

Publications

International Journals:

1	S.N.Reddy and N.C.E. Reddy., “Explicit expressions for error correction ingeneralized two port device S-Parameter measurements”, AMSE Journal (France), Vol. 48, No. 23, Winter 1996.
2	Anitha and S.Narayana Reddy, “Design and analysis of a 1 X 16 square microstrip linear array for wind profiling radar”, International journal of theoretical and applied information technology, vol.4,no.10,pp 981-988,Oct.2008.
3	Anitha V.R, S. Narayana Reddy, P. Srinivasulu, “Design and Analysis of a 4X4 Square Microstrip Array for Wind Profiling Radar”, For East Journal of Electronics and Communication Engineering, Vol.2, No.3, pp.229-246, 2008.
4	Anitha V.R, S. Narayana Reddy, “Design of an 8X1 Square Microstrip Patch Antenna Array”, International Journal of Electronics Engineering Research (IJEER), Vol.1, No.1, pp.71-77, 2009.
5	Anitha V.R, S. Narayana Reddy, Mohammed Ismaeel, ”Design of a 4X4 Square Microstrip Planar Array” International Journal on Intelligent Electronic Systems, Vol.3, No.1, January 2009.
6	G. H.Reddy,Y.Venkatarami Reddy and S.N.Reddy, “The effect β in Kaiser window on the SNR of MST Radar signals”, Asian Journal of Scientific Research 1(3), pp 203-212, March 2008.
7	G. H.Reddy, S.N.Reddy and A.S.R.Reddy, “Effect of windowing on SNR of MST radar Signals “, Far East journal of electronics and communications, Volume 2 ,Number 1, pp 89-98, April 2008
8	K. Nagi Reddy ,S.Narayana Reddy , “ Spectral estimation of non-stationary and unevenly sampled data ”, Engineering Today Journal of Technological world, Volume X , Issue-3,pp 25-29, July- 2008.
9	K. Nagi Reddy and S.Narayana Reddy, “ Non-parametric method for power spectral estimation of signals in noise” , International journal of engineering & technology, volume 1, Number 1, pp 55-66 September 2008.
10	S. Satish Kumar, T.Ramashri and Dr. S.Narayana Reddy “Image watermarking using Integer DCT and D-Sequence”, International journal on Electronic & ElectricalEngineering (IJEEE), Volume 1 No 1, pp. 109-113; November 2008-Jan’2009.
11	T. Ramasri and Narayana Reddy S., “Content based image-in –image watermarking using DCT and SVD,” International Journal of Applied Engineering Research, Vol.4, No.2, February 2009
12	T. Ramsri and S.Narayana Reddy, “ Robust watermarking algorithm using D-sequences”, International Journal of Wireless Networks and Communications (IJWNC), Vol.1,No.1,pp 1- 8, 2009.
13	Venkatakishore,T.Ramashri and S.Narayana Reddy“SVD Based Robust Image watermarking using PSO”, <i>International journal on Electronic & Electrical Engineering (IJEEE)</i> , Volume 1,No 1, pp. 1 -6; November ‘ 2009 .
14	S.Satish Kumar,T.Ramasri and S.Narayana Reddy, ”Image watermarking using Integer DCT and D-sequence”.International journal on Electronic & Electrical Engineering, Vol.1,No.1,pp. 109-113,No.3,Nov 2009-Jan 2010.
15	K.Nagi Reddy,S.Narayana Reddy,ASR Reddy, ”Parametric methods of spectral estimation Methods of spectral estimation of MST Radar data”, IUP Journal of telecommunications, Vol.II, No.3, pp 55-74, August 2010.

16	P. Venkat Ramana and S. Narayana Reddy, "Adaptive Modulation and Transmitter Diversity using long Range Prediction for Flat Fading Mobile Radio Channels", International Journal of Advance in Communication Engineering, ISSN 0975-6094, Vol. 3(1), pp 1-7, January 2011.
