

Name: Soumyajyoti Kabi,

Dept. of Physics,

Hijli College,

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Hijli Co-operative society, Kharagpur-721306

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Soumyajyoti Kabi

Current Position: Assistant Professor and HOD Physics at Hijli College.

Past Positions:

Aug. 2013 - Dec. 2014: Assistant Professor in Physics at Sikkim Manipal Institute of Technology (*Sikkim Manipal University*), Majitar, East Sikkim.

July 2012 - Aug. 2013: Research Associate in *Indian Association for the cultivation of Science*, Jadavpur, Kolkata.

Teaching Experience: 5 years and continuing (At PG and UG level).

Teaching Area:

UG: Mathematical methods, Electricity Magnetism, Thermodynamics, Statistical Mechanics, Classical Mechanics, Quantum Mechanics, Solid State Physics, etc.

PG (As visiting lecturer in Belda College): Mathematical Methods, Classical Mechanics, Statistical Mechanics.

Academic Responsibilities: Paper setter and Examiner of different Autonomous Colleges and distance learning Universities.

Post PhD Research Experience: continuing from 2012 till date.

h-index = 8

Total Citation = (source: <https://scholar.google.co.in/citations?user=8omsgkMAAAJ&hl=en>)

Research interest:

1. Structural, optical and electrical properties of superionic glasses, mixed former glasses and glass nano-composites. Correlation of structural and electrical properties of these materials.
2. Cathode and electrolyte materials for solid state batteries.
3. Impedance spectroscopy.

Project:**UGC Minor Research Project (2017-19):**

Proposal No. F. PSW-215/15-16 dated 19.12.16

Title: Investigation structural and electrical properties of some glassy materials

Publication in Journal: <https://scholar.google.co.in/citations?user=8omsgkMAAAAJ&hl=en>

Research Skills:

1. Preparation of glasses and glass nanocomposites.
2. Preparation of cathode materials.
3. Structural and physical study of materials by different experimental techniques such as XRD, SEM, TEM, FT-IR, UV, PL, DSC etc.
4. Dc and ac electrical measurement of samples by dc electrometer and LCR meter respectively.
5. Analysis of dc and ac conductivity data using different theoretical models.

Awards/Fellowship:

1. Outstanding Paper and Best presentation award in 24th West Bengal State Science and Technology Congress, 1st March, 2017, Science City, Kolkata.
2. Recipient of Young Researcher Supporting Program (SSI-19 YRSP, 2013) sponsored by the International Society for Solid State Ionics (ISSI) to attend 19th International conference on Solid State Ionics held in Kyoto, Japan in June, 2013.
3. Travel grant from DST, CSIR, CICS to present oral presentation in international conference XIII-PNCS held in Yichang, China from 16th to 20th Sept. 2012.
4. Research Associateship of IACS (DST) from July 2012.

5. Best poster award in international conference on specialty glass and optical fiber (ICGF-2011), Aug 4-6, 2011 at Central Glass and Ceramic Research Institute Kolkata.
6. Senior research fellowship of IACS (DST) in 2009-2012.
7. Junior research fellowship of IACS (DST) in 2009 (For five months).
8. Junior research fellowship under RCI (DRDO) in 2007-2009.
9. GATE exam qualified in 2007.
10. NET exam qualified in 2006.

Administrative Responsibilities:

1. Member of the Governing Body, Hijli College
2. Coordinator, Admission Committee
3. Coordinator, Vigyan Parishad
4. Joint Coordinator IQAC

Education:

1. Ph.D. in Physics (16 July 2007-12 July 2012).

Dissertation Title: “Study of Structural and Electrical properties of Cathode Materials and Glassy Electrolytes”.

Institute: Indian Association For The Cultivation Of Science

University: University of Calcutta

Dissertation Advisor: Prof. A. Ghosh (<http://www.iacs.res.in/ssp/sspag/>)

2. M. Sc. in Physics (2004-2006), University of Burdwan.

Specialization: Laser Physics

Percentage of marks: **68.33**

3. B. Sc. in Physics (2001-2004), Burdwan Raj College, University of Burdwan.

Percentage of marks: **67.00**

4. Higher Secondary Exam (2000), Kamalpur Netaji High School, Bankura (W. B),

Board: W. B. C. H. S. E,

Percentage of marks: **80.20**

5. Secondary Exam (1998), Parbelia Colliery High School, Purulia (W. B),

Board: W. B. B. S. E

Percentage of marks: **90.38**

Exam qualified (All India basis): NET (2006) and GATE (2007)

Personal Details:

Name: Soumyajyoti Kabi

Father's Name: Swapan Kabi

Date of birth: 30.03.83

Present Address: Flat no. 301, Block A, Diamond Tower 2, Barabetia,
Post Changual, Kharagpur-721301

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Mobile No: 09932910464

Nationality: Indian

Caste: General

Marital status: married

The hereby declare that all information given above is true to the best of my knowledge

(Dr. Soumyajyoti Kabi)