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 Vannarpettai, Tirunelveli - 627003, Tamil Nadu

Centre for Research and Development

From June 2020 to May 2021

I. Publication in Scopus indexed journals

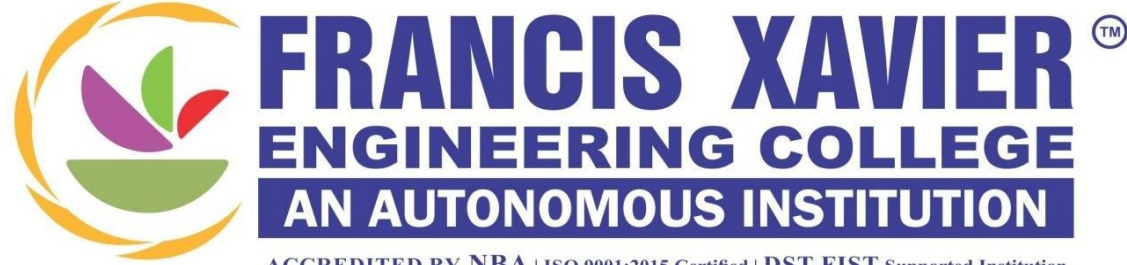
Sl. No.	Activity No.	Authors	Title	Name of the journal	Year	Volume, issue	Page number	ISSN	Indexed
1.	FXEC/ RES/ PUB/ 2020/ CSE/1	Balaji Subramanian, Harold Robinson Yesudhas, Golden Julie Enoch	Channel-Based Encrypted Binary Arithmetic Coding in Wireless Sensor Networks	Ingenierie des Systemes d'Informati on	2020	25(2)	199 - 206	1633- 1311	SCOPUS
2.	FXEC/ RES/ PUB/ 2020/ ECE/1	Pradheep T Rajan. B, Muthu Meena. G , Raja lakshmi. N, Ramalakshmi. B, Lakshminarayanan.K, Kannan.P , Jayaraman.G	Brain Tumor Classification from Cross Modality MRI images using CNN	International Journal of Advanced Science and Technology	2020	29(6)	6232 - 6241	2005- 4238	SCOPUS
3.	FXEC/ RES/ PUB/ 2020/ Civil/1	B. Venkatesan , V.J. Lijina , V. Kannan , P.R. Dhevasenaa	Partial replacement of fine aggregate by steel slag and coarse aggregate by walnut shell in concrete	Materials Today: Proceedings				2214-7853	SCOPUS

4.	FXEC/ RES/ PUB/ 2020/ Civil/2	B. Venkatesan , M. Venuga , P.R. Dhevasenaa , V. Kannan	Experimental study on concrete using partial replacement of cement by Alccofine fine aggregate as iron powder	Materials Today: Proceedings				2214-7853	SCOPUS
5.	FXEC/ RES/ PUB/ 2020/ CSE/1	Balaji Subramanian, Harold Robinson Yesudhas, Golden Julie Enoch	Channel-Based Encrypted Binary Arithmetic Coding in Wireless Sensor	Ingenierie des Systemes d'Information	2020	25(2)	199 - 206	1633-1311	SCOPUS
6.	FXEC/ RES/ PUB/ 2020/ CSE/2	Shiny Irene D, Brundha P , Shankar R	Dispersed Cooperative Cluster Based Communication Protocol for Energy Efficiency in Wireless Sensor Networks	International Journal of Advanced Science and Technology	2020	29(7s)	4871 - 4878	2005-4238	SCOPUS
7.	FXEC/ RES/ PUB/ 2020/ CSE/4	B.Shaumiya, G.Aravind swaminathan , C.Gopalakrishnan	Efficient and Secure Encrypted Data Search using Skyline Queries	International Journal of Advanced Science and Technology	2020	29(6)	7829- 7839	2005-4238	SCOPUS
8.	FXEC/ RES/ PUB/ 2020/ CSE/5	Balaji Subramanian , Harold Robinson Yesudhas, Golden Julie Enoch	A Unique Data Identification System for Wireless Sensor Networks Based on Enhanced Arithmetic Coding	Ingenierie des Systemes d'Information	2020	25(5)	619 - 627	1633-1311	SCOPUS
9.	FXEC/ RES/ PUB/ 2020/ ECE/1	Pradheep T Rajan. B , Muthu Meena. G , Raja lakshmi. N, Ramalakshmi. B, Lakshminarayanan.K, Kannan.P , Jayaraman.G	Brain Tumor Classification from Cross Modality MRI images using CNN	International Journal of Advanced Science and Technology	2020	29(6)	6232 - 6241	2005- 4238	SCOPUS

10.	FXEC/ RES/ PUB/ 2020/ ECE/2	Le Minh Tuan, Le Hoang Son, Hoang Viet Long, L. Rajaretnam Priya , K. Ruba Soundar, Y. Harold Robinson and Raghvendra Kumar	ITFDS: Channel-Aware Integrated Time and Frequency-Based Downlink LTE Scheduling in MANET	Sensors	2020	20	3394	1424-8220	SCOPUS, SCIE
11.	FXEC/ RES/ PUB/ 2020/ ECE/3	Dr. K.Lakshminarayanan , S. A. Sivasankari, Dr.M.Karthikeyan, Dr. V. Saravanan, Dr. T. Samraj Lawrence	Design of Time and Area Efficient variable size partition and segmented amalgam FIR Filter	JOURNAL OF CRITICAL REVIEWS	2020	7 (14)	2674 - 2682	2394-5125	SCOPUS
12.	FXEC/ RES/ PUB/ 2020/ ECE/4	P.KANNAN , DR.S.AROCKIA EDWIN XAVIER, R.RUBY SHANTHI, S.SHYAMA& R.TAMILARASI	DESIGN OF SENSORLESS DRIVE CONTROLLER FOR INDUSTRIAL ORIENTED BRUSHLESS DC MOTOR	International Journal of Mechanical and Production Engineering Research and Development	2020	10(3)	12801 - 12811	2249–6890	SCOPUS
13.	FXEC/ RES/ PUB/ 2020/ ECE/5	A. Andrew Roobert · D. Gracia Nirmala Rani	Design and analysis of a sleep and wake-up CMOS low noise amplifier for 5G applications	Telecommunication Systems	2020			1572-9451	SCOPUS, SCI
14.	FXEC/ RES/ PUB/ 2020/ ECE/6	C. Arul Rathi, G. Rajakumar , T. Ananth Kumar, T.S. Arun Samuel	Design and Development of an Efficient Branch Predictor for an In-order RISC-V Processor	Journal of Nano and Electronic Physis	2020	12(5)	05021 - 4	2077-6772	SCOPUS
15.	FXEC/ RES/ PUB/ 2020/ EEE/1	Selvakumar S , Vignesh Arumgam V, Reegan, Ashok kumar, Ravi A	The State Space Average Model of Buck Boost Converter Fed from Photo Voltaic Array	Test Engineering and Management	2020	83	23567 – 23574	0193-4120	SCOPUS

