

Department of Electronics and Communication Engineering
Research and Development
Faculty Publications (2017-18)

S.NO.	NAME OF THE AUTHOR (s)	TITLE OF THE PAPER	NAME OF THE JOURNAL	ISSN NO.	VOL. NO/ISSUE NO/ PAGE NO	MONTH & YEAR OF PUBLICATION	JOURNAL under SCOPUS / SCI/ Web of science/ICI/MKCE journal
1	S. Palanivel Rajan, R.Sivaranjini	Survey of Selfish Node Detection in Wireless Sensor Networks using Watchdog Timer	International Journal of Emerging Trends in Science and Technology	ISSN : 2349-7866	3 / 1 / 23-25	Jun-17	MKCE Journal
2	A.Sridevi, G.K.D Prasanna Venkatesan	Certain Investigation on High Energy and Spectral Efficient CRAHN based spectrum Aggregation	Journal of Computational and Theoretical Nanoscience	ISSN NO: 1546-1955	14 / 8 /3861 - 3866	Aug-17	SCOPUS
3	S.Keerthi (CSE), S.Dhivya	Comparison of RVM and SVM Classifier Performance in Analysing the Tuberculosis in Chest X-ray	International Journal of Control Theory and Application	ISSN:0974-5572	10 / 36 / 269-276	Sep-17	ICI
4	A.Manikandan, V.Jamuna	Fault Tolerant Parallel Filters Based on Error Correction Codes	Journal of Advanced Research in Dynamical and Control Systems	ISSN : 1943-023x	9 / 2 /72-76	Sep-17	SCOPUS
5	J.Sakthivel, A.Manikandan	Design of Band Notched Monopole Antenna	Journal of Advanced Research in Dynamical and Control Systems	ISSN : 1943-023x	9 / 2 / 16-22	Sep-17	SCOPUS

6	A.Manikandan, V.Jamuna	Single Image Super Resolution Via Fri Reconstruction Method	Journal of Advanced Research in Dynamical and Control Systems	ISSN : 1943- 023x	9 / 2 / 23- 28	Sep-17	SCOPUS
7	A.Manikandan, J.Sakthivel	Solid Waste Bin Management System	Journal of Advanced Research in Dynamical and Control Systems	ISSN : 1943- 023x	9 / 2 / 29- 33	Sep-17	SCOPUS
8	A.Manikandan, J.Sakthivel	Recognizable Proof of Biometric System With Even Distorted And Rectification States	Journal of Advanced Research in Dynamical and Control Systems	ISSN : 1943- 023x	9 / 2 / 1393-1398	Sep-17	SCOPUS
9	Dr.C.Vivek, Siva Chidambaram, Mohan Kumar Ganesan	Optical and Recyclable Photocatalytic Process of Silica Supported Zn/Au Heterostructures Under Sunlight	Journal of materials science:materials in electronics	ISSN:0957- 4522	***	Oct-17	SCI/SCIE
10	Dr.S.Palanivel Rajan, Dr.V.Kavitha	Diagnosis of Cardi Vascular Diseases using Retinal Images through Vessel Segmenton Graph	Current Medical Imaging Reviews	ISSN:1573- 4056	13 / 4 /454- 459	Nov-17	SCI/SCIE
11	M. Anna Kamatchi, V. Keralshalani, A.Berlin	Body Worn Antenna for Telemedicine Applications	International Journal of Emerging Trends in Science and Technology	ISSN : 2349- 7866	3 / 2 / 9-12	Dec-17	MKCE Journal
12	M.Dhamodaran, R.Praveen Kumar S.Jegadeesan	On-Chip Spiral Inductors and On-Chip Spiral Transistors for Accurate Numerical Modeling	Journal of Magnetics	1226-1750 Vol 23 issue 1 pp	23 / 1 / 1-5	Jan-18	SCI/SCIE

