

## FACULTY PROFILE



- NAME : Dr. Krashna Mohan Tripathi
- DESIGNATION: Lecturer, Physics
- QUALIFICATIONS:
  - ★ M. Sc., Physics, IIT Guwahati, 2011
  - ★ NET, CSIR-JRF, Dec. 2010
  - ★ Ph.D., Physics, HRI-HBNI, 2020
- EXPERIENCES:
  - ★ Post-Doctoral Fellow, Physics, IIT Kanpur, 2020-2021
  - ★ Teaching, Government Polytechnic Kanpur, Since Dec. 2022
- EMAIL: [kmtripathi1989@gmail.com](mailto:kmtripathi1989@gmail.com)
- RESEARCH INTERESTS: Topological Quantum Matter
- TEACHING AREAS: Applied Physics
- PUBLICATIONS:
  - ★ Fingerprints of Majorana Bound States in Aharonov-Bohm Geometry, Phys. Rev. Lett. 116, 166401(2016)

- ★ Quantum charge pumping through Majorana bound states, Phys. Rev. B., 99, 085435(2019)
- WORKSHOP/CONFERENCES:
  - ★ School on Topological Quantum Matter, 9th - 21st February, 2015, held at HRI Allahabad, Uttar Pradesh India.
  - ★ Workshop on Frontiers in Condensed Matter Physics, 22nd - 27th February, 2016, held at IOP Bhubaneswar, Odisha, India.
  - ★ School and Workshop on Fundamentals on Quantum Transport, 31st July - 11th August, 2017, held at ICTP Trieste, Italy
  - ★ School and Conference on Driven Quantum Systems, 12th - 21st February, 2018, held at IACS Kolkata, India
  - ★ National Conference on Quantum Condensed Matter, 25th -27th July, 2018, held at IISER Mohali, India