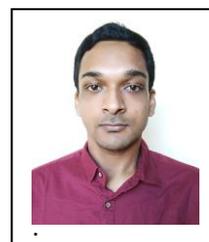**Name:** Dr. Sourav Chattopadhyay

Designation: Assistant Professor

Branch: Physics

Educational Qualification(s):

Qualification(s) (Bachelor degree onwards)	University
B.Sc. (Physics)	Scottish Church College, Calcutta University
M.Sc. (Physics)	IIT Guwahati
PhD (Physics)	IIT Guwahati

Experience in years:

Academic:Nil

Industrial: Nil

Other Information:

(a) Publication details:

Peer-reviewed Journals:

1. Kinetic Ising model under sinusoidal oscillating external magnetic field: hysteresis and dynamic phase transition, **Sourav Chattopadhyay** and S. B. Santra, Eur. Phys. J. B 94, 72 (2021).

2. Study of fractal Ising magnet with nearest and next nearest neighbour interactions, **Sourav Chattopadhyay** and S. B. Santra, AIP Conf. Proc. 1953, 040008 (2018).

3. Hysteresis loop analysis to study dynamic phase transition, **Sourav Chattopadhyay** and S. B. Santra, AIP Conf. Proc. 1731, 030022 (2016).

4. Disorder induced hysteresis in diluted kinetic Ising model, **Sourav Chattopadhyay** and S. B. Santra, Journal of Physics: Conference Series 759, 012011 (2016).

5. Dynamic phase transition in diluted Ising model, **Sourav Chattopadhyay**,Gopal Gorai and S. B. Santra, AIP Conf. Proc. 1665, 030017 (2015).

6. Critical Analysis of a One-Dimensional Dimerized Quasiperiodic Chain, Shilpi Roy, **Sourav Chattopadhyay**, Tapan Mishra and SaurabhBasu, (Under review at Physical Review B).

7. Study of diluted kinetic Ising model under sinusoidalexternal field, **Sourav Chattopadhyay** and S. B. Santra, (Accepted for publication at Journal ofPhysics conference proceedings).

8. Dynamic phase transition and hysteresis in diluted kinetic Isingferromagnet,**Sourav Chattopadhyay** and S. B. Santra, (Manuscript under preparation).

Books:

1. Computer on the wheel - an introduction to computers for class V, (Star cementCSR project),Sourav Chattopadhyay.
2. Modern Perspectives in the Study of Electronic Systems, SaurabhBasu andSourav Chattopadhyay, AIP publishing (under preparation).

(b) Details of Seminar/Workshop/Conference:

Conference attended:

1. DAE Solid State Physics Symposium (DAE-SSPS-2014) - BARC
2. DAE Solid State Physics Symposium (DAE-SSPS-2015) - BARC
3. XXVII IUPAP Conference on Computational Physics 2015, IIT Guwahati
4. Statphys Kolkata IX 2016, SINP Kolkata
5. International conference on condensed matter and applied physics 2017, Bikaner,Rajasthan.
6. XXXII IUPAP Conference on Computational Physics 2021, Coventry, England

Workshop Attended:

1. Workshop on parallel computation and High performance computing, IIT Guwahati, India, 2017.

Invited talks:

1. Implementation of the Django web framework at Jawaharlal NehruLeadership Institute, Rangia, Assam.
2. Electrodynamics and simple applications at Jawaharlal Nehru LeadershipInstitute, Rangia, Assam.
3. Introduction and some applications of machine learning and artificial intelligence, IIT Guwahati, Assam.
4. Scientific writing in LATEX, University of Science and Technology, Meghalaya.
5. Numerical, graphical and exact solution of differential equations inWolfram Mathematica, University of Science and Technology, Meghalaya.
6. Introduction to Python, Jagiroad College, Assam.

(c) Other activities:
1. Secretary, XXVII IUPAP Conference on Computational Physics 2015, IIT Guwahati.
2. Trusted user, Stack Exchange site askubuntu.com