

**Sri Sivasubramaniya Nadar College of Engineering**  
**Department of Computer Science & Engineering**

**Journal Publications July 2023 – May 2024**

| SCI/WOS | Scopus | Others | Total |
|---------|--------|--------|-------|
| 35      | 5      | -      | 40    |

1. Dhivya, S., Mohanavalli, S and Kavitha, S, “Automated Carcinoma Classification Using Efficient Nuclei-based Patch Selection and Deep Learning Techniques”, Journal of Intelligent & Fuzzy Systems, 10.3233/JIFS-222136, July 2023, pp.1-15. **(WoS IF:1.737) (Q3)**
2. R. Kanchana, N.G. Bhuvaneswari Amma, Ashwin S. Guptha, Selvakumar, “CLNet: A Contactless Fingerprint Spoof Detection using Deep Neural Networks with a Transfer Learning Approach”, Multimedia Tools And Applications, Vol:82, issue:21, **Clarivate, IF:SCI 3.6**, DOI:<https://doi.org/10.1007/s11042-023-16511-6>, ISSN:1573-7721, August 2023. **(Q1)**
3. S. V. Jansi Rani, Iacovos Ioannou, PrabagaraneNagaradjane , Christophoros Christophorou, Vasos Vassiliou, Harshita Yarramsetti, Sai Shridhar, L Mukund Balaji, Andreas Pitsillides, A Novel Deep Hierarchical Machine Learning Approach for identification of Known and Unknown Multiple Security Attacks in a D2D Communications Network, IEEE Access , Vol.11, **Clarivate, IF:3.476** DOI:10.1109/ACCESS.2023.3308036, ISSN:2169-3536, August 2023. **(Q1)**
4. Shahul Hamead H, T.T. Mirnalinee, D. Kavipriy, “Selective wakeup for parallel forward engines under variable load towards energy conservation in IP routers”, Wiley's Concurrency and Computation: Practice and Experience, **Clarivate, IF:2.0** DOI: 10.1002/cpe.7881, ISSN:1532-0634, August 2023. **(Q3)**
5. Kavitha Srinivasan, Venkatesh D, Comparative Analysis of Ensemble Learning Techniques with SMOTE for Medical Dataset, Indian Journal of Natural Sciences, Vol:14, issue:79, **Clarivate, IF:Nil**, DOI:-, ISSN:: 0976 – 0997, August 2023.
6. Rajalakshmi S, Milton R.S., Mirnalinee T. T, “Factoring textual reviews into user preferences in multi-criteria based content boosted hybrid filtering (MCCBHF) recommendation system”, AI Communications, Vol:36, issue:3, **Clarivate, IF:0.8**, DOI:10.3233/AIC-220122, ISSN:0921-7126, August 2023. **(Q3)**
7. Kishore, A., Venkataramana, L., Prasad, D. V. V., Mohan, A., & Jha, B. (August 2023). “Enhancing the prediction of IDC breast cancer staging from gene expression profiles using hybrid feature selection methods and deep learning architecture”. Medical & Biological Engineering & Computing, **IF: 3.079**, 61(11), 2895-2919, First Online 2 August 2023, DoI: <https://doi.org/10.1007/s11517-023-02892-1> **(Q2)**
8. Venkata Vara prasad, Suresh Jaganadhan, Santosh Sivan `` Prediction of water quality using Machine learning algorithms and Rough set theory", European Chemical Bulletin, 2023,12(10), 11735-11744, August 2023. **(Scopus) (Q3)**

