



# SUJAY KUMAR SINGHA

Cambridge Assistant Coordinator, Science H.O.D

M.Sc in Chemistry, B.Ed

Indian Institute of Technology (IIT-ISM), Dhanbad

## Contact

### Residential Address:

Queen residency  
Riverside Avenue, Salbari,  
Siliguri, West Bengal – 734002

### Permanent Address:

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## Core Teaching Skill

- Coursework Design
- Positive classroom atmosphere
- Teaching, tutoring, learning.
- Interactive Learning
- Differentiated Instructions
- Assessments
- Individual Instructions
- Class Motivation
- Special Needs
- Classroom Administration

## Achievements

- ✚ WBJEE (2010) qualified.
- ✚ IIT JAM (2014) qualified.
- ✚ GATE (2016) qualified.
- ✚ OTET (2019) Paper I & Paper II qualified.

## Objective

To build a career in an esteemed institution that will allow me to use my teaching skills for the development of my students to enhance their performances.

## Key Contribution

- Effectively able to plan classroom lectures and prepare learning assessments in advance.
- Ability to conduct interactive learning sessions and manage the class properly.
- Ability to maintain classroom discipline and give individual student equally.
- Exceptional teaching skills that ensure students grasp the concepts easily.
- Excellent ability to understand and guide students appropriately.
- Ability to solve doubts and queries of students.
- Good communication and interpersonal skills.
- Proficient in using computer and digital technology in education.
- Possess a self-motivated and enthusiastic attitude to interact with students and parents.
- Hardworking, dedicated, and passionate about teaching.

## Educational Qualification

### ❖ Highest Qualified degree-

#### Master of Science in Chemistry

INDIAN INSTITUTE OF TECHNOLOGY (IIT-ISM)

2014-2016

First class

### ❖ Professional Qualified Degree-

#### Bachelor of Education

THE WEST BENGAL UNIVERSITY OF TEACHERS' TRAINING,  
EDUCATION PLANNING AND ADMINISTRATION (WBUTTEPA)

2017-2019

First class

### ❖ 2nd Bachelor Degree-

#### Bachelor of Library & Information Science

NETAJI SUBHAS OPEN UNIVERSITY

2019-2020

First class

## Languages

- Bengali
- Hindi
- English

## Seminars attended as a student.

- ICC (Indian council of chemists) conference 15<sup>th</sup> to 17<sup>th</sup> December. 2014
- Seminar on Astrophysics system-2012.
- Seminar on SOLAR system-2010.

## Community involvement as a student.

- Classroom volunteer, Aiho High School (H:S).
- Educational Tour, IISER, Kolkata.
- Educational Excursion, Habibpur teacher training college.
- Flood relief Campaign, Bulbulchandi, Malda, West Bengal.

## Computer Proficiency

- ✚ Basic computer
- ✚ DIT
- ✚ Video editing.
- ✚ **Operating system:** windows XP, windows 7, windows 8.1 and windows 10.

## Professional Experience

### ❖ AS A PGT TEACHER:

#### **Campion International School Salbari, Siliguri.**

**CBSE affiliation Code – 2430218**

**CIAE Centre Code – IN609**

- PGT Chemistry, handling classes **VIII to XII (Stage 9, IGCSE, AS Level, A Level) in Cambridge board (CAIE)** and **classes XI, & XII - Chemistry in CBSE**. Adding to it, I am **Science HOD and Cambridge assistant coordinator** for the last **3** years.
- **I am a trained, certified Cambridge Chemistry teacher.**

### ❖ AS A CAMBRIDGE ASSISTANT COORDINATOR:

- Training Cambridge teachers before board examination.
- Trained for marking Cambridge answer sheets.
- Successfully conducted Cambridge board examinations.

### ❖ AS A SCIENCE HOD:

- Blueprint for question papers for classes I to XII (CBSE).
- Teachers' lesson plan checking.
- Question paper corrections and submission to IT department.

### ❖ AS A TUTOR:

- I taught **Graduate students** in **Inorganic Chemistry**.
- Taught **high school students** in **Chemistry** (IITJEE, NEET, CBSE, ICSE, WBJEE, WBCHSE, WBBSE and so one).  
7+ years' experience

### ❖ TEACHING INTERSHIP:

- Worked as a high school student teacher in Aiho High School, West Bengal for 4 months.

## Routine-Making Experience

- As a teacher, I have an extensive experience in routine-making under the guidance of our Principal ma'am for the entire school, which includes all class wise and individual routine of teachers.

## Laboratory Experience

### ❖ **Published paper:**

- Green synthesis and catalytic application of curcumin stabilized silver nanoparticles. A D VERMA, N JAIN, S K SINGHA, M A QURAIISHI and I SINHA *J. Chem. Sci. © Indian Academy of Sciences*. DOI 10.1007/s12039-016-1189-7

### ❖ **Summer Project works in M.Sc (IIT BHU):**

- Synthesis of magnetite nanocomposite and its characterization.

### ❖ **Project works in M.Sc (IIT-ISM, DHN):**

- Dextrin and its graft co-polymer used as a corrosion inhibitor for mild steel in 15% HCL medium.

## School seminars/ events attended as a teacher.

- Tata classedge Training
- Career Vista 1.0
- Career Vista 2.0
- Christmas celebration.
- Inter House Competitions.
- Career fair 2022.

