

PUBLICATIONS IN JOURNALS SINCE 2014

| S. No. | National/International | Title | Name of the Journal | Author(s) | Month & Year |
|--------|------------------------|---|--|--|----------------|
| 1 | International | Low-Complexity Selected Mapping Scheme Using a Bank of Butterfly Circuits in Orthogonal Frequency Division Multiplexing Systems | Wireless Personal Communications (Springer Publications) | M. V. S. Sairam, Shaik Riyaz, R. MadhuV. Hari ni | April 2018 |
| 2 | International | Reduction of Reporting Time for Throughput Enhancement in Cooperative Spectrum Sensing based Cognitive Radio | International Journal of Intelligent Engineering and Systems | M. V. S. Sairam, M. Sivaparvathi | February 2018 |
| 3 | International | Oppositional Gravitational Search Algorithm and Artificial Neural Network-based Classification of Kidney Images | Journal of Intelligent Systems | S.M.K. Chaitanya, P. Rajesh Kumar | February 2018, |
| 4 | International | Cybercrime Security Implementation Using Hardware Based Anti – Keylogger | International Journal of Advanced Research in Science and Engineering, | D.B.V Jagannadham , Mr.D.AjitVarma | December 2017 |
| 5 | International | Segmentation of Brain Images for Tumor Detection using Neuro-Fuzzy Inference System | International Journal of Current Engineering and Scientific Research | ChalumuriRevathi, B. Jagadeesh, | December 2017 |
| 6 | International | PAPR Reduction in using Extended BCH Code with Biasing Vector technique in OFDM System | International Journal of Engineering Research and Development | M. V. S. Sairam, ShaikRiyaz | November 2017 |
| 7 | International | PAPR Reduction in SLM Scheme using Exhaustive Search Method | European Journal of Advances in Engineering and Technology | M. V. S. Sairam | November 2017. |
| 8 | International | Robust retinal blood vessel segmentation using line detectors with multiple masks | IET Image Processing, | BirendraBiswal, T. Pooja ,N. Balasubramanyam | November 2017. |
| 9 | International | Scientific Calculator using EduARM Board | International Journal of Scientific Research and Review | A M ChJyothi, N Santoshi, | November 2017. |
| 10 | International | Enhancement of Error Performance in OFDM System with Extended Hamming Code under various Channels | Journal of Network Communications and Emerging Technologies | M. V. S. Sairam, K. Lavanya | October, 2017. |

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|----|---------------|--|--|--|-----------------|
| 11 | International | Novel Approach in Cross-Spectral signal Analysis using Interferometry Technique. | International Journal of Engineering Technology Science and Research | D.B.V.Jagannadham | October, 2017 |
| 12 | International | Performance Analysis of OFDM System Using Pilots, Coding Bounds and MAP Decoder for Next Generation Applications | International Journal on Communications Antenna and Propagation, | SrinuPyla, K. Padma Raju, N. Balasubrahmanyan | October, 2017 |
| 13 | International | ECG Signal Noise Reduction for Detecting Different Cardiac Disorders | International Journal of Electronics, Electrical and Computational System | DBV Jagannadham, B.Sharifabi, P.Ganesh | September 2017 |
| 14 | International | Low Power FinFET Based Full Adder Design | International Journal of Advanced Research in Computer and Communication Engineering | K. Naresh Kumar, M. Vamsi Prasad | August 2017 |
| 15 | International | A Novel Signature Based Watermarking Approach for Color Images Based On GA and PSO | International Journal of Computational Engineering Research | R. Surya PrakasaRao, P. Rajesh Kumar | July 2017 |
| 16 | International | Study of various compensation models for Transmitter Leakage in Carrier Aggregation Applications | International Journal of Innovative Technology and exploring engineering, | Ch. Rambabu, J BhaskaraRao. | 2017 |
| 17 | International | A Normalized SVD based Image Watermarking with an Enhanced Robustness and Imperceptibility | International Journal of Engineering and Technology | R. Surya PrakasaRao, P. Rajesh Kumar | June, 2017 |
| 18 | International | Digital Signature based Image Watermarking using GA and PSO | International Journal of Engineering Research & Technology | R. Surya PrakasaRao, P. Rajesh Kumar | June – 2017 |
| 19 | International | GA Based Digital Image Watermarking for Enhanced Robustness and Imperceptibility | IOSR Journal of Computer Engineering | R. Surya PrakasaRao, P. Rajesh Kumar | May.-June. 2017 |
| 20 | International | Design and implementation of 4-bit ALU using FINFET Technology | International Journal of Innovative Research in | A. Nagamalli, N. Vivek, O. Naga Sai, P. Swathi | May 2017 |

