techniques" **J. Electrochem. Soc.** **133**,(1986), **350**.

4. P. Pramanik, **S. Biswas** "Deposition of nickel chalcogenide thin flims by solution growth techniques" **J. of Solid-state chem.** **65** (1986), **145**.

5. P. Pramanik, P.K.Basu, **S.Biswas** "Preparation and characterization of chemically deposited tin (II) sulfide thin flims" **Thin solid films** **151** (1987), **269**.

6. P.Pramanik, **S. Biswas**, D.Sen, S.K Ghatak, T.K. Dey and K.L Chopra “Preparation of  $\text{YBa}_2\text{Cu}_3\text{O}_x$  by coprecipitation techniques using triethylammonium oxalate as precipitating agent” **Proceeding of the workshop on high temperature superconductors Srinagar ,India, May 2-4, 1988 (57)**.
7. P.Pramanik, **S. Biswas**, D. Bhattacharya, D.Sen, S. Ghatak, T.K.Dey and K.L Chopra “ Preparation of superconducting ceramic oxides by coprecipitation of metal ion oxalates using triethylammonium-oxalate from mixed solvent” **Reviews of solid state Science Vol. 2. No. 2 & 3 (1988), 157-169**.
8. P.Pramanik, **S. Biswas**, C, Singh, D. Bhattacharya, T.K. Dey, D.Sen, S.K. Ghatak, and K.L. Chopra “ Coprecipitation method for preparation of superconducting  $\text{YBa}_2\text{Cu}_3\text{O}_x$  compounds” **Mat. Res. Bull. Vol. 23, pp 1693-1698, 1988**.
9. P.Pramanik, B.K Roul, S. Chakrabarti, **S. Biswas**, D. Bhattacharya and K.L chopra, “Coprecipitation route of ceramic superconductors” **Studies of high temperature superconductors Vol. 2, Narlikar, A.V (Ed) 1989 (pp.241) Novo Science publisher, N.Y**.
10. P.Pramanik, **S. Biswas**, S. Chakrabarti, B.K.Raul, D. Bhattacharya, T.K. Dey, S.K. Ghatak, and K.L. Chopra “ Novel method of preparation of mixed superconductors using organic carbonates” **Int. conf. ICSC-Bangalore Jan. 1990 (Pr4.7)**.
11. P. Pramanik, **S. Biswas**, P.K Base and A. Mandal “ A chemical method for the preparation of lead selenide thin flims” **J. materials. Sc. Let. (1990) 1120**.
12. P. Pramanik, **S. Biswas**, S. Chakrabarti, B.K. Raul and K.L Chopra “ Rare-earth based superconductors by organic carbonate coprecipitation” **J. Mat. Res. Bull. 1990**.