16.	FXEC/ RES/ PUB/ 2020/ EEE/2	A. Jasmine Gnana Malar, C. Agees Kumar, A. Gnana Saravanan	IoT based sustainable wind green energy for smart cities using fuzzy logic based fractional order darwinian particle swarm optimization	Measurement	2020	166	1-13	0263-2241	SCI, SCOPUS
17.	FXEC/ RES/ PUB/ 2020/ EEE/3	Gnana Saravanan A, Rajaram M	DC-DC Integrated Power Factor Correction Converter for Nonlinear Load	TEST Engineering and Management	2020	83	29040– 29044	0193-4120	SCOPUS
18.	FXEC/ RES/ PUB/ 2020/ EEE/4	J.DanielSathyaraj, Faustino Adlinda M , Vignesh Arumugam V, R.Aandal, A. Ravi	The State Space Average Model Of Boost Converter Fed From Photo Voltaic Array	TEST Engineering and Management	2020	83	30225- 30230	0193-4120	SCOPUS
19.	FXEC/ RES/ PUB/ 2020/ EEE/5	P. Suresh, U. Muthuraman, M. Revathi, K.B. Rajesh , U. Saravanakumar, Z. Jaroszewicz	Multiple focal structure generation of incident beam in the focal region under tight focusing	Materials Today: Proceedings	2020			2214-7853	SCOPUS
20.	FXEC/ RES/ PUB/ 2020/ EEE/6	P. Annapandia, R. Banumathi, N.S. Pratheeba and A. Amala Manuela	Power flow management scheme of hybrid renewable energy source to maximize power transfer capability using I2HOSOA approach	Journal of Intelligent & Fuzzy Systems	2020			1064-1246	SCOPUS / SCI
21.	FXEC/ RES/ PUB/ 2020/ EEE/7	V.Jothi Arulkumar Austin Dr.A.Ravi	State Space Averaged Modeling of the Bridge type Forward Watkins Johnson DC to DC Converter	Solid State Technology	2020	63	6	0038-111X	SCOPUS
22.	FXEC/ RES/ PUB/ 2020/ EEE/8	V.Jothi Arulkumar Austin Dr.A.Ravi	Enhancing the Operational Range of the Bridge Type Inverse Watkins Johnson Converter	Solid State Technology	2020	63	5	0038-111X	SCOPUS

23.	FXEC/ RES/ PUB/ 2020/ IT/1	S. Princy Suganthi Bai, D. Ponmary Pushpa Latha, D. Joseph Pushpa Raj and R. David Vinodhkumar Paul	Reliable Face Recognition System using KPCA based Feature vector	International Journal on Emerging Technologies	2020	11(3)	681 - 685	0975-8364	SCOPUS
24.	FXEC/ RES/ PUB/ 2020/ IT/2	J.Monica Esther , D. Ponmary Pushpa Latha, S. Thanga Helina	Various Techniques on Identifying the Existence of Forgery Content in Digital Images for Safe Engineering Applications	Journal of Green Engineering	2020	10(4)	1732 - 1749	2245-4586	SCOPUS
25.	FXEC/ RES/ PUB/ 2020/ Mech/1	K. Robinston Jeyasingh Swikker , H. Kanagasabapathy , I. Neethi Manickam , N. Vijay Ponraj Nadar , S. Alwin	Effect of sintering temperature on grain growth and mechanical properties of copper/graphene nanosheet composite	Diamond & Related Materials	2020	110	108111	0925-9635	SCOPUS
26.	FXEC/ RES/ PUB/ 2020/ CHE/1	M.S. Revathy, R. Suman , Naidu Dhanpal Jayram, D. Geetha, T. Chitravel	Multifarious properties of Bunsenite nanosphere NiO using coprecipitation method	Materials Today: Proceedings	2020				SCOPUS



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Sl. No.	Activity No.	Authors	Title	Name of the journal	Year	Volume, issue	Page number	ISSN	Indexed
3.	FXEC/ RES/ PUB/ 2019/ Civil/1	M.Renisha, S.Ashvithavalli N.Sakthieswaran	Improvisation of Dense Matrix of Reactive powder concrete by Zircon Sand and sillimanite	International Journal of Recent Technology and Engineering	2019	8(2)	6181-6185	2277-3878	SCOPUS
4.	FXEC/ RES/ PUB/ 2019/ Civil/2	P.Rajapriya and V.Kannan	Performance and micro structural analysis of Portland slag cement mortar induced with pozzolantic additives	International Journal of Recent Technology and Engineering	2019	8(4)	744-750	2277-3878	SCOPUS
5.	FXEC/ RES/ PUB/ 2019/	M.A.Raja and M.Sophia	Influence of expensive agent on the dimensional stability and mechanical properties of gypsum plaster	International Journal of Recent Technology and Engineering	2019	8(4)	928-931	2277-3878	SCOPUS

