

## FACULTY PROFILE



1. Name of the Faculty Member: Dr. Shrabanti Dhar
2. Designation with Category (Substantive/SACT): SACT, Category-I
3. Department: Physics
4. Educational and Professional Qualifications:

Name of the Institution	Name of the Affiliating Body	Degree/Diploma/Certificate Obtained	Specialization (if any)
University College of Science, Technology and Agriculture, Rajabazar	University of Calcutta	Ph. D	Quantum Physics

5. Teaching Experience (If applicable):

Name of the Institution	Position Held	From	To
Gokhale Memorial Girls College, Kolkata	SACT-I	January 2020	Till date
	Guest Lecturer	September 2018	December 2019
Aliah University	Guest Lecturer	February 2019	December 2019
Derozio Memorial College	Guest Lecturer	February 2017	May 2019

6. Areas of Interest (Intra-disciplinary and/or Inter-disciplinary): Quantum and Statistical Physics

7. Research Publications (if any): Journal Articles:

- (i) Quantum time of arrival distribution in a simple lattice model by S. Dhar, S. Dasgupta and A. Dhar, J. Phys. A Math. Theor. **48**, 115304 (2015).
- (ii) Detection of a quantum particle on a lattice under repeated projective measurements by S. Dhar, S. Dasgupta, A. Dhar and D. Sen, Physical Review A **91**, 062115 (2015).
- (iii) Measurement-induced phase transition in a quantum spin system by S. Dhar and S. Dasgupta, Physical Review A **93**, (Rapid Comm.) 050103 (R) (2016).

8. Invited Talk/Special Lecture/Seminar/Conference Presentation: Delivered a lecture entitled “*First passage problem: from the perspective of Quantum Mechanics*” in two-day National Seminar **Young Physicists’ Meet, 2021** organised by Dept. Of Physics, School of Basic and Applied Sciences, Adamas University, Kolkata during 30-31<sup>st</sup> July.

9. Other Academic/Official Responsibilities (At College/University Level or for Any Other Body of Higher Education): Member of (i) College Magazine (Miscellany) Committee (ii) College Research Cell (iii) Electoral Literacy Cell.

10. Awards/Recognitions/Fellowships/Memberships (if any): Awarded CSIR (NET) Research Fellowship from Sept. 2011 to August 2016 for working towards PhD.