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- M.Sc in Applied Mathematics, University of Calcutta
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Research Interests: Quantum Foundation and Information Theory, Quantum Computation, Mathematical Modelling.

List of Publications:

- G. Kar, Md. R. Gazi, M. Banik, S. Das, A. Rai and S. Kunkri, 'A complementary relation between classical bits and randomness in local part in the simulating singlet state', Journal of Physics A: Mathematical and Theoretical 44, 152002 (2011).
- M. Banik, Md. R. Gazi, S. Das, A. Rai and S. Kunkri, 'Optimal free will on one side in reproducing the singlet correlation', Journal of Physics A: Mathematical and Theoretical 45, 205301 (2012).
- A. Rai, Md. R. Gazi, M. Banik, S. Das and S. Kunkri, 'Local simulation of singlet statistics for a restricted set of measurements', Journal of Physics A: Mathematical and Theoretical 45, 475302 (2012).
- Md. R. Gazi, M. Banik, S. Das, A. Rai and S. Kunkri, 'Macroscopic locality with equal bias reproduces with high fidelity a quantum distribution achieving the tsirelson's bound', Physical Review A, 87, 052115 (2013).
- S. Das, M. Banik, Md. R. Gazi, A. Rai and S. Kunkri, 'Hardy's nonlocality argument as a witness for post quantum correalation', Physical review A 88, 01211 (2013).
- S. Das, M. Banik, Md. R. Gazi, A. Rai, S. Kunkri and Ramij Rahaman, 'Bound on tri-partite hardy's nonlocality respecting all bi-partite principles', Quantum Inf Process 12, 3033 (2013).
- S. Das, M. Banik, Md. R. Gazi, A. Rai and S. Kunkri, 'Local Orthogonality provides better upper bound for hardy's nonlocality', Physical Review A 88, 062101 (2013).
- A. Roy, A. Mukherjee, S.S. Bhattacharya, Md. R. Gazi , M. Banik and S. Das, 'Local deterministic simulation of equatorial Von-Neumann measurements on tripartite GHZ state',Quantum Inf Process 14, 217-228 (2014).
- M. Banik, S. Das and A. S. Majumdar, 'Measurement incompatibility and channel steering', Physical Review A 91 062124 (2015).
- A. Mukherjee, A. Roy, S. S. Bhattacharya, S. Das, Md. R. Gazi and M. Banik, 'Hardy's test as a device independent dimension witness', Physical review A 92,022302 (2015).