

List of Papers

Published/Presented/Communicated

International Journals:

1. Arvind Kumar Tiwari and Rajeev Srivastava, "A Survey of Computational Intelligence Techniques in Protein Function Prediction," International Journal of Proteomics, vol. 2014, Article ID 845479, 22 pages, 2014. doi:10.1155/2014/845479.
2. Arvind Kumar Tiwari, Rajeev Srivastava, Subodh Srivastava, Shailendra Tiwari "A Novel and efficient approach for the prediction of G-protein coupled receptors and their subfamilies using ensemble weighted k-nearest neighbor". In the Egyptian Informatics Journal. (Accepted) Elsevier, *SJR 0.252*.
3. Arvind Kumar Tiwari, R.B.Mishra "Protein Function Prediction Using Support Vector Machine". International Journal of Computational Bioinformatics and In Silico Modeling 2(5) 2013: 239-244.
4. Sudhakar Tripathi, Arvind Kumar Tiwari, R.B.Mishra "Protein Function Prediction using Artificial Neural Network (Dynamic) Model". Journal of Computational Intelligence in Bioinformatics (JCIB) 6(2) 2013: 93-102.
5. Arvind Kumar Tiwari, Rajeev Srivastava "An efficient approach for the prediction of ion channels and their subfamilies based on random forest with minimum redundant and maximum relevant sequence derived features" In international journal of Bioinformatics Research and Application (Communicated). Inderscience Publishers.
6. Arvind Kumar Tiwari, Rajeev Srivastava "An efficient approach for prediction of nuclear receptor and their subfamilies based on fuzzy k-nearest neighbour with maximum relevance minimum redundancy". In The Proceedings of the National Academy of Sciences, India, Section A: Physical Sciences. (Communicated) Springer SCI Impact Factor 0.19.
7. Arvind Kumar Tiwari, Rajeev Srivastava, Subodh Srivastava "An efficient and robust approach for the prediction of G-protein coupled receptors and their subfamilies using weighted k-nearest neighbor". In

the International journal of data mining and bioinformatics. (Communicated). Inderscience Publishers, Impact Factor 0.69.

8. Arvind Kumar Tiwari, Rajeev Srivastava “Prediction of enzyme functional classes and subclasses using a machine learning approach based on sequence derived properties”. In Sadhana Academy Proceedings in Engineering Science. (Communicated). Springer, Impact Factor 0.59.

International Conferences:

1. Arvind Kumar Tiwari, Rajeev Srivastava, Subodh Srivastava, Shailendra Tiwari “A Novel and efficient approach for the prediction of G-protein coupled receptors and their subfamilies using ensemble weighted k-nearest neighbor”. In the 3rd international conference on Advanced Computing, Networking, and Informatics (ICACNI 2015). (Accepted) *Published by Smart Innovation, System and Technology (Springer, LNCS)*.
2. Arvind Kumar Tiwari, Rajeev Srivastava, Shailendra Tiwari “Machine learning based approach for the prediction of voltage gated ion channels and their subfamilies”. In the International Conference on Emerging Trends in Information Technology (ICETIT-2015).(Elsevier Procedia Series) (Accepted).
3. Arvind Kumar Tiwari, Rajeev Srivastava “Feature based classification of nuclear receptors and their subfamilies using fuzzy k-nearest neighbor”.In The international conference on advances in computer engineering and applications-ICACEA 2015. IEEE Explore. (Accepted)
4. Sudhakar Tripathi, Arvind Kumar Tiwari, R.B.Mishra “Rule Based Model for Clustering Gene Expression Data” In Proceedings of AISC-2012 , International Conference IIT-BHU ,Varanasi. (December 2012).