

NIKITA SHAW

Contact Information

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Professional Summary

Adept at fostering student engagement and understanding through 5 years of effective teaching in chemistry, demonstrating strong verbal communication and problem-solving skills. Passionate about lifelong learning and collaborative teamwork to drive innovative research and educational outcomes. Dynamic research professional with extensive experience in nanoscience and a proven track record in utilizing advanced laboratory techniques, including UV-visible spectrophotometry and chromatography.

Skills

Open-minded, Career-oriented, Problem-solving, Verbal communication, Written communication, People skills, Willingness to learn, Enthusiastic, Team facilitation, Hardworking, Passion to learn, Positive attitude, Quick learner, Teaching experience, Home tutoring, PGT in Chemistry

Experience

Teaching Experience

- 3 years of home tutoring for 10th & 12th board students, NEET aspirants.
- 1 year as PGT - Chemistry at Jawahar Navodaya Vidyalaya (JNV), Arunachal Pradesh, Assam.
- 1 year as PGT - Chemistry at Shree Dadiji Mandir Trust Prabhavati Public School (SDMTPPS), Odisha.

Research Experience

Centre for Research in Nanoscience and Nanotechnology, CRNN, University of Calcutta.

- Research in quantum dots.
- Hands-on experience with instruments like UV-visible spectrophotometer, FTIR, Fluorimeter, Rotary evaporator, column chromatography, centrifuge machine.

Education

- SSC (WBBSE, 2013) - 85.57% - Subjects: Science, Maths, History, Geography, English, Bengali.
- HSC (WBCHSE, 2015) - 85.40% - Subjects: Physics, Chemistry, Maths, Biology.
- B.Sc (Hons.) in Chemistry (BRSNC, 2015-2018) - Additional: Physics, Maths.
- M.Sc in Chemistry (WBSU, 2018-2020).
- B.Ed (WBUTTEPA, 2020-2022).

Exams Qualified

IIT-JAM, DU (M.Sc Entrance Exam), GATE, BARC (TSO), TIFR (GS), CSIR-NET, CTET (Paper-II).

Training

Research Related:

- Summer School at Centre for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta.
- National webinar on 'Aspects of Material Chemistry in Modern Times'.
- National webinar on 'Research Methodology'.
- International webinar on 'Energy and Environment'.
- Online awareness pledge on COVID-19 'Fight Against Coronavirus'.
- Online webinar on 'Electrochemical Biosensors: Fundamental and Practical Applications'.
- International Virtual Conference on 'Modern Instrumental and Characterization Techniques in Applied Sciences'.
- National Seminar cum Workshop on 'International Year of Light and on Light-Based Technologies - 2015'.

Teaching Related:

- Learning Outcomes and Pedagogies (1-day, 14/04/2024) - Conducted by CBSE.
- National Intellectual Property Awareness Mission (28/08/2024) - Organized by Intellectual Property Office, Ministry of Commerce and Industry, Government of India.
- Leading Transformation (3 days, 14/09/2024 - 16/09/2024) - Conducted by CBSE.
- MCB Application Training Session (2 hrs) - Conducted by SDMTPPS.

References

- Dr. Chirantan Choudhury - Assistant Professor (HOD), WBSU (Email: crchoudhury2000@yahoo.com)
- Dr. Nilay Chowdhury - Associate Professor, BRSNC (Email: nilaykarchaudhuri@gmail.com)
- Prof. Chakraborty - WBSU (Email: mukutchem@yahoo.co.in)

Disclaimer

I hereby declare that all the above particulars are true to the best of my knowledge and belief.