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|----|---------------|--|---|--|----------------|
| | | | Computer and Communication Engineering | | |
| 21 | International | Design and implementation of Linear Feedback shift Register based physical unclonable function” | International Journal of Advanced Research in Computer and Communication Engineering | A. Nagamalli, P. Avinash, K. B. S. Akhil, K. Manoj Kumar | May 2017 |
| 22 | International | ECG Signal Analysis Using Modified S-Transform | Healthcare Technology Letters, IET London, | Birendra Biswal, | May, 2017 |
| 23 | International | Non-stationary signal classification via modified fuzzy C-means algorithm and improved bacterial foraging algorithm | International Journal of Numerical Modelling: Electronic Networks, Devices and Fields | G. Sahu, B Biswal, A. Choubey | March, 2017 |
| 24 | International | Robust Direction of Arrival Estimation using Subspace Methods | International Journal of Computer Applications | Ch. Kusuma Kumari, G. Radha Kumari | February 2017 |
| 25 | International | Another Look in the Analysis of Cooperative Spectrum Sensing over Nakagami-m Fading Channels | IEEE, Transac. on Wireless Communications | Debasish Bera, I. Chakrabarti, S. S. Pathak, George K. Karagiannidis | February, 2017 |
| 26 | International | Pass Transistor-Based Pull-Up/Pull-Down Insertion Technique for Leakage Power Optimization in CMOS VLSI Circuits | Circuits Syst Signal Process, Springer Science +Business Media New York | V. Leela Rani, M. Madhavi Latha | November, 2016 |
| 27 | International | Implementation of MESI Protocol Using Verilog | International Journal of Advanced Research in Computer and Communication Engineering, | Penmetsa Durga Devi, Tammineni Ravindra | October 2016. |
| 28 | International | Implementation of Low power Level Shifter with Logic Error Correction Circuit for Extremely Low-Voltage Digital Circuits | International Journal of Advanced Research in Computer and Communication Engineering | Kadam Sai Srinivas, Sagar Krishna Sivvam | October 2016 |

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| 29 | International | High Performance Vedic Multiplier Design using Compressors | International Journal of Advanced Research in Computer and Communication Engineering | BhavanaSripurapu, K. Naresh Kumar | October 2016 |
| 30 | International | Side lobe Reduction using Frequency modulated Pulse Compression Techniques in Radar | International journal of Latest Trends in Engineering and Technology | Raghupatrunije vanmai, N. Deepika Rani, | September , 2016 |
| 31 | International | Comparative Analysis of Performance of Phase Coded Pulse Compression Techniques | International Journal of Latest Trends in Engineering and Technology | P. KeerthiSilpa , N. Deepika Rani and N. BalaSubrahmanyam | September , 2016 |
| 32 | International | Copyright Protection of Digital Images using FIS-BPNN Technique in Hybrid Transform Domain | ,International Journal of Innovative Research in Science, Engineering and Technology | Podili Brahma Srinu, B. Jagadeesh | October 2016. |
| 33 | International | Robust Digital Image Watermarking based on Fuzzy Inference System and Back Propagation Neural Networks using DCT | Springer Journal of Soft Computing | B Jagadeesh, P. Rajesh Kumar, P. Chenna Reddy | September 2016 |
| 34 | International | Medical Image Security Using Watermarking In Back Propagation Neural Network | International Journal for Research in Applied Science & Engineering | A.N.S. Anusha, Y. Ratna Kumar | September 2016 |
| 35 | International | Fuzzy Inference System Based Robust Digital Image Watermarking in DWT-DCT Domain Using Human Visual System | International Review on Modelling and Simulations | B Jagadeesh, P. Rajesh Kumar, P. Chenna Reddy | August 2016 |
| 36 | International | Amplitude and Phase Synthesis of Linear Array for Sector Beams using Modified Harmony Search Differential Evolution Algorithm | SSRG International Journal of Electronics and Communication Engineering | ThotaVidhyavathi | August 2016 |
| 37 | International | Investigation on the Radiation Patterns for the Combination of Array of Isotropic Radiators and Array of Practical Elements | International Journal of Informative & Futuristic Research | ThotaVidhyavathi, | July 2016. |