	Civil/3								
6.	FXEC/ RES/ PUB/ 2019/ Civil/4	Seenipandi Kaliraj, Nainarpandian Chandrasekar & Kizhur Kandathil Ramachandran	Coastal habitat vulnerability of southern india: a multiple parametric approach of gis based hvi (habitat vulnerability index) model	Geografia fisica e dinamica quaternaria	2019	42(1)	27-42	03919838	SCOPUS
7.	FXEC/ RES/ PUB/ 2019/ Civil/5	S.Vivek , Sophia M	Efficient management of Egg shell and Conch shell wastes by utilization as bio- fillers in eco-friendly gypsum mortar	International Journal of Recent Technology and Engineering	2019	9(2)	5590	2249- 8958	SCOPUS
8.	FXEC/ RES/ PUB/ 2019/ Civil/6	Dr.V.Kannan , Dr.B.Venkatesan, V.Krishnasankar and P.Raja Priya	An Experimental Study on the Strengthening of Concrete Column Using Glass Fibre Wrapping	GEDRAG & ORGANISATIE REVIEW	2020	33(2)	56-67	0921- 5077	SCOPUS WOS
9.	FXEC/ RES/ PUB/ 2019/ Civil/7	M.Angelina Thanga Ajisha , Jaslin J. Christopher	Morphological Study Of Low- Cost Adsorbents For The Removal Of Heavy Metal Ions From Waste water	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2020	9(4)	3163-65	ISSN 2277- 8616	SCOPUS
10	FXEC/ RES/ PUB/ 2019/ Civil/8	Jithin Chandrababu , Dr. N.Sakthieswaran	Prediction of Strength for Composite Plastering Material with the aid of Artificial Neural Network (ANN) & Fuzzy Logic (FL)	Journal of Xidian University	2020	14(4)	3631-42	ISSN 1001- 2400	SCOPUS
11	FXEC/ RES/ PUB/ 2019/ Civil/9	Mr. J. Samuel Prabaharan , Dr. R. Viji	Evaluation of Groundwater Quality Using Remote Sensing and GIS Techniques in Tirunelveli District, India	Journal of Xidian University	2020			ISSN 1001- 2400	SCOPUS
12	FXEC/			Journal of Xidian	2020	14(4)	3798-	ISSN	SCOPUS

	RES/ PUB/ 2019/ Civil/10	Dynisha.S , J.Thirumal, Kumaresh.E	DISCRIMINATIVE BEHAVIOR OF ACTIVATED CARBON PROCESSED BY CAMELLIA SINENSIS	University			3803	1001- 2400	
13	FXEC/ RES/ PUB/ 2019/ Civil/11	R.Ani Valan Rekha and Jithin Chandrababu	Experimental investigation on durability of high strength concrete using hybrid fibers	Journal of Xidian University	2020	14(5)	454	ISSN 1001- 2400	SCOPUS
14	FXEC/ RES/ PUB/ 2019/ CSE/1	P.S.Apirajitha, C.Gopala Krishnan , G.Aravind Swaminathan, E.Manohar	Enhanced Secure User Data on Cloud using Cloud Data Centre Computing and Decoy Technique	International Journal of Innovative Technology and Exploring Engineering	2019	8(9)	1436	2278- 3075	SCOPUS
15	FXEC/ RES/ PUB/ 2019/ CSE/2	N.Rajeswaran, C.Gokilavani, T.Samraj Lawrence , P.Ramkumar	Fractional Brownian motion Noise Removal in Breast Cancer Magnetic Resonance Images	International Journal of Innovative Technology and Exploring Engineering	2019	8(6)	1362	2278- 3075	SCOPUS
16	FXEC/ RES/ PUB/ 2019/ CSE/3	N.Rajeswaran, T.Samraj Lawrence , R.P.Ramkumar, N.Thangadurai	An Efficient Technique to Remove Gaussian Noise and Improve the Quality of Magnetic Resonance Image	International Journal of Innovative Technology and Exploring Engineering	2019	8(10)	2375	2278- 3075	SCOPUS
17	FXEC/ RES/ PUB/ 2019/ CSE/4	Ch.NarendraKumar, M.Pradeep, N.Rajeswaran, T.SamrajLawrence	Sensor Based Smart Monitoring and Controlling System for Cultivation using Labview	International Journal of Innovative Technology and Exploring	2019	8(11)	3687	2278- 3075	SCOPUS

				Engineering					
18	FXEC/ RES/ PUB/ 2019/ CSE/5	Subramanian Balaji , Eanoch Golden Julie, Yesudhas Herold Robinson, Raghvendra Kumar, Pham Huy Thong and Le Hoang Son	Design of a security-aware routing scheme in Mobile Ad- hoc network using repeated game model	Computer standards & interfaces	2019	66	1-10	0920 - 5489	SCOPUS
19	FXEC/ RES/ PUB/ 2019/ CSE/6	S.Balaji	AVRM: adaptive void recovery mechanism to reduce void nodes in wireless sensor networks	Peer to peer networking and applications	2019		1-15	19366450	SCOPUS
20	FXEC/ RES/ PUB/ 2019/ CSE/7	Y.Herold Robinson, E.Golden Julie, S.Balaji	Optimized cost reduced parallel processing methodology for implementing effective big data analytics	Intelligent systems reference library	2020			18684394	SCOPUS
21	FXEC/ RES/ PUB/ 2019/ CSE/8	S. Gomathi , C. Gopala Krishnan	Malicious Node Detection in Wireless Sensor Networks Using an Efficient Secure Data Aggregation Protocol	Wireless Personal Communications	2020				SCOPUS
22	FXEC/ RES/ PUB/ 2019/ ECE/1	R. Joshua Samuel Raj, T.Sudarson Rama Perumal, N.Muthukumar ,	Road Accident Data Analytics Using Map – Reduce Concept	International Journal of Innovative Technology and Exploring Engineering	2019	8(11)	1032- 1037	2278- 3075	SCOPUS
23	FXEC/ RES/ PUB/ 2019/ ECE/2	A.Karthika, N. Muthukumar , R. Joshua Samuel Raj	An Ads-Csab Approach For Economic Denial Of Sustainability Attacks In Cloud Storage	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2020	9(4)	2575-78	ISSN 2277- 8616	SCOPUS