17	K.Nagi Reddy,S.Narayana Reddy,ASR Reddy,"Significance of complex group delay functions in spectral estimation", Signal & Image processing; An international journal(SIPIJ)Vol.2, no.1, pp 114-133, March 2011
18	K Raghunath,DVAbhinava Karthik, S Narayana Reddy and K Ramesh, "Development of calibration Scheme and software for Doppler lidar receiver" International Journal of Engineering Science and Technology, Vol. 3 No. 7,pp 5702-5708, July 2011
19	Sreenivasan Baduru, Dr.S.N.REDDY, P.Jagadamba, Dr.P.Satyanarayana, "Noise Cancellation on ECG and Heart Rate Signals Using the Undecimated Wavelet Transform", International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622, Vol. 1, Issue 4, pp. 1962-1970. Vol. 1, Issue 4, pp. 1962-1970
20	P.Srinivasulu,P.Yasodha, A.Jayaraman, S.N.Reddy and S.Satyanarayana, " Simplified active array UHF Radar for atmospheric wind profiling: Initial results of an Experimental system "Journal of atmosphere and oceanic technology , Volume 28,1436-1447, November2011.
21	P.Srinivasulu, P.Yasodha, S.N.Reddy and P.Kamaraj, A. Jayaraman, "1280 Mhz Active Array Radar Wind Profiler for Lower Atmosphere: System Description and Data Validation", Journal of atmosphere and oceanic technology , Volume 29,1455-1470, October 2012
22	ASR Reddy,K.Nagi Reddy and S.Narayana Reddy," Complex group delay function and its Derivatives for spectrum estimation of MST Radar signals", Journal of innovation in Electronics And Communications, January 2012, pp 158-162.
23	C.Chandrasekhar and S.Narayana Reddy," Design of high speed, low power 2D DWT for video Compression", Journal of Innovation in electronics and communications-special issue, vol.2(2), pp 33-36, jan.2012, ISSN 2249-9946.
24	P. Venkat Ramana and S. Narayana Reddy, "Improved Performance of UDP and TCP throughput in Mobile Wi-Fi Networks using 802.11n Standards" Journal of Innovation in Electronics and Communication, ISSN:2249-9946, Volume2(2), pp-197-198, January 2012.
25	K Raghunath, K Ramesh, and S Narayana Reddy, "Fabry Perot Interferometer as Solar Background noise Suppressor: Application to Day time lidar," Annals of Geophysics Vol.55, No.2, pp 215-222, 2012
26	K Raghunath, K Ramesh, A Jayaraman and S Narayana Reddy, "Development of Doppler lidar for tropospheric wind observations", Optical Engineering.
27	P.Venkata Ramana and S. Narayana Reddy, "Improved Performance of UDP and TCP throughput in Wi-Fi Networks for voice and data services in mobile communications with MIMO Systems" International Conference on Devices Circuits and Systems (ICDCS'12) ISBN 978-1-4577-1545- 7 during 15 – 16 March, 2012, pp 144-148, at Karunya University, Coimbatore. Published in IEEE Explorer.
28	K.Raghunath and S Narayana Reddy," Performance simulations of Rayleigh Doppler lidar system for measuring middle atmosphere winds," Scientific Research and Essays, vol 7(28), pp 2440-2447, July 2012.
29	C.Chandrasekhar and S.Narayana Reddy," Dynamic power reduction in modified lifting scheme Based DWT for image processing", GJRE-F, Electrical and Electronics engineering,vol.12,issue 8 pp 17-27, July 2012, online: ISSN 2249-4596, print: ISSN 0975-5861.

30	C.Chandrasekhar and S.Narayana Reddy, "Performance analysis of modified lifting based DWT Architecture and FPGA implementation for speed and power", GJCST-F, Graphics & Vision, Vol.12, Issue 12, pp 41-50, Aug.2012.
