

List of Publications in Refereed Journals

1. Rinku Jacob, Harikrishnan, K. P., Misra, R., & Ambika, G. (2016). Uniform framework for the recurrence-network analysis of chaotic time series. **Physical Review E (ISSN: 2470-0053)**, 93(1), 012202, doi.org/10.1103/PhysRevE.93.012202
2. Rinku Jacob, Harikrishnan, K. P., Misra, R., & Ambika, G. (2016). Characterization of chaotic attractors under noise: A recurrence network perspective. **Communications in Nonlinear Science and Numerical Simulation (ISSN: 1007-5704)**, 41, 32-47, doi.org/10.1016/j.cnsns.2016.04.028
3. Rinku Jacob, Harikrishnan, K. P., Misra, R., & Ambika, G. (2016). Can recurrence networks show small – world property?. **Physics Letters A (ISSN: 0375-9601)**, 380, 2718-2723, doi.org/10.1016/j.physleta.2016.06.038
4. Rinku Jacob, K. P. Harikrishnan, R. Misra and G. Ambika. Cross over of recurrence networks to random graphs and random geometric graphs, **Pramana – Journal of Physics (ISSN: 0973-7111)** (2017), 88:37, doi.org/10.1007/s12043-016-1339-y
5. Rinku Jacob, Harikrishnan KP, Misra R, Ambika G. (2017). Measure for degree heterogeneity in complex networks and its application to recurrence network analysis. **Royal Society Open Science (ISSN: 2054-5703)**, 4: 160757, doi.org/10.1098/rsos.160757
6. Rinku Jacob, K. P. Harikrishnan, R. Misra and G. Ambika. Recurrence network measures for hypothesis testing using surrogate data : Application to black hole light curves, **Communications in Nonlinear Science and Numerical Simulation (ISSN: 1007-5704)**, 54 (2018), 84-99, doi.org/10.1016/j.cnsns.2017.05.018
7. Rinku Jacob, K. P. Harikrishnan, R. Misra and G. Ambika. (2019). Weighted recurrence networks for the analysis of time- series data, **Proc. R. Soc. (ISSN: 1471-2946)**, 475: 20180256, http://dx.doi.org/10.1098/rspa.2018.0256.

Other Scientific Papers and Publications:

1. K.P. Harikrishnan, Rinku Jacob, R. Misra and G. Ambika. Determining the minimum embedding dimension for state space reconstruction through recurrence networks, **Indian Academy of Sciences Conference Series** (2017) 1:1, 43-49, doi: 10.29195/iascs.01.01.0004