24	FXEC/ RES/ PUB/ 2019/ ECE/3	G.IgnishaRajathi R.Vedhapriyavadhana L.R.Priya	Robotic Dustbin on wheels	International Journal of Recent Technology and Engineering	2019	9(1)	1990 - 93	2277- 3878	SCOPUS
25	FXEC/ RES/ PUB/ 2019/ ECE/4	L.R.Priya G.IgnishaRajathi R.Vedhapriyavadhana	Crop Disease Monitoring System	International Journal of Recent Technology and Engineering	2019	8(4)	3050-53	2277- 3878	SCOPUS
26	FXEC/ RES/ PUB/ 2019/ ECE/5	M.Suresh Chinna thampy , C.Amarsingh Feroz, S.Allwin Devaraj, S.Esakki Rajavel	Performance analysis of reduced handoff interruption time and energy utilization in cognitive radio networks by unmanned area vehicle	International journal of recent Technology and Engineering	2019	8(4)	9483- 9486	2277- 3878	SCOPUS
27	FXEC/ RES/ PUB/ 2019/ ECE/6	Dr. Rajakumar	Design and Implementation of 256 Bit Modified Square Root Carry Select Adder for Area and Delay Reduction	International Journal of Engineering and Advanced Technology (IJEAT)	2019	9(2)	407	22498958	SCOPUS
28	FXEC/ RES/ PUB/ 2019/ ECE/7	Dr.K.Lakshminarayanan	Anew integrated approach based on the iterative super-resolution algorithm and expectation maximization for face hallucination	Applied sciences	2020	10	718	14545101	SCOPUS
29	FXEC/ RES/ PUB/ 2019/ ECE/8	P.Kannan	A comparison of the performance Indices of Embedded EZ-source inverter using different PWM techniques	Wireless personal communications	2019				SCOPUS
30	FXEC/ RES/	Jayasree T and Prem ananth	Sound signal based fault classification system in	Journal of sound and vibration	2019				SCOPUS

	PUB/ 2019/ ECE/9		motorcycles using hybrid feature sets and extreme learning machine classifiers						
31	FXEC/ RES/ PUB/ 2019/ ECE/10	Amarsingh Feroz, C.Lakshmi narayanan, K.Jeyaraman, G.Allwin devaraj and Precila	Transmission of data between Devices via mobile edge processing in wi-fi networks	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2020	9(4)	1567	ISSN 2277-8616	SCOPUS
32	FXEC/ RES/ PUB/ 2019/ ECE/11	S. Allwin Devaraj and T. Aruna	MACBHA: Modified Adaptive Cluster-Based Heuristic Approach with Co-operative Spectrum Sensing in Wireless Sensor Networks	Wireless personal communications	2020				SCOPUS
33	FXEC/ RES/ PUB/ 2019/ EEE/1	A.Gnanasaravanan	Stability Prediction of soft switched isolated DC-DC converter	International Journal of Innovative Technology and Exploring Engineering	2019	9(2)	953	22783075	SCOPUS
34	FXEC/ RES/ PUB/ 2019/ EEE/2	A. Ravi, Aandal R, Daniel sathiyaraj J , Selvakumar S, Selvam N V	Performance of Seven Level Inverter with Different Modulation Techniques	TEST Engineering and Management	2020	83	15502-6	0193-4120	SCOPUS
35	FXEC/ RES/ PUB/ 2019/ EEE/3	A. Ravi, J. Shameema Sulthana, R. Satheesh, R. Aandal	CONVENTIONAL MAXIMUM POWER POINT TRACKING TECHNIQUES FOR SOLAR PHOTO VOLTAIC SYSTEMS: A CONCISE REVIEW	Journal of Critical Reviews	2020	7(6)	86-99	2394-5125	SCOPUS
36	FXEC/ RES/		The State Space Average Model	TEST Engineering and Management	2020	83	15839-15842	<i>0193-4120</i>	SCOPUS

	PUB/ 2019/ EEE/4	A. Ravi , J. Daniel Sathyaraj, R. Aandal, S. Selvakumar, N. V. Selvam	of Buck Converter Fed from Photo Voltaic Array						
37	FXEC/ RES/ PUB/ 2019/ EEE/5	P.Annapandi , S.Priyanga	Grid Connected Wind Energy Conversion System for Power Quality Improvement	TEST Engineering and Management	2020	83	16164 - 16167	0193- 4120	SCOPUS
38	FXEC/ RES/ PUB/ 2019/ EEE/6	Dr.R. Nafeena , A. Abdul Munaf K., Chandrasekar , M. Baskar , P.Annapandi , G. Suresh	Design and Online Re-tuning of Power System Stabilizers Using Phasor Measurement Unit	Jour of Adv Research in Dynamical & Control Systems	2020	12(4)	1147 - 1155	1943- 023X	SCOPUS
39	FXEC/ RES/ PUB/ 2019/ IT/1	S.Surya & R.Ravi	MSPO-SHM: Modified PSO based structural health monitoring system for detecting the faulty sensors in WSN	Wireless Personal Communications	2019	Vol.108 No.1	141-157	0929- 6212	SCI
40	FXEC/ RES/ PUB/ 2019/ IT/2	Edvin Raja, R.Ravi	A performance analysis of Software Defined Network based prevention on phishing attack in cyberspace using a deep machine learning with CANTINA approach (DMLCA)	Computer Communications		Article in press		0140- 3664	SCOPUS
41	FXEC/ RES/ PUB/ 2019/ IT/3	Ajesh f , Ravi R , Revlin Brillians	Fabrication & characterization of 4-amino-6- hydroxy-2-mercapto pyrimidine stabilized gold nanoparticles for electrocatalytic application of epinephrine and uric acid	Journal of Optoelectronic and Biomedical Materials	2019	11(3)	53-60	2066- 0049	SCIE
42	FXEC/	F. Ajesh and R. Ravi	Hybrid features and	Int J Imaging Syst	2020		1-19	08999457	SCIE

	RES/ PUB/ 2019/ IT/4		optimization-driven recurrent neural network for glaucoma detection	Technol					
43	FXEC/ RES/ PUB/ 2019/ IT/5	Princy Suganthi bai, Ponmary pushpa latha, Joseph Pushpa raj	A novel face recognition system for plastic surgery face database using single eigen value	International journal of Engineering and Advanced Technology	2019	8(5)	1025 - 1030	2249 - 8958	SCOPUS
44	FXEC/ RES/ PUB/ 2019/ IT/6	Vasantha lokilam.K, Ponmary pushpa latha, Joseph Pushpa raj	Learning of concept drift and multi class imbalanced dataset using resampling ensemble methods	International journal of Recent Technology and Engineering	2019	8(1)	1332-1340	2277-3878	SCOPUS
45	FXEC/ RES/ PUB/ 2019/ Mech/ 1	S. Joe Patrick Gnanaraj and V. Velmurugan	Experimental investigation on the performance of modified single basin double slope solar stills	International Journal of Ambient Energy	2019	23	1-10	2162-8246	SCOPUS
46	FXEC/ RES/ PUB/ 2019/ Mech/ 2	S. Joe Patrick Gnanaraj and V.Velmurugan	An experimental study on the efficacy of modifications in enhancing the performance of single basin double slope solar still	Desalination	2019	467	12;28		SCOPUS, SCI, WOS
47	FXEC/ RES/ PUB/ 2019/ Mech/ 3	S. Joe Patrick Gnanaraj and V.Velmurugan	An experimental investigation to optimize the production of single and stepped basin solar stills - a Taguchi approach	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2020			1556-7036	SCOPUS
48	FXEC/ RES/ PUB/ 2019/	S.Joe Patrick Gnanaraj , A. Abdul Munaf, P.Ebenezer Sathish Paul, M.Saravana Kumar,	Enhancing the Friction Welding on Cast/SIC Composites	International Journal of Recent Technology and Engineering	2019	Volume-8 Issue-4,	12179-12184	ISSN: 2277-3878	SCOPUS

