

**Soumya Mukherjee**

Enthusiastic College Teacher with 15 years of experience, teaching Physics and Materials Sc and Engineering in reputed Indian Institutions. Committed faculty member with a passion for ensuring the academic integrity of the institution and achieving tenure through administrative service.

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Present Status

Assistant Professor in Physics in WBES (APC ROY GOVT. COLLEGE, SILIGURI) from 2015 till date.

Work Experience Summary

- Assistant Professor in RCCIIT, Kolkata from 2010-2015.
- Assistant Professor in Heritage Institute of Technology from 2009 - 2010.
- Involved in Confidential assignments regarding the examinations under WBUT (MAKAUT) and NBU.
- Involved in Confidential Assignments of WBJEEB.

Detailed Work Experience as Assistant Professor in Heritage Institute of Technology

- Delivered lectures to students on Optics.
- Evaluated students' assignments and assessments.
- Lesson-Planning and Facilitation of Best Learning Practices.
- Organization of Assigned Courses and Deployment of Learning Trends.

Detailed Work Experience as Assistant Professor in RCCIIT

- Delivered lectures to students on topics such as Materials Science and Engineering, Waves and Oscillations, Crystallography, Holography, Classical Mechanics and Statistical Mechanics.
- Evaluated and graded students' class work, assignments, and papers.
- Initiated, facilitated, and moderated classroom discussions to promote an open learning environment
- Maintained regularly scheduled office hours to advise and assist students.
- Served on the Integrity in Academics Committee that dealt with institutional policies different academic issues.

Detailed Work Experience as Assistant Professor in APC ROY GOVT. COLLEGE, SILIGURI

- Delivered lectures to students on topics such as Optics, Electricity and Magnetism, Solid State Physics, Quantum Mechanics, Classical Mechanics, Statistical Mechanics, Mathematical Physics and Python Programming.
- Prepared course materials such as homework assignments and handouts for 6 courses a semester.
- Worked with an intra-departmental team to develop new learning materials for Physics students, including interactive online assignments that improved student engagement by 55%.
- Presenting students with more opportunities for industry networking and post-graduation employment.
- Served as a Student Advisor, helping more than 50 students to more define and follow their academic paths.
- Acted as Referrer for more than 50 students for their project work and internships in different reputed research institutions of India.

Career Achievements

- NET qualified in Physical sciences.
- 1st Class 1st (GOLD MEDALIST) in M.Tech.
- 1st Class 2nd in M.Sc. in Physics.
- GATE qualified in Physics.

Academic Records

Degree	Subject	Institution/Board	Year of Passing	%
M.Tech	Material Engineering	Jadavpur University	2010	80.94
M.Sc.	Physics	Jadavpur University	2007	83.81
B.Sc.	Physics	Jadavpur University	2005	70.00
Higher Secondary Examination	Pure Science	Union Academy Kalchini High School/WBCHSE	2002	89.30
Secondary Examination	General	Union Academy Kalchini High School/WBBSE	2000	92.25

Publications

- "Fruit Chromophore Selection for Reactive Modification of Plant Biopolymer Exudate and its UV-VIS Study", S Mukherjee, H Mullick - Advances in Science Education, 113,2021 - lincolnrlp.org
- "Reactive Modification of Gum Acacia Biopolymer by Natural Pigment Anthocyanin and Tannin: their Optical and Impedance Study", Soumya Mukherjee & Himadri Mullick-Materials Research Innovations, Taylor & Francis Group, DOI: 10.1080/14328917.2021.1987694

Academic projects

- Effect of Different Passivation Techniques on the Corrosion Resistant Properties of 304Stainless Steel in NACE Solution under Prof. P. K. Mitra, Dept of Metallurgical & Material Engineering, Jadavpur University.

- Fabrication & Characterization of Nano Porous Silicon under Prof. H. Saha, Dept of E.T.C.E., Jadavpur University.

Conferences/Seminars/Symposiums/Course Works

- Attended AICTE sponsored short term course on Advanced Materials in **IITKGP** from 2nd September 2013 to 13th September 2013.
- Successfully completed Two Week Online Workshop on "Comprehensive e-Learning to e-Training guide for Administrative Work" Organized by Teaching Learning Centre, Ramanujam College, University of Delhi and Sponsored by Ministry of HRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 25th May 2020 to 5th June 2020.
- Successfully Completed one week National Level Faculty Development Program and Online Training on "Moodle Learning System" Organized by JNTUH College of Engineering, Sultanpur, Sangareddy (Dt.) in Association with Spoken Tutorial Project IIT Bombay from 10th June 2020 to 5th June 2020.
- Successfully Participated in One Day National Level Online Seminar on "Machine Learning & its Application in Society" Organized by the Dept. of Computer Science and IQAC, Mahadevananda Mahavidyalaya in Collaboration with Rishi Bankim Chandra College, Naihati on 19th June, 2020.
- participated in Three Days Online workshop on "THE DIGITAL TURN IN EDUCATION : A NEW PATTERN IN TEACHING-LEARNING PRACTICES" organized by ARSD College, University of Delhi, Dhaulakuan, New Delhi from 20th June 2020 to 22nd June 2020.
- Participated in the E-Workshop on "Statistical Modelling through R" Organized by Department of Computer Science, Physics and IQAC, Prasanta Chandra Mahalanbis Mahavidyalaya in Collaboration with Department of Statistics, West Bengal State University from 23rd June 2020 to 27th June 2020.
- Participated in the Webinar entitled "Scope of Virtual Labs in UG Physics and Chemistry Teaching" Organized by the Department of Physics, Chemistry & IQAC, Sarojini Naidu College for Women on 29th June 2020.
- Participated Successfully in the One-Day National Webiner on "Advancement on Plasma Physics and Nano-science" Organized by Department of Physics, Kharagpur college, Inda, Kharagpur on 30th June 2020.
- Participated and Successfully Completed the 30th Orientation Course (Online) organized by the UGC Human Resource Development Centre, Mizoram University from 28th July 2020 to 17th August 2020.
- Participated and Successfully Completed the Refresher Course in Physics (Special Focus on Materials Science and Biophysics) from 8th February 2021 to 20th February 2021 at IIT (ISM) Dhanbad.
- Attended Two Day Workshop on –Promoting Research Excellence in Academics across West Bengal Organized by West Bengal State Council of Higher Education in Association with Elsevier from 16th August 2022 to 17th August 2022.

Computer Skills

- Knowledge on Python, C, FORTRAN, Microprocessor (8086/88).
- Familiar with software packages like Anaconda, Pydroid, Origin, Echem Analyst, and Microsoft Office.

Personal Profile

Date of Birth: 26/04/1986

Résumé

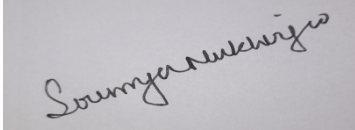
<Soumya Mukherjee >

Permanent Address: B1/1, Flat no. 101, Peerless Prantik, Sonarpur, Kolkata- 700150.

Present Address: Same as Permanent.

Languages known: English, Bengali, Hindi.

I hereby declare that the above information is true to the best of my knowledge and belief.

A rectangular box containing a handwritten signature in black ink. The signature is written in a cursive style and appears to read "Soumya Mukherjee".

Signature