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| 38 | International | Implementation of Array Synthesis using LABVIEW for Radar Applications | International Journal of Scientific Development and Research | Y. Sivakumar, T. Vidhyavathi, | , July 2016. |
| 39 | International | Particle Swarm Optimization Algorithm for Leakage Power Reduction in VLSI Circuits | International Journal of Electronics and Telecommunications | V. Leela Rani, M. MadhaviLatha, | June, 2016. |
| 40 | International | Analysis and Design of Microstrip array for Radar Applications | International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering | T. Vidhyavathi, Y.V.S. Bhavana, S. Aravinda Kumar, | June 2016. |
| 41 | International | Reconfigurable Finite Impulse Response Interpolation Filter Using BCSE Algorithm | International Journal of Advanced Research In Computer And Communication Engineering | BagadiMadhavi , A .Nagamalli | April 2016 |
| 42 | International | Bit Error Rate Performance Analysis of Channel Estimated-Adaptive OFDM System | International Journal of Computer Science and Information Security | SrinuPyla K Padma Raju, N. BalaSubrahman yam | February , 2016 |
| 43 | International | Modelling of Cooperative Spectrum Sensing over Rayleigh Fading without CSI in Cognitive Radio Networks, | Springer, Wireless Personal Communication | DebasishBera, I. Chakrabarti, S. S. Pathak, | February, 2016 |
| 44 | International | Analysis of Bandwidth Requirement of Users in Flexible Reuse Cellular Networks | IEEE Communications Letters | SubbaraoBoddu, B V Philip and S. S. Das | January, 2016 |
| 45 | International | Jacobian Matrix Based Channel Estimation Algorithm for B3G Cellular Communication Systems | International Journal of Engineering Sciences Research | T Sri Sudha, G SasibhushanaRao et al. | January, 2016 |
| 46 | International | FPGA implementation of rule optimization for stand-alone tunable fuzzy logic controller using GA | Complex & Intelligent Systems, Springer | B R Jammu, S. K. Patra, K. K. Mahapatra, | 2016 |
| 47 | International | Performance Evaluation of Color Models in the Fusion of Functional and Anatomical Images | Journal of Medical Systems | P Ganasala, V Kumar, A.D. Prasad. | 2016 |

