

DEBOJIT CHANDA

Prime Minister's Research Fellow
Department of Physics, IIT Kanpur

(+91) 9804207235
dchanda[AT]iitk.ac.in
dchanda.physics[AT]gmail.com

EDUCATION

- 2020–PRESENT **Ph.D.** in PHYSICS (ongoing)
Indian Institute of Technology Kanpur, Uttar Pradesh, India
SOFT AND ACTIVE MATTER LAB, *Supervisor*: Dr. Manas Khan
- 2018–2020 **M.Sc.** in PHYSICS, **Indian Institute of Technology Kanpur**, Uttar Pradesh, India
- 2015–2018 **B.Sc.** in PHYSICS, **Ramakrishna Mission Vidyamandira**, West Bengal, India
(Affiliated to *University of Calcutta*)

COLLOQUIUMS ATTENDED

- 2023 Poster Presentation, STATPHYS KOLKATA XII
(*S. N. Bose National Centre for Basic Sciences*, India)
- 2022 Poster Presentation, COMPLEX FLUIDS AND SOFT MATTER (COMPFLU) 2022
(*Indian Institute of Technology Kharagpur*, India)
- 2021 Poster Presentation, COMPLEX FLUIDS AND SOFT MATTER (COMPFLU) 2021
(*Indian Institute of Technology Gandhinagar*, India)
- 2019 Participant, YOUNG PHYSICISTS' COLLOQUIUM 2019
(*Saha Institute of Nuclear Physics*, India)

PUBLICATIONS

- Non muscle myosin IIA motor activity generates a concentration dependent dynamic actin network** - Saurabh Shrivastava, *Debojit Chanda*, Shayeri Chowdhury, Saadia Naseer, Farmaanullah Ansari, Manas Khan, and Anita Roy (under communication).
- Orientational fluctuations govern the route to crystallization of hard-interacting Brownian squares** -*Debojit Chanda*, Thomas G Mason, and Manas Khan (under communication).
- Optical Micromanipulation of Soft Materials: Applications in Devices and Technologies** - Manas Khan, Sanatan Halder, *Debojit Chanda*, Dibyendu Mondal, and Sandip Kundu (invited book chapter for *Springer Nature Book Series*).

CAREER HIGHLIGHTS

- 2021 Selected as **Prime Minister's Research Fellow** (*PMRF*, May-2021)
- 2020 Secured **AIR 101** in Joint Entrance Screening Test (*JEST*)
- 2020 Qualified Graduate Aptitude Test in Engineering (*GATE*) with score 540
- 2020 Qualified TIFR GS2020, called for interview.
- 2019 Secured **AIR 119** (*JRF*) in Joint CSIR-UGC National Eligibility Test (*NET*) in Physics
- 2018 Secured **AIR 60** in Joint Entrance Screening Test (*JEST*)
- 2018 Secured **AIR 69** in Joint Admission test for Masters (*JAM*)
- 2015 **DST-INSPIRE Scholarship for Higher Education** (SHE) during *B.Sc.* and *M. Sc.* (till 2020)

OTHER RESEARCH EXPERIENCES

SUMMER INTERN, May 2019 – July, 2019, *Saha Institute of Nuclear Physics, Kolkata, India*

Topic: Formation of Protonated Bases of RNA: DFT Studies

Supervisor: Prof. Dhananjay Bhattacharyya, SINP

M.Sc. PROJECT, August 2019 – May, 2020, *Indian Institute of Technology Kanpur, Kanpur, India*

Topic: Transverse Stiffness of a Deformed Erythrocyte to Pass Through Narrow Curved Capillaries

Supervisor: Dr. Manas Khan, IIT Kanpur