

Publications:

Rajnish Pandey, Abhinav Kumar, Jyoti Prakash Singh, Sudhakar Tripathi, "A hybrid convolutional neural network for sarcasm detection from multilingual social media posts", Multimedia Tools and Applications. Springer. Accepted

Rajnish Pandey, Jyoti Prakash Singh, Sudhakar Tripathi, "AN INTRODUCTION TO SENTIMENT ANALYSIS USING DEEP LEARNING TECHNIQUES", in Deep Learning and its Applications book, NOVA SCIENCE PUBLISHERS, INC. USA 2021

Kumar Abhishek, Vaibhav Pratihar, Shishir Kumar Shandilya, Sanju Tiwari, Vinay Kumar Ranjan & Sudhakar Tripathi (2021) An intelligent approach for mining knowledge graphs of online news, International Journal of Computers and Applications, DOI: 10.1080/1206212X.2021.1957551

A. Ranjan, D. Fernandez-Baca, S. Tripathi and A. Deepak, "An Ensemble Tf-Idf Based Approach to Protein Function Prediction via Sequence Segmentation," in IEEE/ACM Transactions on Computational Biology and Bioinformatics, doi: 10.1109/TCBB.2021.3093060.

Rajnish Pandey, Abhinav Kumar, Jyoti Prakash Singh, Sudhakar Tripathi, "Hybrid attention-based Long Short-Term Memory network for sarcasm identification", Applied Soft Computing, Volume 106, 2021, 107348, ISSN 1568-4946, <https://doi.org/10.1016/j.asoc.2021.107348>.

Bihari, A., Tripathi, S. & Deepak, A. Iterative weighted EM and iterative weighted EM'-index for scientific assessment of scholars. Scientometrics 126, 5551–5568 (2021). <https://doi.org/10.1007/s11192-021-03937-8>

Anand Bihari, Sudhakar Tripathi, Akshay Deepak, "A review on h-index and its alternative indices", Journal of Information science, May 31, 2021, Sage Journals <https://doi.org/10.1177/01655515211014478>

Chhote Lal Prasad Gupta*, Anand Bihari and Sudhakar Tripathi, "Protein Classification using Machine Learning and Statistical Techniques", Recent Advances in Computer Science and Communications (Formerly Recent Patents on Computer Science) 2021; 14(5) .<https://doi.org/10.2174/2666255813666190925163758> Bentham Science Publisher

Choubey, D.K., Kumar, P., Tripathi, S. et al. Performance evaluation of classification methods with PCA and PSO for diabetes. Network Modeling Analysis in Health Informatics and Bioinformatics volume 9, 5 (2020). <https://doi.org/10.1007/s13721-019-0210-8>

Dilip Kumar Choubey*, Manish Kumar, Vaibhav Shukla, Sudhakar Tripathi and Vinay Kumar Dhandhanian, "Comparative Analysis of Classification Methods with PCA and LDA for Diabetes", Current Diabetes Reviews 2020; 16(8) . <https://doi.org/10.2174/1573399816666200123124008>

A Bihari, S Tripathi, A Deepak, P Kumar, "EM- and EM'-index Sequence: Construction and Application in Scientific Assessment of Scholars", Measurement: Interdisciplinary Research and Perspectives 18 (3), 142-157, 2020. <https://doi.org/10.1080/15366367.2020.1733364>

Rahul Shrivastava, Prabhat Kumar* and Sudhakar Tripathi, "A Human Memory Process Modeling", Recent Patents on Engineering 2020; 14(2) . <https://doi.org/10.2174/1872212113666190211145444>

Shrivastava R, Kumar P, Tripathi S, Tiwari V, Rajput DS, Gadekallu TR, Suthar B, Singh S, Ra I-H. A Novel Grid and Place Neuron's Computational Modeling to Learn Spatial Semantics of an Environment. Applied Sciences. 2020; 10(15):5147. <https://doi.org/10.3390/app10155147>

Chhote Lal Prasad Gupta, Anand Bihari, Sudhakar Tripathi. (2020). Mouse protein classification using tree based machine learning techniques. International Journal of Advanced Science and Technology, 29(05), 7338-7351. Retrieved from <http://sersc.org/journals/index.php/IJAST/article/view/18228>

Dilip K. Choubey*, Sudhakar Tripathi, Prabhat Kumar, Vaibhav Shukla and Vinay K. Dhandhania, "Classification of Diabetes by Kernel Based SVM with PSO", Recent Advances in Computer Science and Communications , Formerly Recent Patents on Computer Science, 2021; 14(4) . <https://doi.org/10.2174/2213275912666190716094836>

