

List of publications (Paper published during last 5 years)

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INTERNATIONAL JOURNALS:

1. DMEERP: A Dynamic Multi-hop Energy Efficient Routing Protocol for WSN, Vol. 79, Microprocessors and Microsystems, pp. 103291, 2020.
2. Performance Analysis of Glioma Brain Tumor Segmentation Using Ridgelet Transform and Co-Active Adaptive Neuro Fuzzy Expert System Methodology p, Journal of Medical Imaging and Health Informatics, Vol.10, pp. 2642-2648, 2020.
3. Breast Cancer Detection Method- A Survey using Digital Mammographic technique, international journal of Advanced science and technology, Vol. 29, pp. 4615-4619, 2020.
4. A Survey on Soft Computing Based Brain Tumor Detection Techniques using MR Images, Journal of Seybold Report, Vol.15 Issue 9, 2020.
5. Neural network for an efficient Automated Classification of cervical cancer using Pap smear images, Journal of Seybold Report, Vol.15 Issue 9, 2020.
6. A Survey on Soft Computing Based Brain Tumor Detection Techniques using MR Images, Journal of Seybold Report, Vol.15 Issue 9, 2020.
7. Neural network for an efficient Automated Classification of cervical cancer using Pap smear images, Journal of Seybold Report, Vol.15 Issue 9, 2020.
8. Classification of Blood Cells in Microscopic Images Using Artificial Neural Network and Feature Extraction Technique, Science Publications, 244, 5th Avenue, New York, NY 10001, American Journal of Applied Sciences, Vol. 9, No. 5, pp. 615-619, 2012, ISSN 1546-9239.
9. Feature Extraction and Classification of Blood Cells Using Artificial Neural Network, American Journal of Applied Sciences, ISSN: 1553- 3468, Vol. 9, No. 5, pp. 615 (Annexure -II).

10. On-Chip Thermal Management Technique for Low-power CMOS Circuit has published on international Journal of Computer Science and Information Technology & Security (IJCSITS), ISSN: 2249-9555, Vol. 2, No.4, August 2012.
11. Design of Wave Pipelined Based LDPC Decoder And Implementation Using Adaptive Message Control, International Journal of Advanced Information Science and Technology, Vol. 18, No. 18, 2013, ISSN: 2319-2682.
12. Performance Analysis of Impulse Noise Reduction using Pseudo Random Methodology, Medwell journals publisher on Research Journal of Applied Sciences, ISSN: 1815932X, E ISSN: 19936079 (Annexure -II).
13. FPGA Implementation of Impulse Noise Analysis of Impulse Noise Reduction in Images, American Journal of Applied Science, Vol. 11, No.7, pp. 1041-1048, ISSN: 1553- 3468, (Annexure - II).
14. VLSI Implementation and Quality Analysis for High Density Impulse Noise, Information-An International Interdisciplinary Journal, Vol.17, Article ID 14135, No.6, 11 Pages, 2014, (Annexure I – Impact Factor: 0.36).
15. Efficient Path Selection in MANETs Using AESP Protocol, Information-An International Interdisciplinary Journal, pp.2311-2320, 2014 (Annexure I – Impact Factor: 0.36).
16. Design of Register Element for Low Power Clocking System, Information-An International Interdisciplinary Journal, pp.2903-2914, 2014 (Annexure I – Impact Factor: 0.36).
17. A Denoising Architecture for Removing Impulse Noise in Image has published on International Journal on Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN: 2319-8753, Vol. 3, Special Issue 1, pp 619 to 622, Feb 2014.
18. FPGA Implementation of Denoising Architecture for Impulse Noise Removal has published on International Journal on Image Processing and Applications (IJIPA), ISSN: 0975-8178, Vol. 5, Issue 1, pp.1 to 4, January - June 2014.
19. Advanced Impulse Detection & Reduction Based on Multimodal Filter, International Journal of Engineering and Technology, Vol. 6, No. 3, pp. 1416-1423.
20. Image Fusion and Denoising Technique: Survey, International Journal of Innovative Research in Computer and Communication Engineering, Vol. 2, No. 1, pp. 2821-2825.
21. Image Fusion and Improving Classification Accuracy: A Survey, International Journal of Engineering Sciences & Research Technology, Vol. 3, No. 11, pp. 496-500.