9. Mirnalinee, TT, J. Bhuvana, and SB Vinodhinisri. "A Data Hiding Approach for Secured Data Communication." *Romanian Journal Of Information Science And Technology*, Vol.26, no. 3-4, September 2023, pp.339-350. **(WOS IF: 0.643)**
10. Veeramani KARTHIKA, Suresh Jaganathan(2023),"iLEDGER: A lightweight blockchain framework with new consensus method for IoT applications", *IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences*, Vol.E106-A,No.9, pp: 1251-1262,doi:10.1587/transfun.2022EAP1088 **(SCIE)**, September 2023. **(Q4)**
11. Bharathi B., Saranya.S,G.Sneha Shrinithi Radhakrishnan Shrisathvika V.A, "Question Quality Assessment in Online Diagnostic Examinations", *Indian Journal of Natural Sciences*, Vol:14, issue:80, **Clarivate**, **IF:Nil**, Quartile: Nil, ISSN:0976 – 0997, October 2023.
12. Sathya Madhusudhanan, Suresh Jaganathan, Dattuluri Venkatavara Prasad (2023), "Convolutional auto-encoded extreme learning machine for incremental learning of heterogeneous images", *International Journal of Electrical and Computer Engineering (IJECE)*, Vol.13, No.5, October 2023, pp. 5853-5864, **(Scopus)** doi:10.11591/ijece.v13i5.pp5853-5864
13. Mandyam S., Shanmuga Priya M.G., Shalini S. and Kavitha S. (2023), A Correlation analysis and visualization of climate change using post-disaster heterogeneous datasets, *Global NEST Journal*, 25(7), 155-165, October 2023. <https://doi.org/10.30955/gnj.004382>, **IF:1.4**, Print Edition ISSN: 1790-7632 **(Q3)**
14. D. Shankar, G.Victo Sudha George, N. Kanya, Saraswathi S, "Lightweight Hybrid CAE-ELM and Enhanced Smote Based Intrusion Detection for Network", *International Journal of Intelligent Engineering & Systems*, Vol:16, issue:6, Scopus, **IF:0.28**, DOI:<https://oaji.net/articles/2023/3603-1698223687.pdf>, ISSN:2185-3118, October 2023. **(Q3)**
15. S. M. Dhannya ; N. S. Narayanaswamy ; K. K. Nisha, "Exactly Hittable Interval Graphs Discrete Mathematics and Theoretical Computer Science", vol. 25:3 special issue ICGT'22 - <https://doi.org/10.46298/dmtcs.10762>, November 2023. **(WoS) (Q2)**
16. Kalaivani Adaikkan and Durairaj Thenmozhi. "Detecting offensive language using Chaotic Ant Lion optimization-based Ghost net in social media." *Journal of Intelligent & Fuzzy Systems*, Volume 45, pages 8775-8788, DOI: 10.3233/JIFS-232217, IOS Press, **WoS** , November 2023. **(Q2)**
17. Venkata Vara Prasad D , Lokeswari Y Venkataramana,Keerthan, Subha R,"Optimization of Deep CNN Techniques to Classify Breast Cancer and Predict Relaps", *Journal of Advanced Zoology*, ISSN: 0253-7214, Volume 44 Issue 04 Year 2023 Page 774:787, November 2023. <https://doi.org/10.17762/jaz.v44i4.2182> **[WOS,IF 0.188]**
18. Bharathi B, Aarthi Vilapakkam SATHISH Akilan KALAISELVAN Christina Eunice JOHN, Build Your Own Band (BYOB): Generating instrumental accompaniments for a melody, *Romanian Journal of Information Technology and Automatic Control*, Vol:33, issue:4, **Clarivate**, **IF:Nil**, DOI:<https://doi.org/10.33436/v33i4y202308>, ISSN:1220-1758, December 2023.
19. Shahul Hamead H, Mirnalinee Kavipriya D, "A novel eviction policy based on shortest remaining time for software defined networking flow tables" , *Wiley International Journal of Network Management*, Vol:Online First Edition, **Clarivate**, **IF:1.5** DOI:<https://doi.org/10.1002/nem.2257>, ISSN:1099-1190, December 2023. **(Q2)**

20. S.V.Jansi Rani, ASP/CSE S. Ganesh, M .Gayathri and S .Harshini, Wearable Safety Device for Women with Voice Recognition, Indian Journal of Natural Sciences, Volume 14(8),2023. **IF 1.733**, December 2023.
21. Veerappan Sundari, Jansi Rani Sella Veluswami, ASP/CSE "Fish counting through underwater fish detection using deep learning techniques." Romanian Journal of Information Technology and Automatic Control 33, Vol. no. 4 (2023): 69-80. **IF:0.09** <https://doi.org/10.33436/v33i4y202306>, December 2023. **.(ESCI)**
22. V S Felix Enigo, Rajashree S, Sneha V, Sahir Rahaman, "Classification and localization of gastric cancer using Multi-Information Fusion Network", Romanian Journal of Information Technology and Automatic Control, Vol. 33, No. 4, pp.109-120, December 2023.**(ESCI)**
23. Felix Enigo V. S., Monisha Munivel, Research Scholar, MLIBT: A multi-level improvised binarization technique for Tamizhi inscriptions , Expert Systems With Applications, Vol.236, **SCIE IF:8.5**, DOI:<https://doi.org/10.1016/j.eswa.2023.121320>, ISSN:1873-6793, February 2024.**(Q1)**
24. Venkata Vara Prasad D , Lokeswari Y Venkataramana. Balasubramanian, Divya.K "Multivariate Time Series Forecasting for Water Quality Prediction using ML and DL Models" in Indian Journal of Natural Sciences, Vol.14 / Issue 82 / Feb / 2024, 69784-69794, ISSN: 0976 – 0997.**[WoS]**
25. Venkata Vara Prasad D , Lokeswari Y Venkataramana Vikram V, Vyshali S. and Shriya B "Water quality prediction using statistical, ensemble and hybrid models" in Global NEST Journal, Vol 26, No X, pp 1-9 Feb 2024 **[SCIE IF 1.134] (Q3)**
26. Venkata Vara Prasad, Srinivas Gumparti ,Gayathri G L Haricharan Bharathi,Bhargavi R "Evaluation of ML models' Efficiency in Predicting Economic Indicators" in NOVYI MIR Research Journal ,pp 32-40, VOLUME 9 ISSUE 2 2024, ISSN NO: 0130-7673**[WoS]**.
27. Durairaj Thenmozhi, Martha Karunakar, Kayalvizhi Sampath and Shreya Sriram, Sarah Aymen, "Data Set Creation and Empirical Analysis to Detect Sentiments in Tulu Text", Indian Journal of Natural Sciences, Vol. 14, No. 82, pp. 68815-68825, 2024, Print ISSN: 0976 – 0997.(DOI :Nil) **(WoS)**
28. Lakshmi Priya Swaminatha Rao, Suresh Jaganathan,, Adaptive Bayesian contextual hyperband: A novel hyperparameter optimization approach, International Journal of Artificial Intelligence , Vol:13, issue:1, **Scopus :0.402**, DOI:10.11591/ijai.v13.i1.pp775-785, ISSN:2252-8938, March 2024.**(Q2)**
29. Beaula C, Venugopal P and Sujaudeen N., "Encryption and Decryption Using Decomposition of Complete Graph  $K_3(6n+1)$ ", Malaysian Journal of Mathematical Sciences, Accepted, March 2024, pp.1-27. **(WoS IF:0.5) (Q4)**
30. Srinivas Gumparthi , Venkata Vara Prasad, Bhargavi Rentachintala, Vignesh G R And Vaseekaran S "Volatility Analysis Using Machine Learning For Improved Investment Decisions", Journal Of Research Administration,Vol. 6 No. 1,Pp 4760-4769,ISSN:1539-1590, March 2024. | E-ISSN:2573-7104 **[ESCI]**
31. R. Priyadharsini A. Beulah and Srivarsha E, "Cell classification in microscopic images for anemia detection", Romanian Journal of Information Technology and Automatic Control, Vol:34, issue:1, **Clarivate, IF:0.5**, DOI:<https://doi.org/10.33436/v34i1y202401>, ISSN:1220-1758
32. Micheal Berdinanth, Samah Syed, Shudhesh Velusamy, Angeldeborah S, Rajalakshmi S, "Analysis of traditional machine learning approaches on heart attacks prediction", Romanian Journal of Information Technology and Automatic Control, Vol:34, issue:1, April 2024. **(ESCI IF:0.5)**, DOI:<https://doi.org/10.33436/v34i1y202403>, ISSN:1841-4303. **(Q4)**