## Community involvement as a teacher.

- **Vidyarthi Vigyan manthan** – Examination Coordinator.
- **Inter School National Science Day celebration at Olivia Enlightened English School.**
- Science exhibition at School.
- Science quiz competition.
- Intra School Art exhibition
- Intra School Craft work / Rangoli competition.
- Intra School National Science day /yoga day celebration.
- Children's day celebration.
- Intra School Republic day / Independence day celebration.

## Routine -making Experience.

### Two years' experience –

- Class routine
- Teachers' personal routine
- School (PT/MT/FT) examination routine.
- Cambridge Final (Board exam) examination routine.

### ❖ As a PGT teacher:

- Laboratory setup experience for CBSE classes and CAMBRIDGE classes. As the school's newly affiliated CBSE classes XI-XII, I have done the whole laboratory setup, from chemical orders to lab equipment.

## Board Exam - Invigilation and Answer sheet Correction Experiences

### 1. Cambridge Board Duties (Invigilation / Evaluation):

- Invigilated seven series of Cambridge examinations. (2020-2023)
- Corrected 5 components of Chemistry answer sheets (2020-2023)

### 2. CBSE Board Duties (Invigilation / Evaluation):

- Invigilated board examinations. (2020-2023)
- Corrected answer sheets (Board exam) - Science / Chemistry answer sheets for classes X (two times) and XII (two times)- (2020-2023)

## Cambridge trainings (CERTIFIED)

1. Introductory Cambridge International AS & A Level Chemistry (9701) 2022-2024 syllabus.
2. Extension Cambridge International AS & A Level Chemistry (9701) 2019-2021 syllabus.
3. April Marking Workshop Cambridge International AS & A Level Chemistry (9701) 2022-2024 syllabus.

## CBSE trainings (CERTIFIED)

1. Stress Management
2. Enhancing Practical Skills and Projects in Science (IX-X)
3. 21st Century Skills
4. Digital Learning and Management
5. Salient Features of National Education Policy 2020
6. Experiential Learning in Practice
7. Focusing on Competency Based Education
8. Developing Scientific Temperament
9. Understanding Multiple Intelligence
10. Teaching Strategies in Science (Secondary Level)
11. Values Education and its Significance
12. Connecting and Communicating with Parents
13. Teaching and Learning Styles
14. Selection of Effective Teaching-Learning Material
15. Decision Making Skills in Adolescents
16. Blooms Taxonomy and its Application
17. Effective Communication Skills
18. Using Teacher Energized Resource Manual - Science Secondary
19. Child Psychology - Understanding Developmental Stages
20. Developing Resilience in Students
21. Art Integration in Schools
22. Life skills

## Other Certifications

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- ICC (Indian council of chemists)-2014.
- Summer project work (IIT-BHU)-2015
- Project work in M.Sc (IIT-ISM, DHN)-2016
- Science Aptitude Test-2003
- DIT-2017

## Online/ Offline teaching tools and websites

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- ❖ **Wacom Pen tab** for online teaching and writing.
- ❖ Tata ClassEdge,
- ❖ **Phet website** for Science simulations.
- ❖ Cambridge support hub.
- ❖ Royal society of Chemistry (RSC)
- ❖ **OLabs** – for practical videos.
- ❖ Digital Smart Board.
- ❖ Ptable.Com
- ❖ Diksha Portal
- ❖ Khan academy
- ❖ Self-made PPT and so one.

## Hobbies

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- Reading Books & Newspapers
- Internet surfing (Educational Site)
- Listening Music
- Playing Cricket

## Cambridge Workshop/Webinar/Seminar/ inspection

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1. Cambridge Inspection - March series examination 2023.
2. Cambridge Virtual workshops – Chemistry (0620)
3. Cambridge IGCSE™ ICT Workshop.

## CBSE Workshop/Webinar/Seminar/Pledge

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1. Career Pathways in Modern Chemistry.
2. Pariksha pe Charcha 2022.
3. RSC (Royal Society of Chemistry) - Yusuf Hamied Inspirational Science Programme.
4. Vigyan prasara.
5. NCB - Say yes to Life, No to Drugs.
6. CVC – Integrity Pledge.
7. 'Integral and Encourage Yoga through Life' Pledge.
8. Shiksha Sankalp.

## Other trainings (CERTIFIED)

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1. AI Integrated Multi – Disciplinary Pedagogies
2. CSIR Jigyasa 2.0 – Scientists and Science teachers Conclave.
3. CSIR Jigyasa virtual Laboratory – Scientists and Science teachers Conclave.
4. CEA – Innovative teaching strategies & thinking skills.
5. Tata ClassEdge Classroom Championship VI Edition on Virtual Teaching.
6. Tata ClassEdge Classroom Championship VII Edition on Virtual Teaching.
7. Teaching for effective Learning.

## Career Summary

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Seeking a full-time career as a PGT teacher where I can employ my skills and knowledge for imparting education to students and prepare them for higher studies.

## References

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Mrs. Tamali Podder  
Former Principal of Campion International School, Siliguri.  
Phone No: 9733028900

Mr. Paranjay Saha  
Academic Coordinator, Exam Coordinator and H.O.D- Chemistry.  
G. D. Goenka Public School, Siliguri.  
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