22. FPGA Implementation of Image Quality Estimation: Survey, International Journal of Applied Engineering Research, Vol. 9, No. 22, pp. 14343-14348.
23. Fusion of Multispectral and Satellite Images of Urban Area, International Journal of Applied Engineering Research, Vol. 10, No.5, 2015, pp. 4739-4744, ISSN 0973-4562.
24. Image Quality Estimation, International Journal of Applied Engineering Research, Vol. 10, No.5, 2015, ISSN 0973-4562.
25. EE-LEACH: Development of Energy-Efficient LEACH Protocol for Data Gathering in WSN, EURASIP Journal on Wireless Communications and Networking, Vol. 76, pp. 4-9, 2015.
26. Automated Detection of Glioblastoma Tumor in Brain Magnetic Imaging Using ANFIS Classifier, International Journal of Imaging Systems and Technology, Vol. 26, No. 2, pp. 151-156, 2016 (Annexure I – Impact Factor: 1.3).
27. Brain Tumor Detection and Diagnosis Using ANFIS Classifier, International Journal of Imaging Systems and Technology, Vol. 26, No. 2, pp. 157-162, 2016 (Annexure I – Impact Factor: 1.3).
28. Non Complementary Clocked Logic Circuit for Arithmetic Circuit Design, Advances In Natural And Applied Sciences, Vol. 9, No. 9(17), pp. 145-153, 2016 (Annexure II).
29. Histogram Modification Framework for Image Contrast Enhancement and Brightness Preserving, Medwell Publishers, Vol. 15, No. 2, pp. 217-222, 2016 (Annexure-I).
30. Prediction Based Location Estimation in Wireless Sensor Network, Asian Journal of Information Technology, Vol. 15, No. 2, pp.191-198, 2016 (Annexure-I).
31. Analysis of Euclidean Denoising Algorithm for Medical Image Modalities, Asian Journal of Information Technology, Vol. 15, No. 2, pp. 184-190, 2016 (Annexure-I).
32. Performance Analysis of Semi Supervised Approach in Dental Field: Survey, International Journal of Bio Sciences and Engineering, Vol. 4, Issue 11, Pages 1-9, 2016.
33. Brightness Preserving Bi-Level Fuzzy Histogram Equalization for MRI Brain Image Contrast Enhancement, International Journal of Imaging Systems and Technology, Vol. No. 27, Issue 2, Page, 153-161. 2017. (Annexure I – Impact Factor: 1.3)
34. Image Registration-Based Brain Tumor Detection and Segmentation Using ANFIS Classification Approach, International Journal of Imaging Systems and Technology, 2019. (Annexure I – Impact Factor: 1.3)
35. Computer aided automated detection and classification of brain tumors using

CANFIS classification method, International Journal of Imaging Systems and Technology, Feb 2019. (Annexure I – Impact Factor: 1.3)

NATIONAL CONFERENCES:

