

Biswajit Das

Supervisor: Prof. Ayan Banerjee

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Research Interests

- Exploration of non-equilibrium physics using optical tweezers under the frame work of stochastic thermodynamics.
- Experimental Study of statistical phenomena shown by mesoscopic particles in different media.
- Fundamental non-equilibrium systems and phase transitions.
- Statistical Physics of biological systems.

Achievements

- Awarded INSPIRE Scholarship(2015-2018)
- Secured rank within National Top 1% in NGPE-2018
- Won Silver Medal for 2nd rank in B.Sc.(Hons.), Midnapore College (2015-2018)

Publications

- Quantitative analysis of non-equilibrium systems from short-time experimental data, Sreekanth K Manikandan, Subhrokol Ghosh, Avijit Kundu, **Biswajit Das**, Vipin Agrawal, Dhrubaditya Mitra, Ayan Banerjee, Supriya Krishnamurthy, arXiv:2102.11374 [cond-mat.soft](2021).[Accepted in Comm. Phys.]
- Experimental verification of Arcsine laws in micron sized non equilibrium and active systems, Raunak Dey, Avijit Kundu, **Biswajit Das**, Ayan Banerjee, arXiv:2104.00127v1 [cond-mat.soft] (2021).

Endorsed.

