



**Name: Anamika Roy**

**(Joined on April 18 , 2017)**

**Designation: Assistant Professor**

**Specialization: Biophysics**

**Qualification: M.Sc, NET**

**E-mail: [ms.royanamika91@gmail.com](mailto:ms.royanamika91@gmail.com)**

---

**CURRENT RESEARCH INTEREST:**

**Dynamical Disordered Systems, Image Processing, Topology.**

**PUBLICATIONS:**

1. **A. Roy**, R. A. I. Haque , A. J. Mitra, M. Dutta Choudhury, S. Tarafdar, *and* T. Dutta , **Understanding flow features in drying droplets via Euler characteristic surfaces—A topological tool**, *Physics of Fluids* 32, 123310 (2020); <https://doi.org/10.1063/5.0026807>.

**PAPER PRESENTED IN CONFERENCE:**

**NATIONAL:**

1) **Anamika Roy**, Ruhul Amin Ibne Haque ,Sujata Tarafdar ,Tapati Dutta, Euler Number and Topology of a Dynamical System, National Seminar on Application of Statistics in Natural Sciences , organized by Dept. of Physics and Statistics of SXC in collaboration with IUCAA on 16 and 17, December 2019.

2) **Anamika Roy**, Sujata Tarafdar and Tapati Dutta, Study of Euler Number in 2D Triangular Lattice ,National Seminar on Physics at Surfaces and Interfaces of Soft Materials (PSISM2019), organized by CMPRC, Jadavpur University on 26 and 27, September 2019.

## **CONFERENCES ATTENDED**

### **International:**

- **Impromptu seminar on Discrete mathematical modelling in Physics Chemistry and Biology with application in emerging fields organized by CIRE, Kolkata and CMPRC, Jadavpur University on 19.09.19**
- **One Day International Workshop on Coarse Geometry organized by Dept. of Physics and Mathematics, St. Xavier's College.**

### **National:**

- **One Day National Workshop on "Plagiarism and Academic Integrity" organized by Dept. of Information and Technology and Fr. Verstraeten Central Library , St. Xavier's College on 31.08.19.**

## **WORKSHOP ATTENDED**

- **Web Based Workshop on Teaching Physics at the UG & PG Level using Python, Organized by Department of Physics, Victoria Institution (College), in collaboration with UGC-DAE Consortium for Scientific Research, Kolkata Centre, July 6th – 10th 2020.**