1. National Conference on Signal Processing and Communication Systems, “Wireless Configurable Smart Irrigation System”, at M.Kumarasamy College of Engineering, Karur on 07th March 2019.
2. 4th National Conference on “Recent Trends in Communication, Computation & Security” at Bharath Niketan Engineering College, Theni on 14th March 2018.
3. 10th National Conference on “Next Generation Technology in Computing & Communication” at PSNA College of Engineering & Technology, Dindigul on 13th April 2017.
4. IETE Sponsored National Conference on “Research Trends in Communication and Information Technology (NCRTCIT’17)” at SSM Institute of Engineering and Technology, Dindigul on 3rd March 2017.
5. National Conference on “Networking, Communications and Data Analysis – NCDA’14” at Hindusthan College of Engineering and Technology, Coimbatore on 12th – 13th February 2014.
6. National Conference on “Emerging Trends in VLSI, Intelligent Signal Processing and Communication” at Jayaram College of Engineering and Technology, Tiruchirappalli on 21st – 22nd March 2013.
7. National Conference on “Computer Communication and Signal Processing” at SSM College of Engineering on 22nd February 2012.
8. National Conference on “Recent Advances in VLSI and Embedded Systems (RAVE)” at Sudharsan Engineering College sponsored with CSIR on 23rd February 2011.
9. 3rd National Conference on “Automated Control, Computer and Communication – NACCC’10” at Hindusthan College of Engineering and Technology, Coimbatore on 25th – 26th March 2010.
10. National Conference on “Recent Trends in Instrumentation” at RVS College of Engineering & Technology, Dindigul on 4th December 2009.
11. National Conference on “Networking and Information Computing (NCNIC-09) on 4th April 2009.
12. 2nd National Conference on “Intelligent Computing and Automation – Instruvision 2kg” at Kamaraj College of Engineering and Technology, Virudhunagar on 13th March 2009.

13. National Conference on “Vision of India with Technological Excellences” at The Indian Engineering College, Vadakkankulam on 7th – 8th February 2008.

INTERNATIONAL CONFERENCE:

1. International conference on Recent Innovations in Engineering’18, “Brain Tumor An Overview of Various Classifiers and Diagnosis Methods”, at Sri Subramanya College of Engineering and Technology, Palani on 24th March, 2018.

2. International conference on Internet of Things and Challenges (ICITC-2017), “VLSI Implementation of ECG Feature Extraction : A Literature Review”, at Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai on 14th – 15th December 2017.

3. International conference on Electrical, Electronics, Instrumentation And Computer Communication in the title of “Non Complementary clocked logic circuit for Arithmetic Circuit Design” at Karpagam College of Engineering, Coimbatore on 18th & 19th December 2015.

4. 3rd IEEE International conference on COMMUNICATION AND SIGNAL PROCESSING in the title of “Performance Analysis of Impulse Noise Reduction Using Cloud Algorithm” at Adhiparasakthi College of Engineering and Technology, Chennai on 3rd to 5th April 2014.

5. International Conference on Recent Innovations in Engineering, “Performance Analysis of Image Fusion and Denoising Technique”, at Sri Subramanya College of Engineering and Technology, Palani on 13th – 14th March, 2014.

6. International conference on Global Innovations in Computing Technology ICGICT’14, “Image Fusion and Denoising Technique : Survey”, at Jay Shriram Group of Institutions, Tirupur on 6th – 7th March 2014.

7. International conference on Communications and Signal Processing (ICCSP’2013) in the title of “Low power design based on OTDM technique” at Adhiparasakthi College of Engineering and Technology, Chennai on 3rd to 5th April 2013.

8. International conference on Intelligent Information System and Management, IISM-10 in the title of “Low power and High Speed VLSI Fuzzy Inference Processor for Design Switching Internet Router” at SSM College of Engineering, Kumarapalayam, Namakkal on 21st – 23rd September 2011.

9. International conference on Intelligent Information System And Management, IISM-10 in the title of “Power Optimized Swarm Robots Using VLSI Technology” at RVS College of Engineering and Technology, Coimbatore on 10th to 12th June 2010.

a) List of project completed indicating briefly title, sponsoring agency, duration and outcome of project.

Sl. No.	Title of the Project/ Consultancy Work	Agency/ Company	Status (Applied/ Received)	Grant Amount
1	EEG Signal processing algorithm for monitoring Cognitive status (2013)	DRDO	Received	Rs. 9 lakhs
2	VLSI Architecture for Medical Signal Processing Application, CSIR Sponsored (2017)	CSIR (Sponsored)	Received	Rs. 50,000/-
3	Artificial Perception machine learning for human robot Interface (2019)	CSIR	Received	Rs.30,000/-
4	Detection of Sleep Disturbances and Effect of Music on Sleep Quality	Indian Council of Medical Research (ICMR) -	Acceptable for developing in the form of full proposal	15 Lakhs