31	P. Srinivasulu, P. Yasodha, S.N.Reddy, P. Kamaraj, T. N. Rao, S.Satyanarayana, and A.Jayaraman, "1280 MHz active array radar wind profiler for lower atmosphere: system description and data validation", Journal of atmospheric and oceanic technology, vol. 29, 1455-1470, October 2012.
32	C.Chandrasekhar and S.Narayana Reddy, "FPGA implementation of systolic array architecture and FPGA implementation for speed and power" International organization of scientific research journal of Engineering, pp 39-50, vol.2, issue 10, October 2012.
33	S.Mallikarjunaiah and S.Narayana reddy, "Design of LQR controller for flexible link manipulator", International Journal of advances in science and technology, vol.5, no. 1, pp 1-9, 2012.
34	S.Mallikarjunaiah and S.Narayana reddy, "Study of the performance of ANFIS controller for flexible link manipulator", International Journal of Engineering research and applications, vol.3, issue.1, pp 1-6, Jan-Feb 2013.
35	S.Mallikarjunaiah and S.Narayana reddy, "Design of PID controller for flexible link manipulator", International Journal of Electrical Engineering & Technology, vol.4, issue.3, pp 141-155, May-June 2013.
36	S.Mallikarjunaiah and S.Narayana reddy, "Performance Comparison of controllers for flexible link manipulator," International Journal of Electrical and Electronics and Instrumentation Engineering, Vol. 2, issue.7, pp 3552-3462, July 2013. ISSN: 2320-3765
37	P. Venkat Ramana and S. Narayana Reddy, "Enhanced Throughput and Energy Efficient Approach for Cognitive Radio using Cooperative Spectrum Sensing" 2013 Proceeding of ComNet CIIT & ITC, ISBN978-81-910691-6-3 (Elsevier) pp-275-280, 2013
38	Chandrasekhar, A. Viswanath and S.Narayana Reddy, "FPGA Implementation of Image Fusion Technique Using DWT for Micro Air Vehicle Applications," International Journal of Engineering and Scientific Research, Vol.4, Issue-8, pp.307-315, ISSN: 2229-5518, August 2013
39	S.Venkataramana and S.Narayana Reddy, "A Novel Method to Improve Resolution of Satellite Images Using DWT and Interpolation", International journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (An ISO 3297:2007 Certified Organization), Vol. 3, Issue 1, January 2014
40	C.Chandrasekhar and S.Narayana Reddy, "Review of 2D/3D DWT-IDWT VLSI architectures for image compression", Journal of signal and imaging systems engineering", International Journal of Signal and Imaging System Engineering, Print ISSN: 1748-0698, Online ISSN: 1748-0701, 2014
41	S.Narayana Reddy and Chandrasekhar, "Design and implementation of image fusion technique using DWT for Micro air vehicle", International Journal of Electronics and communication technology, ISSN:2230-7109(online)/2230-9543(print), vol.5, issue SPL-1, Jan-march 2014.
42	C.Chandrasekhar and S.Narayana Reddy, "Review of 2D/3D DWT-IDWT VLSI architectures for Image compression", Int. J. Signal and Imaging Systems Engineering, Vol. 7, No. 4, 2014, Inderscience publishers.
43	P. Venkata Ramana and S. Narayana Reddy, "Cooperative Spectrum Sensing in Cognitive Radio Networks and Minimization of Error Probability using Optimal Decision Voting Rule," i-manager Journal on Digital Signal Processing, ISSN: 2321-7480, Vol.2, No.3, pp.31-36, September 2014.

44	P. Venkata Ramana and S. Narayana Reddy, "Cyclostationary Detection Based Spectrum Sensing in Cognitive Radio Networks," International Journal of Scientific & Engineering Research, ISSN:2229-5518, Vol.6, No.1, pp.1005-1010, January 2015. Indexing Thomson Reuters
45	P. Venkata Ramana and S. Narayana Reddy, "Efficient Cyclostationary Detection Based Spectrum Sensing in Cognitive Radio Networks," International Journal of Engineering Trends and Technology, ISSN:2231-5381, Vol.19, No.4, pp.195-200, January 2015.