13	Dr. V. Kavitha, Resham Lohani	A critical study on the use of artificial intelligence, e-Learning technology and tools to enhance the learners experience	Cluster Computing	1573-7543	***	Feb-18	SCI/SCIE
14	Dr. V. Kavitha, S. Mohanraj	High performance Viterbi decoder design	Cluster Computing	1573-7543	***	Mar-18	SCI/SCIE
15	P.Ramakrishnan, P.T.Sivagurunathan, Dr.N.Sathish Kumar	Wireless Patient Monitoring Systems	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 11 / 761-766	Feb-18	SCOPUS
16	L.Ramesh, T.Abirami	Segmentation of Liver Images Based on Optimization Method	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 11 / 401-405	Feb-18	SCOPUS
17	E.Dinesh, Dr. S.M Ramesh	Individual Identification Based on Dorsal Palm Blood Vessel Pattern By Texture Quality	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 11 / 545-550	Feb-18	SCOPUS
18	P.T.Sivagurunathan, P.Ramakrishnan, Dr.N.Sathish Kumar , Dr.V.Kavitha	A Survey On Wearable Health Sensor-Based System Design	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 11 / 383-386	Feb-18	SCOPUS
19	Pradeep.S, Ribana.K	Modeling of Reduction of Memory in Video Processing	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 11 / 387-391	Feb-18	SCOPUS
20	K.Kaarthik, Dr.C.Vivek	Weed Remover In Agricultural Field Through Image Processing	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 11 / 393-399	Feb-18	SCOPUS

21	Sivaranjani S, Kaarthik K	Medical Imaging Technique To Detect Tumor Cells	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 11 / 399-404	Feb-18	SCOPUS
22	M.Annakamatchi , V.Keralshalini	Design of Spiral Shapedpatch Antenna For Bio-Medical Applications	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 11 / 131-135	Feb-18	SCOPUS
23	V.Keralshalini, M.Annakamatchi	Low Profile Frequency Reconfigurable Triple Band Antenna For Wlan/Wi- Fi/Wimax Wireless Applications	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 8 / 407-412	Feb-18	SCOPUS
24	N.Mahendran, T.Mekala	A Survey: Sentiment Analysis Using Machine Learning Techniques for Social Media Analytics	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 8 / 419-423	Feb-18	SCOPUS
25	T.Mekala, N.Mahendran	Improved Security in Adaptive Steganography Using Game Theory	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 8 / 111-116	Feb-18	SCOPUS
26	M.Paranthaman, Dr.S.Palanivel Rajan	Design of Dual band Circular Patch Antenna for Medical Imaging	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 8 / 527-530	Feb-18	SCOPUS
27	P.Surendar, K.Sheikdavood	3D Mask Based Estimation Of Face Identification	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 11 /411-419	Feb-18	SCOPUS
28	B.Nandhini, P.Nithya	Carotid Artery Lumen Recognition in Ultrasound B- Mode Images	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 8 / 423-428	Feb-18	SCOPUS

29	A.Vaniprabha, P.Poongodi	Augmented Lightweigh security scheme with access control model for wireless medical sensor networks	Cluster Computing	***	***	Jan-18	SCI/SCIE
30	C.Nandagopal, S.M.Ramesh	Protocols for healthcare indoor environment	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 11 / 739 - 743	Feb-18	SCOPUS
31	A.Nithya, S.Dhivya	Power Efficiency of sense amplifier design using mtcmos technique in 30nm technology	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 11 / 799 - 804	Feb-18	SCOPUS
32	K.Sheikdavood, P.Surendar	A Review: Undetectable Watermarking in Printed Images	International Journal of Pure and Applied Mathematics	Volume 118 No. 18 2018, ISSN: 1311- 8080	118 / 18 / 3077 - 3083	Feb-18	SCOPUS
33	P.Nithya, B.Nandhini	Design of FINFET based high performance hybrid- type CAM	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 /	Mar-18	SCOPUS
34	S.Dhivya, A.Nithya	Design and Analysis of Power Efficient Full Adder in 30nm Technology	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 /	Mar-18	SCOPUS
35	P.Kaviya Priya, Tha.Sugapriyaa	Delay Optimized Adaptive Filter Architecture For Clamor Cancellation	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 /	Mar-18	SCOPUS
36	Ribana.K, Pradeep.S	Contrast Enhancement Techniques For Medical Images	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 /	Mar-18	SCOPUS

37	M.Manikandan, N.V.Andrews, Dr.V.Kavitha	Investigation on Micro calcifications of breast cancer from mammogram image sequence	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 20 /	Mar-18	SCOPUS
38	B.Neeththi Aadithiya	design of dual band patch antenna for bwcs antennas	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 20 /	Mar-18	SCOPUS
39	Arulpriya.S, Arun.A	Analysis of CAM cell for minimum number of transistor count	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 20 /	Mar-18	SCOPUS
40	P.Gomathi, V.Jamuna	Feature Extraction of Thermal Image for Breast Cancer Analysis	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 20 /	Mar-18	SCOPUS
41	M.Dhamodaran, S.Jegadeesan R.Praveen Kumar	Computation of the fluid flow and the temperature field by finite element modeling	Cluster Computing	***	***	Mar-18	SCI/SCIE
42	M.Dhamodaran, S.Jegadeesan R.Praveen Kumar	Analysis and Calculation of the Fluid Flow and the Temperature Field by Finite Element Modeling	Measurement Science Review	ISSN 1335-8871	8 / 2 / 59-64	Mar-18	SCI/SCIE
43	S.Sivaranjani, C.Abinaya, P.Anushiya, C.Karthika, R.Shrimathi	Affordable Emergency Telemetry System for Healthcare using IoT	International Journal of Pure and Applied Mathematics	ISSN: 1311-8080	118 / 20 /1723-1727	Mar-18	SCOPUS
44	S. Palanivel Rajan, S. Suganya	Design of Loop Antenna for the Human Brain Signal Analysis	Indian Journal of Science and Technology	ISSN : 0974-6846	10 / 11	Mar-18	WOS