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| 48 | International | Feature-Motivated Simplified Adaptive PCNN-Based Medical Image Fusion Algorithm in NSST Domain | Springer Journal of digital imaging | P Ganasala, V Kumar | 2016. |
| 49 | International | Design of Multi – Master Bus Controller | International Journal of Science, Engineering and Technology Research | S. Ahmadunnisa B. LeelaKumari K. Padma Raju | December 2015, |
| 50 | International | A New UMTS cellular system coverage area estimation algorithm | International Journal of Power Systems of Microelectronics | T Sri Sudha, G. SasibhushanaRao | December 2015, |
| 51 | International | Combined Gate Replacement and Transmission Gate Based Logic Insertion Algorithm for Leakage Optimization in VLSI Circuits | International Journal of Applied Engineering Research | V. Leela Rani, M. MadhaviLatha | November, 2015. |
| 52 | International | Improvement of BER Performance using LS & MMSE Channel Estimation in OFDM System | Discovery-an international multi-disciplinary journal | N .Balasubrahmanyam, SrinuPyla, SuseelaVappangiri | October 2015 |
| 53 | International | Robust Digital Image Watermarking in Discrete Wavelet Transform Domain using Back Propagation Neural Networks | Global Journal of Mathematical Sciences | B. Jagadeesh, P. Rajesh Kumar, P.Chenna Reddy | August 2015. |
| 54 | International | Vertical Handoff in Cellular Networks using RSS and Velocity measurement | Global Journal of Mathematical Sciences | P. ArunaKumari, I. SantiPrabha | August 2015. |
| 55 | International | Patch Antenna Parameter variation with Ground Plane dimensions | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | G.V.P Pranathi, N Deepika Rani, M Satyanaryana, G.T Rao, | August 2015 |
| 56 | International | Improvement of BER performance in OFDM under various channels with EH code | International Journal of Advanced Research in Computer and Communication Engineering | K. Lavanya, Dr. M. V. S. Sairam | July, 2015. |

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| 57 | International | Synthesizing a broad beam for an atmospheric radar | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | K. Lakshmi Anitha, N Deepika Rani, G.T Rao | July 2015 |
| 58 | International | Implementation of I2C Using ARM9 Controller | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | V. LakshmiBhavani , K.R.K Sastry | July 2015 |
| 59 | International | Automatic Driver Assistance System – Glare Free High Beam Control | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | D SwethaPadmaja , K.R.K Sastry | July 2015 |
| 60 | International | Implementation of Complex Matrix Inversion using Gauss-Jordan Elimination Method in Verilog | International Journal of Computer Applications | P. VenkataRao, K. R. K Sastry | July 2015. |
| 61 | International | Low power and Low Frequency CMOS Ring Oscillator Design | European Journal of Advances in Engineering and Technology | Venigalla Ravi Kanth, K. Naresh Kumar | July 2015. |
| 62 | International | A Novel Architecture for Inverter based Double-Tail Comparator | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | D.Bhavya, R. Manoj Kumar | July 2015. |
| 63 | International | VHDL Implementation Of DIT-FFT Using Cordic | European Journal of Advances in Engineering and Technology | M Paavani, A.Nagamalli, Kiranmayi | June,2015 |
| 64 | International | Text to Speech Conversion on Intel Atom Processor | International Journal of Engineering Research | S. M. K. Chaitanya, N. Sruthi | June, 2015. |

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| 65 | International | Signal classification using Adaptive Boosting Technique in Underwater Scenario | European Journal of Advances in Engineering and Technology | P Monica, PPS SaiKirti, S Ganesh, Ch. KusumaKumari | May ,2015 |
| 66 | International | Performance Analysis of Flexible Reuse in Cellular Networks | International journal on IET Communications | SubbaraoBoddu, SuvraSekhar Das and R. V. Raja Kumar | April, 2015. |
| 67 | International | Signal Strength Availability and Coverage Area Determination of 2G- Millimetre Wave Cellular Systems for Indian Geographic Environments | International Journal of Advanced Engineering | T Sri Sudha, G SasibhushanaRao et al. | March 2015 |
| 68 | International | Pattern Synthesis using Modified Differential Evolution Algorithm | International Journal on Association for the Advancement of Modelling & Simulation Techniques in Enterprises | T. Vidhyavathi, G.S.N. Raju | March, 2015. |
| 69 | International | GPS Receiver Position Estimate with Least Squares and Linear Quadratic Estimator | IFRSA International Journal of Advanced Engineering | Ganesh. L, G.S. Rao, K. Jhansi Rani, MNVSS Kumar | March, 2015. |
| 70 | International | Wireless power Transfer by engrafting resonance to high voltage pulses | European Journal of Advances in Engineering and Technology | SkKhader, P Vivek, P Santoshi, P Pavani, Ch. KusumaKumari | February, 2015. |
| 71 | International | Generation of Stair-Step Patterns using Modified differential Evolution Algorithm | International Journal of Computer Applications | T. Vidhyavathi, G.S.N. Raju | February, 2015. |
| 72 | International | Ultra Low power Consumption Military Communication Systems, | International Journal of Computer Applications | SagaraPandu | January, 2015. |
| 73 | International | Multimodality medical image fusion based on new features in NSST domain | Biomedical Engineering Letters | P Ganasala, V Kumar. | 2015 |
| 74 | International | Polynomial Based Functional Link Artificial Recurrent Neural Network adaptive System for predicting Indian Stocks” | International Journal of Computational Intelligence Systems | D.K Beberta, B Biswal, P.K Dash “ | 2015 |