46	M.Vijayalakshmi and S Narayana Reddy, "Enhanced BER analysis and mitigation of ICI in SFBC-OFDM systems", International Journal of Electronics, Communication & Instrumentation Engineering Research and Development (IJECIERD); ISSN(P): 2249-684X; ISSN(E): 2249-7951 Vol. 4, Issue 4, Aug 2014, 55-70.
47	M.Vijayalakshmi and S Narayana Reddy, "Performance Analysis of ST, SF and STF in MIMO- OFDM Technique", IJCSI International Journal of Computer Science Issues, Vol. 10, Issue 2, No 2, March 2013 ISSN (Print): 1694-0814 ISSN (Online): 1694-0784.
48	M.Vijayalaxmi and S. Narayana Reddy, "Enhanced ber analysis in mimo-ofdm-stbc systems with MMSE equalisation and ml decoding", International Journal of Engineering & Science Research, ISSN 2277-2685, June 2014, Vol-4, Issue-6, ISBN No.338-349 .
49	Taj Mahaboob and S.Narayana Reddy, "Resolution enhancement of satellite image using DT-CWT and EPS", International Journal of Science research, vol.3, issue.11, November 2014.
50	M.Vijayalakshmi and S Narayana Reddy "BER analysis and interference cancellation in SFBC-OFDM with timing offset," Journal International Journal of Applied Engineering Research (IJAER) accepted for publication.
51	P. Bhaktavastalam, and Dr. S. Narayana Reddy "Lung Cancer Disease Analysis Using PSO Based Fuzzy Logic System," International Journal of Research in Engineering and Technology Vol. 5, Issue 01, January 2016, pISSN: 2321-7308, eISSN:2319-1163.
52	P. Bhaktavastalam, and Dr. S. Narayana Reddy "Analysis of CAS using Improved PSO with Fuzzy Based System," International Journal for Scientific Research and Development, Vol. 03, Issue 9, ISSN:2321-0613.
53	Manjunath P S, S. Narayana Reddy, "Qualnet Simulation of VANET Scenario for TLE(Traffic light Environment) Performance Evaluation", International Journal of Advanced Electrical and Electronics Engineering (IJEET), Vol. 2, Issue 6, July 2013.
54	Manjunath P S, S. Narayana Reddy, "ZigBee based Collision Avoidance for Vehicle Safety using Labview:, COMPUTECH: An International journal of Computers (ISSN: 2229-4589), January 2013, Vol. 3, Issue.6, Jan-13
55	Manjunath P S, S. Narayana Reddy, "ZigBee based Pothole Detection System for Vehicular Safety", International Journal of Electronics Communication and Computer Engineering, Volume 4, Issue 2, ISSN (Online): 2249-071X, ISSN(Print): 2278-4209, March 2013.
56	Manjunath P S, S. Narayana Reddy, "Review on Security and Challenges" IJETAE: International Journal of Emerging Technology and Advanced Engineering, Volume 4, January 2015.
57	P. Krishna Murthy and S. Narayana Reddy "Wavelet Transform Based Method to Improve the Signal to Noise Ratio for Lower Atmospheric Wind Profiler Data", International Journal of Modern Electronics and Communication Engineering (IJMECE), ISSN: 2321 - 2152, Vol. 4, Issue 4, pp 58-62, July, 2016.

58	P. Krishna Murthy and S. Narayana Reddy “Comparison of Signal to Noise Ratio of Lower Atmospheric Wind Profiler Data Using Signal Processing Techniques”, <i>International Journal of Scientific & Engineering Research (IJSER)</i> , ISSN: 2229-5518, Vol 7, Issue 11, pp 123-127, November 2016. (Thomson Reuters)
59	P. Krishna Murthy and S. Narayana Reddy “A Novel Approach to Improve the Signal to Noise Ratio of Wind Profiler Doppler Spectra Using Wavelets”, <i>i-manager’s Journal on Digital Signal Processing (JDP)</i> , Vol. 4 Issue 3, pp 22-28, Oct-Dec, 2016.