Singh A., Vikram A., Singh M.P., Tripathi S. (2020) Classification of Neuromuscular Disorders Using Machine Learning Techniques. In: Pant M., Kumar Sharma T., Arya R., Sahana B., Zolfagharinia H. (eds) Soft Computing: Theories and Applications. Advances in Intelligent Systems and Computing, vol 1154. Springer, Singapore. https://doi.org/10.1007/978-981-15-4032-5_95

Sinha, D., Kumari, R. & Tripathi, S. Semisupervised Classification Based Clustering Approach in WSN for Forest Fire Detection. Wireless Pers Commun 109, 2561–2605 (2019). <https://doi.org/10.1007/s11277-019-06697-0>

Rahul Shrivastava, Prabhat Kumar, Sudhakar Tripathi, "Modeling of Action's Semantic Memory Incorporated with Procedural and Skill Memory to Perform Tasks", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, September 2019. DOI: 10.35940/ijrte.C4227.098319

Chhote Lal Prasad Gupta, Anand Bihari, Sudhakar Tripathi, "Rat Protein's Enzyme Class Classification Using Machine Learning", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-6, August 2019. DOI: 10.35940/ijeat.F8098.088619

ChhoteLal Prasad Gupta, AnandBihari, SudhakarTripathi, "Human Protein Sequence Classification using Machine Learning and Statistical Classification Techniques", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019. DOI: 10.35940/ijrte.B3224.078219

A. Ranjan, M. S. Fahad, D. Fernández-Baca, A. Deepak and S. Tripathi, "Deep Robust Framework for Protein Function Prediction Using Variable-Length Protein Sequences," in IEEE/ACM Transactions on Computational Biology and Bioinformatics, vol. 17, no. 5, pp. 1648-1659, 1 Sept.-Oct. 2020, doi: 10.1109/TCBB.2019.2911609.

Bihari, Anand and Tripathi, Sudhakar and Deepak, Akshay, Scientific Evaluation of Scholars based on Collaborative Index and Normalized Citation Count (March 11, 2019). Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE) 2019, Available at SSRN: <https://ssrn.com/abstract=3350255> or <http://dx.doi.org/10.2139/ssrn.3350255>

Bihari, Anand and Tripathi, Sudhakar, Automated Traffic Management using Image Processing (March 11, 2019). Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE) 2019, Available at SSRN: <https://ssrn.com/abstract=3350326> or <http://dx.doi.org/10.2139/ssrn.3350326>

Vikram, Arun and Singh, Anuj and Tiwari, Arvind Kumar and Tripathi, Sudhakar, Function Prediction of Human Proteins Using Machine Learning Algorithms (March 11, 2019). Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE) 2019, Available at SSRN: <https://ssrn.com/abstract=3350256> or <http://dx.doi.org/10.2139/ssrn.3350256>

Bihari, Anand and Tripathi, Sudhakar and Deepak, Akshay, Gene Expression Analysis Using Clustering Techniques and Evaluation Indices (March 11, 2019). Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE) 2019, Available at SSRN: <https://ssrn.com/abstract=3350332> or <http://dx.doi.org/10.2139/ssrn.3350332>

Shrivastava, Rahul and Tripathi, Sudhakar and Kumar, Prabhat, Modeling of Basal Ganglia to Incorporate the Procedural Memory (March 9, 2019). Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE) 2019, Available at SSRN: <https://ssrn.com/abstract=3349587> or <http://dx.doi.org/10.2139/ssrn.3349587>

Tripathi, Kailash Nath and Tripathi, Sudhakar and Mishra, R.B., Language Processing in Human Brain: Computational Aspect (March 9, 2019). Proceedings of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE) 2019, Available at SSRN: <https://ssrn.com/abstract=3349592> or <http://dx.doi.org/10.2139/ssrn.3349592>

Sudhakar Tripathi, Ravi Bhushan Mishra, Anand Kumar Sharma. "Genetic algorithm based clustering for gene-gene interaction in episodic memory", International Journal of Bioinformatics Research and Applications, 15, Issue 3, Pages 254-271, Inderscience Publishers 2019. <https://doi.org/10.1504/IJBRA.2019.101208>

Shrivastava R., Tripathi S. (2019) A New Approach of Learning Based on Episodic Memory Model. In: Pati B., Panigrahi C., Misra S., Pujari A., Bakshi S. (eds) Progress in Advanced Computing and Intelligent Engineering. Advances in Intelligent Systems and Computing, vol 713. Springer, Singapore. https://doi.org/10.1007/978-981-13-1708-8_12

Anand Bihari, Sudhakar Tripathi, Akshay Deepak, "Collaboration Network Analysis Based on Normalized Citation Count and Eigenvector Centrality", *International Journal of Rough Sets and Data Analysis (IJRSDA)* 6(1), 2019. DOI: 10.4018/IJRSDA.2019010104