45	Sridevi.A, Sneha.R, Shanmuga Priya.K	A Relative Survey On Cognitive Radio Architecture Implementation	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 1717-1722	Mar-18	SCOPUS
46	Tha. Sugapriyaa, S. Rakshaya, K. Ramyadevi, M. Ramyaa, P.G. Rashmi	Smart Water Quality Monitoring System For Real Time Applications	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 1363-1369	Mar-18	SCOPUS
47	Surendar.P, Ranjani.R, Sangavi.L, Mohana Priya.B, Monika.S	A Relative Survey On Medical Imaging Modalities	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 1379-1384	Mar-18	SCOPUS
48	P.T.Sivagurunathan, P.Seema, M.Shalini, R.Sindhu	Smart Shopping Trolley Using Rfid	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 3783 - 3786	Apr-18	SCOPUS
49	L.Ramesh, M.Monisha, Shirley Pradeeksha, P.Sowmiyaa, S.K.Vedhashree	Driver's Drowsiness Detection And Altering System	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 2247 - 2252	Apr-18	SCOPUS
50	M.Paranthaman, P.Kaviya, R.Kaviyavarshini, M.Nagapriya, K.Nandhini	Frequency Reconfigurable Patch Antenna Design Using HFSS	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 2301 - 2306	Apr-18	SCOPUS
51	N.V.Andrews, B.Neeththi Aadithiya	A Smart System Implemented To Transfer The Internet Of Thingd Data Under Secured Conditions	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 2293 - 2299	Apr-18	SCOPUS

52	S.Dhivya, M.Palani, S.Saravanakumar, S.Venkatesh, M.Vikhneswaran	IoT Based Traffic Signal Control For Ambulance	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 3833-3836	Apr-18	SCOPUS
53	Karthik K, T.Jayanthi, N.Kanimozhi, L.Kanmani, R.Karthika	A Comprehensive Survey On Various Adders And Its Compaction Result	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 1021 - 1029	Apr-18	SCOPUS
54	E.Dinesh, T.Arjun, S.Guham, S.Kavinash, R.Kavin Kumar	Intelligent Traffic And Theft Control System	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	118 / 20 / 1071 - 1077	Apr-18	SCOPUS
55	Ribana K, Pradeep S, Nandhini B	Architecture for Image Contrast Enhancement Applications by Altera Quartus II	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 17	May-18	WOS
56	B.Neethi Aadithiya, N.V.Andrews, M.Manikandan	Design of Patch Antenna with Inverted U Slot for WiMax Application	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 17	May-18	WOS
57	S.Dhivya, A.Nithya, T.Abirami	Mamogram Image Classification Using Extreme Learning Machine	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 17	May-18	WOS
58	A.Nithya, S.Dhivya, T.Abirami	Multi Key Generation Scheme for Cloud and IoT Devices	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 17	May-18	WOS

59	Pradeep S, Nandhini B, Ribana K	Low Intricacy and Fast Design for Certain Delicate Choice RS Translating Decoder	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 17	May-18	WOS
60	V.Jamuna, P.Gomathi,A.Arun	Design and Implementation of FIR Filter Architecture using High Level Transformation Techniques	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 17	May-18	WOS
61	Mr.P.T.Sivagurunathan, Ms.P.Nithya, Mr.N.Mahendran & Dr.V.Kavitha	Nonlinear Companding Scheme to Reduce PAPR	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 17	May-18	WOS
62	Ms.P.Nithya, Mr.P.T.Sivagurunathan, Mr.P.Ramakrishnan & Dr.N.Sathishkumar	Conserving Power in MANETs using Framework	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 17	May-18	WOS
63	P.Kaviya Priya, Tha.Sugapriya,Dr.V.Kavitha	Design of Digital Filters using Improved Coefficient Demolition Method	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 17	May-18	WOS
64	Arthireena.S, V.Keral Shalini M.Annakamatchi	Energy Saving Outdoor Light Screening and Management System	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 17	May-18	WOS
65	Tha.Sugapriya, P.Kaviyapriya,P.Gomathi	Segmentation and Extraction of Chromosomes from G-Band Metaphase Images	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 18	May-18	WOS