33. Mirmalinee T T, S Benisha, “Smart-ESP System for Emotion Strength Prediction for Static Facial Images”, Wireless Personal Communications, Vol:134, issue:134, **SCIE IF:0.59**, April 2024. DOI:<https://doi.org/10.1007/s11277-024-10993-9>, ISSN:09296212, 1572834X **(Q2)**
34. Shimi G, Jerin Mahibha C, Thenmozhi D, “An Empirical Analysis of Language Detection in Dravidian Languages”, Indian Journal of Science and Technology, Vol:17, issue:15, **Clarivate**, **IF:nil**, April 2024. DOI:<https://doi.org/10.17485/IJST/v17i15.765>, ISSN:0974-6846.
35. Ayesha Riyajuddin Mujawar C. Karthikeyini Durairaj Thenmozhi Sathyakala S Vijayalakshmi Pasupathy K. Dhayalini. , “Comparative Analysis of Deep Learning in Detecting Cognitive Impairment Associated With Alzheimer’s Disease”, International Journal of Intelligent Systems and Applications in Engineering, Vol:12, issue:20S, Scopus, **IF:0.23**, April 2024. DOI:<https://ijisae.org/index.php/IJISAE/article/view/5184>, ISSN:2147-6799 **(Q3)**
36. Angel Deborah S, Rajalakshmi S, Beulah A, Vignesh Hariharan K, Santhosh J, Santhosh S, Sreehari R and Sri Krishna M, “Smart Wildlife Vehicle Collision Detection System”, Indian Journal of Natural Sciences, Vol:15, issue:83, Clarivate, IF:2.742, ISSN:0976 – 0997.**(WoS)**
37. Bhuvana Jayaraman, Mirmalinee. T. T, A. Anand, and K. R. Anandan, "Detecting malicious IoT traffic using Machine Learning techniques," Romanian Journal of Information Technology and Automatic Control, vol. 33, no. 4, pp. 47-58, 2023, December 2023 Available: ISSN 1220-1758 **(ESCI)**
38. M. Revathi and G. Raghuraman (2023), “Kidney Stone Detection from CT Images Using ALEXNET and Hybrid ALEXNET-RF Models”, Journal of Circuits, Systems and Computers, Vol.33, No.06, October 2023, **(SCIE) (Q4)** <https://doi.org/10.1142/S021812662450107X>
39. S. Indira Priyadharsini., Raghuraman, G. and SaiRamesh, L. “Fuzzy C-Means Segmentation and Hybrid DarkNet-SVM Model for Tumor Detection in Homo Sapiens Through CT Images”. Journal of Electrical Engineering & Technology, Vol. 19, pp.2683–2691 <https://doi.org/10.1007/s42835-023-01750-2> **(SCIE) (Q4)**
40. Monisha Munivel, V S Felix Enigo, “Performance of Binarization Algorithms on Tamizhi Inscription Images: An Analysis”, ACM Transactions on Asian and Low-Resource Language Information Processing, Volume 23, Issue 5, Article No.: 71, pp 1–29. <https://doi.org/10.1145/3656583>, **(SCIE IF: 2.0) (Q2)**

**Faculty In-Charge**

**HOD, CSE**