60	Dr. S. Narayana Reddy, Y. Sree Vaishnavi “Performance Comparison of Different Image Fusion Techniques for Multi focus and Multi model Images,” <i>International Journal of Science and Research (IJSR)</i> , ISSN: 2319-7064, Vol. 05, Issue 12, 2016.
61	T. Mariyababu and S. Narayana Reddy “Performance of DFT and WAVELET Based OFDM System Based on BER Analysis Using Different Modulation Techniques,” <i>International Journal of innovative Research in Computer and Communication Engineering (IJRCCE)</i> , Vol. 04, Issue No .09, pp 1111-1116, 2016.
62	S. Naveen and S. Narayana Reddy “Multicoset Sampling Approach in Cognitive Radio for Spectrum Sensing,” <i>International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE)</i> , Vol. 04, Issue No. 10, 2016.
63	G. Bhavya and S. Narayana Reddy “Enhanced Multi-Resolution Satellite Image Registration and Fusion using Average Principal Component Analysis,” <i>International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE)</i> , Vol. 04, Issue No. 11, 2016
64	P. Krishna Murthy and S. Narayana Reddy “Techniques to Improve Denoising for Wind Profiler Time Series Data”, <i>International Journal of Circuits, Systems and Signal Processing</i> , ISSN: 1998- 4464, Vol. 11, pp 44-51, January, 2017.(Scopus Indexed).
65	P. Krishna Murthy and S. Narayana Reddy “Improvement of a Doppler Profile of a Lower Atmospheric Wind Profiler Radar Time Series Data Using Signal Processing Techniques”, <i>International Journal of Applied Engineering Research (IJAER)</i> , ISSN: 0973-4562, Vol. 12, No. 22, pp 11780-11786, November, 2017. (Scopus Indexed).
66	Jeevalakshmi. D, Dr. S. Narayana Reddy, Dr. B. Manikiam, “Land Surface Temperature Retrieval from LANDSAT data using Emissivity Estimation,” <i>International Journal of Applied Engineering and Research</i> , 12(20), pp. 9679-9687, October, 2017 (Scopus Indexed)
67	C. VamsiKrishna, S.Narayana Reddy, P.Jagadamba,” Satellite Image Restoration Using Bilateral and Guided Filters,” <i>International Journal of Scientific Research in Science and Technology (IJSRST)</i> , Vol. 4, Issue No. 5, 747-754, March-April, 2018 (UGC Journal)
68	Adapa .Jyothirmail, Dr. S. Narayana Reddy, Dr. P. Jagadamba, “Automatic classification for NOAA- AVHRR Data using k-means Algorithm,” <i>International Journal of Scientific Research in Science and Technology (IJSRST)</i> , Vol. 4, Issue No. 5, 755-762, March-April, 2018 (UGC Journal)
69	V. Raja Rajeswari, S. Narayana Reddy, P. Jagadamba, “Stationary Wavelet Transform Based Radiometric Error Correction Technique for NOAA-AVHRR sensor data,” <i>International Journal of Engineering & Technology (IJET)</i> , 7, pp. 119-123, 2018 (Scopus Indexed)
70	Jeevalakshmi. D, Dr. S. Narayana Reddy, Dr. B. Manikiam, “Monitoring Change in Vegetation Cover and LST due to Forest Fires occurred at the Regional Level Using

	Satellite Imagery,” International Journal of Electronics Engineering, 10(2), 223-232, July, 2018 (UGC Journal)
71	Shaik Taj Mahaboob, Dr. S. Narayana Reddy, “An Integrated KFKT-LDA mechanism for facial emotion extraction and recognition with SVM as classifier” International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 9, Issue 4, July - August 2018, pp. 315-324, (ISSN Online: 0976-6499).