66	Kaarthik K, Vivek C	Variable Latency Approach in VLSI Adder Implemented to Reduce Area and Power	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 18	May-18	WOS
67	M.Paranthaman, Dr.S.Palanivel Rajan	Design of E and U Shaped Slot for ISM Band Application	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 18	May-18	WOS
68	N.V.Andrews, M.Manikandan, M.Paranthaman	Super Pixel using Random Walk Segmentation	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 18	May-18	WOS
69	SURENDAR.P, SRIDEVI.A , SONA.R	Architecture design of ad-hoc cognitive radio network	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 18	May-18	WOS
70	M.Paranthaman, B.Neethi Aadithiya, N.V.Andrews	Design of T Shaped Patch Antenna for Cognitive Radio Application	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 18	May-18	WOS
71	C.Nandagopal, Dr.S.M Ramesh	Mobile Crowd Sending in Traffic Monitoring	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 18	May-18	WOS
72	V. Keral Shalini, S.Keerthikadevi, P.Monisha, M.Madhumitha	Optimization of Power and Area in Multipliers for Image Processing Applications	Indian Journal of Science and Technology	ISSN : 0974-6846	11 / 18	May-18	WOS

73	Nandhini B, Ribana K,Pradeep S	Medical Image Retrieval System using 2D-DWT and Convolutional Neural Network	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 19	May-18	WOS
74	Mrs. A. Sridevi, Dr.G.K.D.Prasanna Venkatesan, R.Priyadharshini	An Efficient Architecture Implemented to Reduce the consumed Power by performing Pre Reckoning using Content Addressable Memory	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 19	May-18	WOS
75	V.Keral Shalini, M.Annakamatchi, Arthireena.S	Miniaturized Triple Seven Shaped Microstrip Patch Antenna for X Band Satellite Communications	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 19	May-18	WOS
76	E.Dinesh, Ramesh.L	Analysis of Cloud Services in Agriculture Through Internet of Things and Big Data	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 19	May-18	WOS
77	Ramesh.L, E.Dinesh	An Efficient System for Detecting Forest Fire using Spatial Data	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 19	May-18	WOS
78	N. Mahendran, T. Mekala	Improving Energy Efficiency of Virtual Resource Allocation in Cloud Datacenter	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 19	May-18	WOS

79	S.Sivaranjini, S.Mohanraj, V.Kavitha	Intelligent Spectrum Decision ML Algorithms for WSN	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 19	May-18	WOS
80	S.Tamilselvan, A.Arun	An Efficient MAC Design for Image Processing Application	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 19	May-18	WOS
81	K.Sheikdavood, Monish.S, Rajvignesh S, Poornaprasath P, Pugalenthii.A, Pandisiva D	Image Compression using Blind Watermarking Technique	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 20	May-18	WOS
82	M.Manikandan, M.Paranthaman, B.Neeththi Aadithiya	Detection of Calcification form Mammogram Image using Canny Edge Detector	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 20	May-18	WOS
83	M.Annakamatchi, Arthireena.S , V.Keral Shalini	Miniaturized Micro strip patch Antenna for Ultra Wideband Applications	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 20	May-18	WOS
84	S.Mohanraj, V.Kavitha	Machine Vision Based Agricultural Weed Detection and Smart Herbicide Spraying	Indian Journal of Science and Technology	ISSN : 0974- 6846	11 / 23	May-18	WOS
85	T.Abirami, L.Ramesh	Bio-Nano Things: Organically stimulated Bio-Cyber Interface architecture	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	119 / 15 / 3257-3262	May-18	SCOPUS

86	S.Jegadeesan, M.Dhamodaran, M.Azees, S.Sri Shanmugapriya	Design of High Resolution Magnetic Probe for Magnetic Field Measurement on AES Cryptographic FPGA to Analyze the Side Channel Attack	Journal of Magnetics	ISSN: 1226- 1750	23 / 2	May/Jun-18	SCI/SCIE
87	N.Mahendran, Dhevi Sangkari R, Dhivya R, Ishwarya V, Dharani P.V	An Survey: Efficient Searching Algorithms for Fast Motion Pictures	International Journal of Pure and Applied Mathematics	ISSN: 1311- 8080	119 / 12 / 13783- 13791	May-18	SCOPUS

R & D Coordinator

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