Bihari A., Tripathi S. (2019) Key Researcher Analysis in Scientific Collaboration Network Using Eigenvector Centrality. In: Sa P., Bakshi S., Hatzilygeroudis I., Sahoo M. (eds) *Recent Findings in Intelligent Computing Techniques. Advances in Intelligent Systems and Computing*, vol 707. Springer, Singapore. https://doi.org/10.1007/978-981-10-8639-7_52

Chandra G., Tripathi S. (2019) A Column-Wise Distance-Based Approach for Clustering of Gene Expression Data with Detection of Functionally Inactive Genes and Noise. In: Mandal J., Dutta P., Mukhopadhyay S. (eds) *Advances in Intelligent Computing. Studies in Computational Intelligence*, vol 687. Springer, Singapore. https://doi.org/10.1007/978-981-10-8974-9_7

Bihari, A., Tripathi, S. Year based EM-index: a new approach to evaluate the scientific impact of scholars. *Scientometrics* 114, 1175–1205 (2018). <https://doi.org/10.1007/s11192-017-2625-2>

Bihari A., Tripathi S. (2018) Key Leader Analysis in Scientific Collaboration Network Using H-Type Hybrid Measures. In: Reddy Edla D., Lingras P., Venkatanareshbabu K. (eds) *Advances in Machine Learning and Data Science. Advances in Intelligent Systems and Computing*, vol 705. Springer, Singapore. https://doi.org/10.1007/978-981-10-8569-7_21

Chandra G., Deepak A., Tripathi S. (2018) A Graph-Based Method for Clustering of Gene Expression Data with Detection of Functionally Inactive Genes and Noise. In: Reddy Edla D., Lingras P., Venkatanareshbabu K. (eds) *Advances in Machine Learning and Data Science. Advances in Intelligent Systems and Computing*, vol 705. Springer, Singapore. https://doi.org/10.1007/978-981-10-8569-7_22

Shrivastava R., Tripathi S. (2018) Computational Model of Episodic Memory Formation, Recalling, and Forgetting. In: Tiwari B., Tiwari V., Das K., Mishra D., Bansal J. (eds) *Proceedings of International Conference on Recent Advancement on Computer and Communication. Lecture Notes in Networks and Systems*, vol 34. Springer, Singapore. https://doi.org/10.1007/978-981-10-8198-9_41

Bihari A., Tripathi S. (2018) Key Author Analysis in Research Professionals' Collaboration Network Based on Collaborative Index. In: Choudhary R., Mandal J., Bhattacharyya D. (eds) *Advanced Computing and Communication Technologies. Advances in Intelligent Systems and Computing*, vol 562. Springer, Singapore. https://doi.org/10.1007/978-981-10-4603-2_22

Bihari, A., Tripathi, S. EM-index: a new measure to evaluate the scientific impact of scientists. *Scientometrics* 112, 659–677 (2017). <https://doi.org/10.1007/s11192-017-2379-x>

A. Kumari, S. N. Singh, A. Bihari and S. Tripathi, "Key community analysis in scientific collaboration network," International Conference on Computing Communication and Automation (ICCCA) – 2017. Galgotia Univ., Greater Noida, India, May 05-06 - 2017, pp. 675-680, IEEE Xplore, doi: 10.1109/CCAA.2017.8229886.

Chandra G., Tripathi S. (2017) A New Approach for Clustering Gene Expression Data. In: Mandal J., Dutta P., Mukhopadhyay S. (eds) Computational Intelligence, Communications, and Business Analytics. CICBA 2017. Communications in Computer and Information Science, vol 776. Springer, Singapore. https://doi.org/10.1007/978-981-10-6430-2_5

Bihari A., Tripathi S. (2017) Key Author Analysis in 1 and 1.5 Degree Egocentric Collaboration Network. In: Behera H., Mohapatra D. (eds) Computational Intelligence in Data Mining. Advances in Intelligent Systems and Computing, vol 556. Springer, Singapore. https://doi.org/10.1007/978-981-10-3874-7_17

Bihari A., Tripathi S. (2017) A New Method for Key Author Analysis in Research Professionals' Collaboration Network. In: Chaki R., Saeed K., Cortesi A., Chaki N. (eds) Advanced Computing and Systems for Security. Advances in Intelligent Systems and Computing, vol 567. Springer, Singapore. https://doi.org/10.1007/978-981-10-3409-1_9

S. Tiwari, S. Tripathi and K. V. Arya, "Score level fusion of Iris and Fingerprint using wavelet features," 2016 4th International Conference on Parallel, Distributed and Grid Computing (PDGC-2016). JUIT , Solan, India, 2016, pp. 456-461, doi: 10.1109/PDGC.2016.7913239.

