

## SOUMYA MUKHERJEE



**Designation:** Assistant Professor in Physics (WBES)

**Qualifications:** M.Sc. M.Tech

**Brief Introduction:** I earned my M.Sc. degree in Physics and M.Tech. in Materials Engineering from Jadavpur University respectively in 2007 and 2010, and soon after, I began my teaching career as a guest faculty at Heritage Institute of Technology, Kolkata and at RCCIT, Kolkata. In March, 2015, I joined West Bengal Education Service at APC Roy Government College, Siliguri. In January 2025, I was transferred to Maulana Azad College and I am serving here till date.

**Current Teaching:** Teaching students of Physics (Honours) and Physics (GE) courses as per CBCS and NEP curricula.

**Research Interests:** Computational Physics and Computational Materials Science

### Participations in Seminars/ Conferences/ Workshops:

1. Attended AICTE sponsored short term course on Advanced Materials in IITKGP from 2<sup>nd</sup> September 2013 to 13<sup>th</sup> September 2013.
2. 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 25<sup>th</sup> May 2020 to 5<sup>th</sup> June 2020.
3. 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 10<sup>th</sup> June 2020 to 5<sup>th</sup> June 2020.
4. 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 19<sup>th</sup> June, 2020.
5. 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 20<sup>th</sup> June 2020 to 22<sup>nd</sup> June 2020.
6. 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 23<sup>rd</sup> June 2020 to 27<sup>th</sup> June 2020.
7. 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 29<sup>th</sup> June 2020.
8. 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 30<sup>th</sup> June 2020.
9. Participated and Successfully Completed the 30<sup>th</sup> Orientation Course (Online) organized by the UGC Human Resource Development Centre, Mizoram University from 28<sup>th</sup> July 2020 to 17<sup>th</sup> August 2020.
10. Participated and Successfully Completed the Refresher Course in Physics (Special Focus on Materials Science and Biophysics) from 8<sup>th</sup> February 2021 to 20<sup>th</sup> February 2021 at IIT (ISM), Dhanbad.
11. 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 16<sup>th</sup> August 2022 to 17<sup>th</sup> August 2022.

**Awards/Recognitions:**

- (1) Cleared National Level Examinations: GATE (2007), CSIR-NET (2012), GATE (2014, 2015).
- (2) Awarded 1<sup>st</sup> Class 1<sup>st</sup> (GOLD MEDALIST) in M.Tech from Jadavpur University in 2010.

**Publications:**

- (1) "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
- (2) "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 - lincolnrl.org
- (3) "Black Jamun Fruit Peel Extract Modified Gum Acacia Biopolymer Suitable for Energy Device Applications via Charge Transfer Enhancement", Soumay Mukherjee et.al.-Journal of Macromolecular Science, Part B, Taylor & Francis Group, DOI:10.1080/00222348.2024.2422705

**Contact Details:**

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