72	Shaik Taj Mahaboob, Dr. S. Narayana Reddy,” comparative performance analysis of LBP nad LTP based Facial Expression Recognition”, International Journal of Applied Engineering Research, Volume 12, number 17, 2017, pp. 6897-6900, ISSN 0973-4562.
73	Shaik Taj Mahaboob, Dr. S. Narayana Reddy, “A comprehensive literature survey on automatic facial expression recognition techniques”, International Journal of Engineering and science Research(IJESR), Volume 7, Issue 5, May 2017, pp. 46-53, (ISSN 2277-2685).
74	Shaik Taj Mahaboob, Dr. S. Narayana Reddy, “Analytical Approach for Local Prediction Based Difference Expansion Reversible Watermarking”, International Journal of Emerging Technology and Innovative Engineering (IJETIE), Volume 1, Issue 10, October 2015, (ISSN 2394 6598).
75	Y. Haribabu, Shaik Taj Mahaboob, Dr. S. Narayana Reddy, “Resolution Enhancement of Satellite Image Using DT-CWT and EPS”, International Journal of Science and Research (IJSR), Volume 3, Issue 11 November 2014, pp.735-739, (ISSN Online 2319 7064).
76	Shaik Taj Mahaboob, Dr. S. Narayana Reddy, Dr.P.Jagadamba, “A Hybrid emotional facial expression recognition aldorithm using enhanced gabor filter with adaboost classifier”, Journal of Engineering and Applied sciences, (ISSN 1816-949X).
77	S. Narayana Reddy, Jeeva Lakshmi. D, V. Raja Rajeswari, “system description and preliminary results of 1968MHz HRPT/AHRPT receiver for weather satellites NOAA/Mettop Data at CoE, SV University, Tirupati,” journal of advanced research in dynamical and control systems (JARDCS), Vol.10, No.13,pp.1400-1408,2018(Scopus indexed)
78	V. Raja Rajeswari and S. Narayana Reddy, “change detection analysis using LANDSAT multi-temporal imagery and GIS technique a case study for Tirupati south India” i-manager’s journal on image processing, vol.6, no.2, pp.34-39, 2018
79	V. Raja Rajeswari , S. Narayana Reddy and P.Jagadamba, “classification accuracy improvemtn using wavelet-PCA image fusion technique and change detection in Land cover/land use” international journal of advance science and technology , Vol, 28. No. 16, pp. 469-479, 2019(Scopus indexed)
80	V. Raja Rajeswari , S. Narayana Reddy, “ image registration accuracy analysis for multi-sensor and multi – temporal remote sensing images” international journal of imaging and robotics , vol.20, pp. 28-36, 2020.(UGC Journal)
81	D.Jeevalakshmi, S.Narayana Reddy, B.Manikiam, “estimation of land surface temperature over vegetated region using AHRR sensor data and validation with IN-situ measurements” international journal of modern electronics and communication

	engineering (IJMECE), 7(2), 199-203, 2019(UGC Aproved Journal)
82	S. Penchala Reddy and S. Narayana Reddy, "Broad Band CP antenna array for X-band Applications Using Sequential Phase Rotation Technique", Optik - International Journal for Light and Electron Optics, 2019. (Free Elsevier SCI)
83	S. Penchala Reddy and S. Narayana Reddy, "Dual-Band Half Psi Shaped Antenna for WLAN, Wi-Fi and WiMAX Applications", International Journal of Engineering and Advanced Technology, Vol. 8, No.6, pp. 1385-1388, 2019. (Free Scopus indexed)
84	S. Penchala Reddy and S. Narayana Reddy, "Medical plus shaped antenna for S, C, X and Ku band applications", Instrumentation Mesure Metrologie, vol. 18, No. 2, pp. 111-114., 2019. (Scopus indexed)
85	S. Penchala Reddy and S. Narayana Reddy, "Design of Dual Band Mono Pole Antenna for UWB and Ku Band Applications", International Journal of Innovative Technology and Exploring Engineering, Vol. 8, No. 9, pp. 3094-3098, 2019. (Scopus indexed)