

Mrityunjay Sarkar

Email:mrityu1488@gmail.com
Mobile: 8768329013, 9531500110

QUALIFICATION: -
M.Tech, (Pursuing Ph.D)

RESEARCH EXPERIENCE: -

1. Completed M. Tech thesis titled “**Missing Value Estimation of Microarray Gene Expression Data using Gene Ontology Based Fuzzy Clustering Algorithm**” under the guidance of Prof. Aurpan Majumder of E.C.E from N.I.T Durgapur.
2. Pursuing Doctoral Research on **Differential Transcriptional Factor based regulation on Gene Regulator Network** under Prof. Aurpan Majumder of N.I.T Durgapur.

PROJECT:

Supervised 6 UG projects based on Soft Computing based Bioinformatics related research.

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.
5. “Intelligent Topological Differential Gene Networks”; **Mrityunjay Sarkar**, Aurpan Majumder, Advances in Intelligent System and Computing, Chapter II, 2016.
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.
7. “Multiobjective Ranked Selection of Differentially Expressed Genes”, **Mrityunjay Sarkar**, Aurpan Majumder Advances in Intelligent System and Computing 467, pp. 75-92, 2017.
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
9. “A Composite Mode Differential Gene Regulatory Architecture based on Temporal Expression Profiles”, **Mrityunjay Sarkar**, Aurpan Majumder, Prolay Sharma, IEEE /ACM Transaction on Computational Biology and Bioinformatics, PP(99):1-1, April 2018

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
2. “TOP:An Algorithm in Search of Biologically Enriched Differentially Connective Gene Networks”; **Mrityunjay Sarkar**, Aurpan Majumder, BioTech, 2015