	Mech/ 4	R.Prabaharan		(IJRTE)					
49	FXEC/ RES/ PUB/ 2019/ Mech/ 5	M.Saravana Kumar , S.Joe Patrick Gnanaraj P. Ebenezer Sathish Paul, R.Prabaharan	Optimization of Machining Parameter in Drilling of Coir- bagasse natural fiber Reinforced Polymer Composites	International Journal Of Scientific And Technology Research	2019	9(1)	4250	2277- 8616	SCOPUS
50	FXEC/ RES/ PUB/ 2019/ Mech/ 6	Sathish Kumar , I.Neethi Manickam, K.S. Maheswari, Robinston Swikker	Strength And Behaviour Analysis Of Honeycomb Sandwich Composite Structure	International Journal Of Scientific And Technology Research	2019	9(1)	2668	2277- 8616	SCOPUS
51	FXEC/ RES/ PUB/ 2019/ Mech/ 7	R. Arulkumar, H. Kanagasabapathy and I. Neethi Manickam	Combination of Agricultural Waste and Saw Dust into Biomass Material for Briquette	Indian Journal of Ecology	<i>(2019)</i>	<i>46(1):</i>	<i>188-191</i>	03045250	SCOPUS
52	FXEC/ RES/ PUB/ 2019/ Mech/ 9	P.Ebenezer Sathish Paul , A. Abdul Munaf, K.Logesh , S Shylin H Jose, S.Joe Patrick Gnanaraj and V. Khalkar	WEAR CHARACTERISTICS OF ALUMINIUM 7075 REINFORCEMENT WITH ZrO2	Journal of Xidian University	2020	14(4)	2267-75	10012400	SCOPUS
53	FXEC/ RES/ PUB/ 2019/ Mech/ 10	R.Samuel Hansen , A. Abdul Munaf, K. Bravilin Jiju, K.Logesh S.Joe Patrick Gnanaraj , and V. Khalkar	INTEGRATED PERFORMANCE OF A STEEPED SOLAR STILL WITH POROUS MATERIALS AND PV RECIRCULATION PUMP	Journal of Xidian University	2020	14(4)	2827-36	1001- 2400	SCOPUS
54	FXEC/ RES/ PUB/ 2019/	Esakki Raja, Anand k, Elson Pushpa M, Ganeshamanikandan C, Jeremy Jeba Samuel J	Experimental Investigation On Fabrication Methods Of Glass Fibre With Rubber Powder For Radome	Journal of Xidian University	2020	14(5)	894-900	1001- 2400	SCOPUS

	Mech/ 11		Applications						
55	FXEC/ RES/ PUB/ 2019/ Mech/ 12	S. Navaneethakrishnan, V. Sivabharathi, and S. Ashokraj	Weibull distribution analysis of roselle and coconut-shell reinforced vinylester composites	Australian Journal of Mechanical Engineering	2019	online	1-10	2204-2253	SCOPUS
56	FXEC/ RES/ PUB/ 2019/ Mech/ 13	Mr.R.Vijayan, Dr. Krishnamoorthy A , Mr.G.Vairamani	Investigation of Structural behavior of alternative friction material for clutch facing applications using Ansys	TEST Engineering and Management	2020	83	6346 - 6351	0193-4120	SCOPUS
57	FXEC/ RES/ PUB/ 2019/ MCA/ 1	Angeline Ranjithamani D , Suganna R, Abraham David L, Mano Jesintha G, Siyamala Devi A	Active Learning with Screen Sharing and Web Information Retrieval	International Journal of Advanced Science and Technology	2020	29(7)	113-121	2005-4238	SCOPUS
58	FXEC/ RES/ PUB/ 2019/ Phy/ 1	K. Jeyapappa	Growth, microhardness, dielectric and EDS studies of Undoped and Strontium Chloride doped L-tartaric acid (SCLTA) crystals	Journal of Xidian University	2020	14 (4 5)	93 - 100	1001-2400	SCOPUS
59	FXEC/ RES/ PUB/ 2019/ Che/ 1	M. S. Revathy, S. R. Chitra, R. Suman , S. Shenbagavalli, S. Jeyavijayan, T. Theivashanthi	Ni Substituted MgMn Nanoferrites as Antibacterial Agent for Biotextile Application	International Journal of Engineering and Advanced Technology (IJEAT)	2019	Volume-9, Issue-1S4,	300 - 304	2249 – 8958	SCOPUS

III. Publication in SCOPUS through Conference

Sl. No.	Activity No.	Authors	Title	Name of the journal	Year	Page number	Indexed
1.	FXEC/ RES/ CONF/ 2019/ Civil/ 1	Karthiga, S.N., Santhosh, R., Kannan, V.	Comparison of seismic performance of reinforced concrete frame structure and composite frame structure using response spectrum analysis	IOP Conference Series: Materials Science and Engineering	2020		SCOPUS
2.	FXEC/ RES/ CONF/ 2019/ Civil/ 2	Selvi, S.A., Kumar, T.A., Rajesh, R.S., Ajisha, M.A.T.	An Efficient Communication Scheme for Wi-Li-Fi Network Framework	Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019	2019		SCOPUS
3.	FXEC/ RES/ CONF/ 2019/ CSE/ 1	R.Brindha, Dr.G.Rajakumar, Selsi Aulvina.C	Multiple Constant Multiplication Based Variable Size Partitioning FIR Filters	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
4.	FXEC/ RES/ CONF/ 2019/ CSE/ 2	Dr. C.Gopala Krishnan, Mr.K. Sivakumar, Dr.E. Manohar	An Enhanced Method to Secure and Energy Effective Data Transfer in WSN using Hierarchical and Dynamic Elliptic Curve Cryptosystem	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
5.	FXEC/ RES/ CONF/ 2019/ ECE/ 1	Anubala V.P, Dr. N. Muthukumaran, Nikitha R	Performance Analysis of Hookworm Detection using Deep Convolutional Neural Network	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS

6.	FXEC/ RES/ CONF/ 2019/ ECE/ 2	Nikitha R Mrs. R. Vedhapriyavadhana, Anubala V.P	Video Saliency Detection using Weight Based Spatio-Temporal Features	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
7.	FXEC/ RES/ CONF/ 2019/ ECE/ 3	Chelace CHD, Mrs. J. Friska, S. Anusha Priya	Automatic Performance Evaluation of Smart Transmitters using Highway Addressable Remote Transducer Communication	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
8.	FXEC/ RES/ CONF/ 2019/ ECE/ 4	Tony Claudia .A, Mr. S. Esakki Rajavel, Dr.T.Aruna	Optimizing Spectrum sensing for Energy Efficient Cognitive Radio Sensor Networks	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
9.	FXEC/ RES/ CONF/ 2019/ ECE/ 5	Santhana Lakshmi. N, Mrs. M. Chitra Evangelin Christina, Persis Saro bell .N	Pectoral Muscle Segmentation in the Identification of Breast Cancer	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
10.	FXEC/ RES/ CONF/ 2019/ ECE/ 6	Persis Saro bell .N, Mrs. L. R. Priya, Santhana Lakshmi. N	Secure Data Hiding based on most Significant Bit Error Prediction Mechanism using Blowfish Algorithm	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
11.	FXEC/ RES/ CONF/ 2019/ ECE/ 7	P. Kannan, Dr. S. Arockia Edwin Xavier, Percy Ponnammal J	Harmonic Analysis of Three-Phase High-Voltage Gain Switched LC Z- Source Inverters	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
12.	FXEC/ RES/	Kiruthika Lakshmi V, C.Amarsingh Feroz,	Automated Detection and Segmentation of Brain	Proceedings of the International Conference on	2019	IEEE Conference	SCOPUS

	CONF/ 2019/ ECE/ 8	Asha Jenia Merlin J	Tumor using Genetic Algorithm	Smart Systems and Inventive Technology, ICSSIT 2018			
13.	FXEC/ RES/ CONF/ 2019/ ECE/ 9	Allwin Devaraj , S., Nisharni, B., Mala, S., Mutharasi, T.	Improved Reversible Data Hiding Schemes Based On Invariant Image Classification	2019 International Conference on Recent Advances in Energy-Efficient Computing and Communication, ICRAECC 2019	2019		SCOPUS
14.	FXEC/ RES/ CONF/ 2019/ ECE/ 10	Dr. N. Muthukumar , N.Ruban Guru Prasath, R. Kabilan	Driver Sleepiness Detection Using Deep Learning Convolution Neural Network Classifier	Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019	2019	IEEE Conference	SCOPUS
15.	FXEC/ RES/ CONF/ 2019/ ECE/ 11	Dr. N. Muthukumar , V.P. Anubala, R. Nikitha	Performance Analysis of Hookworm Detection using Deep Convolutional Neural Network	IEEE Xplore, 2018 International Conference on Smart Systems and Inventive Technology	2019	IEEE Conference	SCOPUS
16.	FXEC/ RES/ CONF/ 2019/ ECE/ 12	J. Asha Jenia Merlin ; D. Regi Timna ; P. Salomi	Automatic Screening of Retinal Structure using Adaptive Fuzzy Thresholding	IEEE Xplore, 2018 International Conference on Smart Systems and Inventive Technology	2019	IEEE Conference	SCOPUS
17.	FXEC/ RES/ CONF/ 2019/ ECE/ 13	Dr.R.Kabilan , Selsi Aulvina	Low power and area efficient borrow save adder design	IEEE Xplore, 2018 International Conference on Smart Systems and Inventive Technology	2019	IEEE Conference	SCOPUS
18.	FXEC/ RES/ CONF/ 2019/	E.Francy Irudaya Rani , R.Niranjana	Novel Engineering of Smart Electronic Wheelchair with Physiotherapy Treatment	Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-	2019	IEEE Conference	SCOPUS

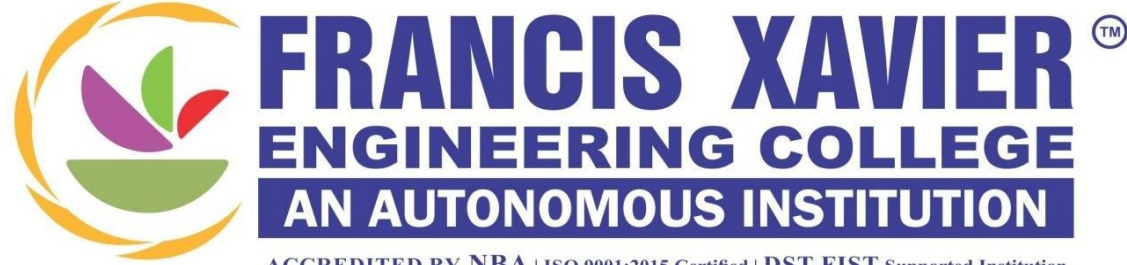
	ECE/ 14		Compatibility	SMAC 2019			
19.	FXEC/ RES/ CONF/ 2019/ IT/ 1	M. Caroline Viola Stella Mary, G. Prince Devaraj, T. Anto Theepak, D. Joseph Pushparaj, J. Monica Esther	Intelligent Energy Efficient Street Light Controlling System based on IoT for Smart City	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS
20.	FXEC/ RES/ CONF/ 2019/ IT/ 2	Joseph Pushpa Raj, D., Ponmary Pushpa Latha, D.	Dimensionality Reduction of Attributes in order to Predict Parkinson's Disease Using Linear Model	Proceedings of the 2nd International Conference on Smart Systems and Inventive Technology, ICSSIT 2019, art. no. 8987846, pp. 605-608.	2019	IEEE Conference	SCOPUS
21.	FXEC/ RES/ CONF/ 2019/ IT/ 3	Dr.A.Anitha, Dr.D.C.Joy Winnie Wise	Forecasting Dengue Fever using Classification Techniques in Data Mining	Proceedings of the International Conference on Smart Systems and Inventive Technology, ICSSIT 2018	2019	IEEE Conference	SCOPUS

