

## PUBLICATIONS

### INTERNATIONAL JOURNALS

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3. **Shanthi**, S. and Kumar, D. "Continuous Glucose Monitoring Sensor Data: Denoising with Hybrid of Neural Network and Extended Kalman Filter Algorithm", European Journal of Scientific Research, (EJSR), Vol.66, No.2, pp. 293-302, **2011**.
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7. **Shanthi**, S. "Customized Prediction of Heart Disease with Adaptive Neuro Fuzzy Inference System", International Journal of Advanced Research in Computer and Communication Engineering, Vol.6, Issue 2, Feb **2017**. DOI: 10.17148/IJARCC.2017.6204.
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9. R. Deepalakshmi , R. Vanitha , M. Shivashankari , J. Jeyarani , **S. Shanthi** , " Air Quality Measurement: Digital Dashboard Using Smartphone ", International Journal Of Scientific Research In Network Security And Communication (IJSRNSC) ", Volume 10, Issue 1, **2022**. (UGC)
10. Nageswaran Usha Bhanu, Prathaban BanuPriya, Tiruveedhula Sajana, **Shanmugasundaram Shanthi**, Murugan Mageshbabu, Erram Swarnalatha, Kuntiyellannagari Bhagya Laxmi, Kannabiran Saravanan, "Dingo algorithm-based forwarder selection and huffman coding to improve authentication", *Indonesian Journal of Electrical Engineering and Computer Science* , Vol. 32, No. 1, October **2023**, pp. 432~440, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v32.i1.pp432-440 (Scopus)
11. Shakila Banu F, **S. Shanthi** "An Efficient and power Conserving backpressure Scheduling Algorithm with gradient Assistant for Wireless Sensor Network" *Bulletin For Technology And History* Vol. 23, No. 1, December **2023** (UGC)
12. G Sajiv, G. Ramkumar, **S. Shanthi**, Arunachalam Chinnathambi, Sulaiman Ali Alharbi, "Predicting Breast Cancer Risk from Histopathology Images using Hybrid Deep Learning Classifier", *Medical Engineering&Physics*, **2024**, 104149, ISSN1350-4533,

<https://doi.org/10.1016/j.medengphy.2024.104149>. (SCI Ret)

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3. V. RamKumar, S. Shanthi, K. S. Kumar, S. Kanageswari, S. Mahalakshmi and R. Anusuya, "Internet of Things Assisted Remote Health and Safety Monitoring Scheme Using Intelligent Sensors," 2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Chennai, India, 2023, pp. 1-8, doi: 10.1109/ACCAI58221.2023.10199766. (Scopus)
4. K. Priyadharshini, S. Shanthi, R. Ashwini, T. Joel and T. V. V. Satyanarayana, "A Logical Design of Robust Methodology to Detect and Classify Melanoma Disease using Hybrid Deep Learning Principles," 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), Chennai, India, 2023, pp. 1-6, doi: 10.1109/ICSES60034.2023.10465389. (Scopus)
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6. **S. Shanthi**, B. Maruthu Kannan, G. S, R. Babuji, S. Sivakumar and N. Malathi, "Optimizing City Transit: IoT and Gradient Boosting Algorithms for Accurate Bus Arrival Predictions ", 2024 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE), Bangalore, India, 2024, pp. 1-5, doi: 10.1109/IITCEE59897.2024.10467430. (Scopus)
7. Mahesh A; Santosh Kumar Sahoo; Kanya Devi J; E. Hemavathi; **S. Shanthi**; S Murugan, "Accurate Soil Organic Carbon Prediction with Convolutional Neural Networks and Remote Sensing Data", 2025 International Conference on Computing and Communications (COMPUTINGCON) Pune, India. Sep 01-03, 2025. 979-8-3315-2253-7/25/\$31.00 ©2025 IEEE
8. Elavel Visuvanathan G; Dinesh Babu K; E. Punarselvam; S. Vijayalakshmi; S. Shanthi; C. Srinivasan, "Sustainable Crop Evaluation and Transparent Trading in Urban Farming Using Deep Learning", 2025 IEEE 4th International Conference for Advancement in Technology (ICONAT) Goa, India. Sep 19-21, 2025. 979-8-3315-9573-9/25/\$31.00 ©2025 IEEE
9. R. Ganesan; Cheepurupalli Raghuram; k S Rajesh; E. Hemavathi; **S. Shanthi**; M. Muthulekshmi, "Smart Aquaculture for Fish Counting and Weight Estimation using YOLOv5", 6'th

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