Singh U., Tripathi S. (2016) Protein Classification Using Hybrid Feature Selection Technique. In: Unal A., Nayak M., Mishra D.K., Singh D., Joshi A. (eds) Smart Trends in Information Technology and Computer Communications. SmartCom 2016. Communications in Computer and Information Science, vol 628. Springer, Singapore. https://doi.org/10.1007/978-981-10-3433-6_97

R. Kishore and S. Tripathi, "A comparative analysis of enzyme classification approaches using hybrid feature selection technique," 2016 International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2016, pp. 1-5, doi: 10.1109/ICCPCT.2016.7530354.

Anand Bihari, Sudhakar Tripathi, Manoj Kumar Pandia, "Key Author Analysis in Research Professionals' Collaboration Network based on MST using Centrality Measures", ICTCS '16: Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies March 2016, Article No.: 118, Pages 1–6, ACM DL, <https://doi.org/10.1145/2905055.2905178>

Sudhakar Tripathi, Anand Kumar Sharma, R. B. Mishra and Babita Pandey, "K MEANS CLUSTERING FOR GENE-GENE INTERACTION IN EPISODIC MEMORY", International Journal of Control Theory and Applications, Volume :- No.9 (2016) Issue No :- 11 (2016) Pages :- 5541-5548, International Science Press .

Tripathi, S. , Mishra, R.. "Computation of Induction Current in a Set of Dendrites". World Academy of Science, Engineering and Technology, Open Science Index 102, International Journal of Biomedical and Biological Engineering, (2015), 9(6), 502 - 507, 2015 , Waset,(DOI): doi.org/10.5281/zenodo.1107601

S. Triapthi and R. B. Mishra, "A computational model of STP and LTP for gene level signaling cascade in human episodic memory," Asia-Pacific World Congress on Computer Science and Engineering, Nadi, Fiji, 2014, pp. 1-8, doi: 10.1109/APWCCSE.2014.7053835.

Sudhakar Tripathi, R.B.Mishra, "A Computational Model Of Episodic Memory Encoding In Dentate Gyrus Hippocampus Sub Region As Pattern Separator Using ART Neural Network", 1 Int. Journal of Engineering Research and Applications ISSN : 2248-9622, Vol. 4, Issue 1(Version 2), January 2014, pp.451-460

Uttam Kumar Singh and Sudhakar Tripathi. Article: Assurance Liability and Security in Cloud Computing. International Journal of Computer Applications 104(16):38-41, October 2014, IJCA Online, DOI:- 10.5120/18290-9443

SudhakarTripathi, Arvind Kumar Tiwari and R.B.Mishra, "Protein Function Prediction using Artificial Neural Network (Dynamic) Model",Journal of Computational Intelligence in Bioinformatics (JCIB), Volume 6 Number 2 (2013),pp. 93-102

Sudhakar Tripathi and R B Mishra. Article: Two Phase Integrated Rule based Model (TPC-IRBM) for Clustering of Gene Expression Data of CA1 Region of Rat Hippocampus. International Journal of Computer Applications 84(6):23-29, December 2013. DOI: 10.5120/14580-2803

Sudhakar Tripathi, RB Mishra, "Comparison of Rule Based Classifiers by Pre-Learning for Clustering of Gene Expression Data", International Journal of Computational Bioinformatics and In Silico Modeling 2(6), Pages 257-261, 2013

Sudhakar Tripathi , Arvind Kumar Tiwari, R.B.Mishra, "Rule Based Model for Clustering Gene Expression Data", Proceedings of International Conference on Artificial Intelligence & Soft Computing (AISC - 2012), December-2012, pg 86-89. IIT-BHU, Varanasi, CSE Deptt,IIT(BHU), 2012

CLP Gupta, Shalini Sharma, Sudhakar Tripathi, "Importance of Management Information System in Electronic-Information Era" SAMRIDDHI : A Journal of Physical Sciences, Engineering and Technology. 1, 02 (Dec. 2010), 107-114. 2010 DOI:<https://doi.org/18090/samriddhi.v3i2.1586>.

Sudhakar Tripathi and R.B.Mishra ‘ “Data Mining Methods for Clustering of DNA Sequences”,in proceedings of National Conference On Frontiers Of Research And Development In Computational Sciences (FRDCS- 2012), March 25th- 26th, 2012,(Sponsored By UGC) MGKVP,Varanasi,U.P., India.

Sudhakar Tripathi and M.Tripathi ‘ “ANN Based Prediction of Disposal Rates in a Judicial System”, Proceedings of National Conference on Artificial Intelligence and agents:Theory & Application(AIATA) 9th -11th December 2011 ,IT- BHU, Varanasi, pg. 488-490 ,U.P., India.

Sudhakar Tripathi, Mohit Gangwar“Distributed Computing: PVM, MPI & MOSIX” in a national seminar on Distributed Computing & Networking,12 September 2008 sponsored by AICTE and organized by Lal Bahadur Shastri Institute of Development and Studies,Lucknow