IV. Book chapter

Sl. No.	Department	Authors	Title	Name of the book and publication	Year	Page number
1.	FXEC/ RES/ BOOK/ 2019/ CIVIL/1	S.Asivitha valli	Effect of natural rubber, carbon black and copper slag as construction materials in flexible pavement: a review	Advances in transportation engineering	2019	59-64
2.	FXEC/ RES/ BOOK/ 2019/ CSE/1	Anitha amaithi rajan Aravind swaminathan, Bruntha and Beslin	A comparative analysis of LEACH, TEEN SEP and DEEC in Hierarchical clustering algorithm for	Intelligent Communication Technique and virtual mobile networks / Springer	2019	395-403

		pajila	WSN sensors			
3.	FXEC/ RES/ BOOK/ 2019/ CSE/2	E.Manohar	Discovering web users' web access pattern based on psychology	Intelligent Communication Technique and virtual mobile networks / Springer	2019	301-310
4.	FXEC/ RES/ BOOK/ 2019/ CSE/3	R.Monica Rachel, D.C.Joy Winnie Wise,K.Raja Sundari and N.Raja Priya	Data analysis in social networks based on similarity measurements on multi-attribute trajectories	Intelligent Communication Technique and virtual mobile networks / Springer	2019	518-526
5.	FXEC/ RES/ BOOK/ 2019/ CSE/4	S.Ganesh velu, C.Gopalakrishnan, K.Sivakumar and J.A.Jevin	Proof of shared ownership and construct a collaborative cloud applications	Intelligent Communication Technique and virtual mobile networks / Springer	2019	504-510
6.	FXEC/ RES/ BOOK/ 2019/ CSE/5	V.Senthurselvi, S.Gomathi, V.Perathu selvi and M.Sharon Nisha	Efficient and secure data storage CP-ABE Analysis algorithm	Intelligent Communication Technique and virtual mobile networks / Springer	2019	470-476
7.	FXEC/ RES/ BOOK/ 2019/ CSE/6	P.J.Beslin Pajila and Golden Julie	Detection of DDoS attack using SDN in IoT: A survey	Intelligent Communication Technique and virtual mobile networks / Springer	2019	438-452
8.	FXEC/ RES/ BOOK/ 2019/ CSE/7	Beslin Pajila	Handbook of research on implementation and deployment of IoT projects in smart cities	IGI Global	2019	117-119
9.	FXEC/ RES/ BOOK/ 2019/ IT/1	S.Surya and R.Ravi	Damage detection and evaluation in wireless sensor network for structural health monitoring	Intelligent Communication Technique and virtual mobile networks / Springer	2019	207 - 211
10.		Kaliraj Seenipandi, K.K.Ramachandran, N.Chandrasekar	Modeling of coastal environmental vulnerability in South India: a multiple parametric approach using remote sensing and GIS	Remote sensing of Ocean and coastal environments Elsevier	2020	225 - 249

11.		Kaliraj Seenipandi, K.K.Ramachandran, N.Chandrasekar	Modeling of coastal vulnerability to sea level rise and shoreline erosion using modified CVI model	Remote sensing of Ocean and coastal environments Elsevier	2020	316 -340
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From June 2018 to June 2019

V. Publication in Scopus indexed journals

Sl. No	Department	Authors	Title of the paper	Journal Name	Year of Published	Volume	page No.
1.	CIVIL	Shalini.J, Ravikumar.M.S, Nalanth.N, Kannan.S.U	Effective utilization of plastic waste material in the production of environmentally friendly concrete	International Journal of Civil Engineering and Technology	2018	9	1478-1486
2.	CIVIL	Seenipandi, Kaliraj, Chandrasekar S, Nainarpandian, Ramachandran Kizhur Kandathil, and Selvakumar Sellamuthu	Seawater intrusion vulnerability in the coastal aquifers of southern India— an appraisal of the GALDIT model, parameters’ sensitivity, and hydrochemical indicators	Environmental Science and Pollution Research	2019	55	9755-9784

3.	CIVIL	Vincent Jayaraj Joevivek, Nainarpandian Chandrasekar, Ramakrishnan Jayangondaperuma I, Vikram Chandra Thakur, Krishnan Shree Purniema	An interpretation of wave refraction and its influence on foreshore sediment distribution	Acta Oceanologica Sinica	2019	38	151 – 160
4.	CIVIL	V Joevivek, Chandrasekar N, Saravanan and Shree Purniema K	Deducing temporal correlation between nearshore wave process and surficial heavy mineral placer deposits: A case study along the central Tamil Nadu coast, India	Indian Journal of Geo Marine Sciences	2019		126-136
5.	CSE	I. Jeena Jacob, K.G. Srinivasagan, P.Ebby Darney, K. Jayapriya	Deep Learned Inter-Channel Colored Texture Pattern: A new Chromati-Texture Descriptor	Pattern Analysis and Applications	2018	7	15-20
6.	CSE	I.Jeena Jacob, K.G.Srinivasagan, S. Gomathi, P. Joyce Beryl Princess, P.Betty, P.Ebby Darney	Tri-Chrominance Texture Pattern: A New Feature Descriptor	International Journal of Engineering & Technology	2018	7	22-28
7.	CSE	Betty.P,Sathya.D, Nithya Roopa.S,I. Jeena Jacob, Emy Ramola	An Efficient Algorithm for Power and Delay Minimization in on-chip Bus	International Journal of Pure and Applied Mathematics	2018	118	4433- 4438
8.	CSE	S. Balaji, Y. Harold Robinson	Development of Multipath Resilience Routing Technique to improve the	IEEE Xplore	2018		ISBN:97 8-1- 5386-