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| 75 | International | De-noising of ECG Signals using Advanced Filtering Techniques | International Journal of Applied Engineering Research | B. Biswal, TugitiUdayKiran | 2015 |
| 76 | International | Multi-Scale Decomposition Transform Based Approach for CT and MR Image Fusion | Journal of Medical Imaging and Health Informatics, American Scientific Publisher | P Ganasala, V Kumar. | 2015, |
| 77 | International | Generation of Ramp Pattern using Modified Differential Evolution algorithm | IOSR International Journal of Electronics and Communication Engineering | T. Vidhyavathi, G.S.N. Raju, """, (IOSR-JECE). Vol.9, Issue 6, Ver. III, PP.01-12, | November - December 2014. |
| 78 | International | Fast and Reliable Handover in Heterogeneous Networks(Mobile IPV6) | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | Satyaphanindra Bonam, P. ArunaKumari | November, 2014. |
| 79 | International | Data Encryption using Counting Bloom Filter for Cloud Security | IET Digital Library | A.Nagamalli, S. Sagar Krishna, B. KeerthiPriya | November, 2014 |
| 80 | International | Robust direction of arrival Estimation using Multiple Signal Analysis | International Journal of Computer Application | Y. Raj Sekhar, G. RadhaKumari, Ch. KusumaKumari | September , 2014 |
| 81 | International | Verilog Implementation of floating point FFT with Reduced addressing logic | International Journal of advanced, research in computers and communication engineering | D. VenkateshBabu, K. Naresh Kumar | September , 2014 |
| 82 | International | Removal of impulse noise from remote sensing images using wavelet based on Image fusion algorithm | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | T Ajay, G. Anand Kumar | September , 2014 |

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| 83 | International | "Low power Area-efficient Adiabatic Multiplier | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | K. Narendra, S. Pandu | August, 2014 |
| 84 | International | Modified 8T Design of Charge Sharing Technique for Dynamic Power Reduction | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | ChSaiBabu, Sagar Krishna S, | August, 2014 |
| 85 | International | Fuzzy-Neuro based Robust Image Watermarking Technique | International Journal of Advanced Research in Computer and Communication Engineering | B. Jagadeesh, D. Praveen Kumar | July, 2014 |
| 86 | International | Design of MTCMOS logic circuits for low power applications | International Journal of Engineering Science and Technology | V. Leela Rani, M. MadhaviLatha, | July 2014. |
| 87 | International | Implementation of Sparse Matrix Vector Multiplication in Verilog HDL | International Journal of Engineering Research and Technology | Ch. Ravi Teja, K.R.K Sastry | July, 2014. |
| 88 | International | Improving the Capacity of QR Code using Colour Code Technique | International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering | Prathibha N Pillai, K. Naresh | July, 2014. |
| 89 | International | Non-stationary Power Signal Time Series Data Classification Using LVQ Classifier | Applied Soft computing (Elsevier Science) | B.Biswal, Milan Biswal, Sazia Hassan, P.K Dash | 2014 |
| 90 | International | A Hybrid FLANN and Adaptive Differential Evolution Model for Forecasting of Stock Market Indices | International Journal of Knowledge-based and Intelligent Engineering System | A.K Rout, B Biswal, P. K. Dash | 2014 |