



Name: **Mrityunjay Sarkar**

Designation: ASSISTANT PROFESSOR

Qualification: M.TECH, Ph.D persuing

Specialization: Communication Engineering

Work Experience: 10 years

LIST of PUBLICATIONS:

A. International Journal

1. "Exploring Different Stages of Alzheimer's Disease through Topological Analysis of Differentially Expressed Genetic Networks"; Aurpan Majumder, **Mrityunjay Sarkar**; International Journal of Computer Theory and Engineering, Vol. 6, No. 5, 2014.
2. "Paired Transcriptional Regulatory System for Differentially Expressed Genes"; Aurpan Majumder, **Mrityunjay Sarkar**, Lecture Notes on Information Theory, Vol. 2, No. 3, 2014.
3. "Exploring Differential Nature of Human and Chimpanzee Organs through Linear Correlative and MI Measures"; Aurpan Majumder, **Mrityunjay Sarkar**; Journal of Medical and Bioengineering, Vol.4, No.1, 2015.
4. "Quantitative Trait Specific Differential Expression (qtDE)"; **Mrityunjay Sarkar**, Aurpan Majumder, Procedia Computer Science (46), 2015. (**SCOPUS**)
5. "Intelligent Topological Differential Gene Networks"; **Mrityunjay Sarkar**, Aurpan Majumder, Advances in Intelligent System and Computing, Chapter II, 2016. (**SCOPUS**)
6. "Dissimilar Regulatory Actions between Neurodegenerative Disease Pairs through Probablistic Differential Correlation"; Aurpan Majumder, **Mrityunjay Sarkar**, Advances in Intelligent System and Computing 467, pp. 59-74, 2017. (**SCOPUS**)
7. "Multiobjective Ranked Selection of Differentially Expressed Genes", **Mrityunjay Sarkar**, Aurpan Majumder Advances in Intelligent System and Computing 467, pp. 75-92, 2017. (**SCOPUS**)
8. "A Composite Entropy Model in a Multiobjective Framework for Gene Regulatory Networks", Aurpan Majumder, **Mrityunjay Sarkar**, Harihar Dash, Akhilesh Indupally, Current Bioinformatics, 13(1), pp. 85-94, 2017 (**S.C.I**)
9. "A Composite Mode Differential Gene Regulatory Architecture based on Temporal Expression Profiles", Aurpan Majumder, **Mrityunjay Sarkar**, Prolay Sharma, IEEE /ACM Transaction on Computational Biology and Bioinformatics.2021 (**S.C.I**)

B. International Conference

1. "Simple Transcriptional Networks for Differentially Expressed Genes"; Aurpan Majumder, **Mrityunjay Sarkar**, IEEE International Conference on Signal Propagation and Computer Technology, 2014 (*Presented*).
2. "TOP:An Algorithm in Search of Biologically Enriched Differentially Connective Gene Networks"; **Mrityunjay Sarkar**, Aurpan Majumder, BioTech, 2015.
3. "A Nonlinear Multivariate Approach to Identify Differentially Coexpressed Pathways"; **Mrityunjay Sarkar**, Aurpan Majumder, ICDSE 2019 (*Presented*).