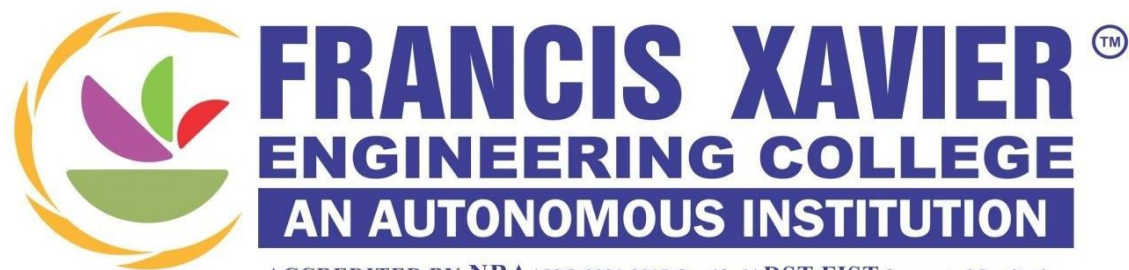
			Fault tolerance in Mobile Ad-hoc Networks				2456-2
9.	CSE	. Harold Robinson, S. Balaji, E. Golden Julie	PSOBLAP: Particle Swarm Optimization-Based Bandwidth and Link Availability Prediction Algorithm for Multipath Routing in Mobile Ad Hoc Networks	Wireless Personal Communications	2018	106	2261-2289
10	CSE	Y. Harold Robinson, S. Balaji, E. Golden Julie	Design of a Buffer Enabled Ad hoc On-demand Multipath Distance Vector Routing Protocol for Improving Throughput in Mobile Ad hoc Networks	Wireless Personal Communications	2018	106	2053-2078
11	CSE	Y. Harold Robinson, S. Balaji, E. Golden Julie	FPSOEE: Fuzzy-enabled particle swarm optimization-based energy-efficient algorithm in mobile ad-hoc networks	Journal of Intelligent & Fuzzy Systems	2019	36	3541-3553
12	CSE	S.Gomathi, D.Manimegalai	Hierarchically Distributed Peer-to-Peer Architecture for Load Balancing and Effective Dynamic Group Scheduling in Grid Computing	International Journal of Business Information Systems	2019	32	1;19
13	CSE	Vinola C & Vimala Devi K	Smile intensity recognition in real time videos: fuzzy system approach	Multimedia Tools and Applications	2018	78	15033-15052

14	ECE	L.R. Priya, K. Rubasoundar	LTE: An Enhanced Hybrid Domain Downlink Scheduling	Cognitive Systems Research	2018	52	550-555
15	ECE	Allwin Devaraj, Dr. T. Aruna, S. Esakki Rajavel	Co-Operative Spectrum Sensing for LTE-A and WiFi Users in Cognitive Radio Networks	Jour of Adv Research in Dynamical & Control Systems	2018	10	1626-1636
16	ECE	V.Divya K.Lakshmi narayanan	Robust and Brittle Secured Video for IoT” in International Journal of Engineering and Technology	International Journal of Engineering & Technology	2018	20	93-96
17	ECE	R. Kabilan, T. P. Kumar, R. Suman, M. S. Revathy, T. Chitravel, R. Ravi	Fabrication and characterization of electro-deposited Cu ₄ ZnSnS ₄ thin film absorber layer for solar power engineering applications	Chalcogenide letters	2019	16	137-141
18	EEE	P.Annapandi, S.P. Rajaram	Implementation Analysis on Parallel Parking Scheme for Autonomous Robots based on Nonholonomic Constraints	Current Signal Transduction Therapy	2018	13	1574-1580
19	EEE	A.Gnanasaravanan ,S. Muthukaruppasamy, A.Abudhahir, J.Gnanavadivel	Design and implementation of PIC/FLC plus SMC for positive output elementary super lift luo converter working in discontinuous conduction mode'	Journal of Electrical Engineering and Technology	2018	13	1886-1900
20	EEE	Natarajan S, Muthuraman Udayabanu, Ponnann S,	Performance of Nano-Silica Modified Self-Compacting Glass Mortar at Normal and Elevated Temperatures	Materials	2019	12	437-442

		Murugan S.					
21	IT	K. Praghash and R. Ravi	An Enhanced Steiner Hierarchy (E-SH) Protocol to Mitigate the Bottleneck in Wireless Sensor Networks (WSN)	Wireless Personal Communications	2019	105	1285-1308
22	IT	R. Tino Merlin and R. Ravi	Novel Trust Based Energy Aware Routing Mechanism for Mitigation of Black Hole Attacks in MANET	Wireless Personal Communications	2019	104	1599-1636
23	IT	Mano Paul and R. Ravi	Cooperative Vector Based Reactive System for Protecting Email Against Spammers in Wireless Networks	Journal of Electrical Engineering	2018	18	54 – 61
24	IT	Lourdes Mary Amulu and Dr. R. Ravi	A Novel Fuzzy Bayesian Approach For Energy Efficient Management Of Scientific Workflows In Cloud	Journal of web engineering	2018	17	1993-2002
25	IT	T. Nallusamy and Dr. R. Ravi	Virus Propagation Model For Bluetooth Network	International Journal of Pure and Applied Mathematics	2018	7	955-964
26	IT	T. Nallusamy and Dr. R. Ravi	Node Energy Based Virus Propagation Model for Bluetooth	Journal of Engineering and Applied Sciences	2018	13	394-397

27	IT	Subbu Lakshmi TC, Gnanadurai D, Muthulakshmi I	Energy conserving texture- based adaptable compressive sensing scheme for WVSN	Concurrency Computation Practice and Experience	2019		
28	IT	Ignisha Rajathi, G , Wiselin Jiji	Chronic Liver Disease Classification using Hybrid Whale Optimization with Simulated Annealing and Ensemble Classifier	Symmetry	2019	11	33
29	MECHA NICAL	Mangalaraj, Appadurai, and Velmurugan Vellaipandian	Performance Analysis of modified solar still with forced water circulation	Thermal Science	2018	22	2955- 2964
30	MECHA NICAL	Raja, M. Ayyanar, V. Manikandan, P. Amuthakkannan, S. Rajesh, and I. Balasubramanian	Wear resistance of basalt particulate-reinforced stir- cast Al7075 metal matrix composites	Journal of the Australian Ceramic Society	2018	54	119-128
31	S&H	K.Mathevan pillai, G.selvam, J.K.Abirami	A rough set approach for missing attributes	International journal of mechanical and production engineering research and development	2018	8	437-445
32	S&H	G.Selvam, K.Mathevan pillai, S.K.Abirami	Fuzzy in multi attributes decision making	International journal of mechanical and production engineering research and development	2018	8	355-360

33	S&H	G.Selvam, K.Mathevan pillai, P.Veludas	Restrained domination in bees	International journal of mechanical and production engineering research and development	2018	8	370-374
34	S&H	K.Mathevan pillai, M.S.Mahesh, A.Santiago Stephen, G.Selvam	Some more results on non split two out degree equitable domination number	International journal of mechanical and production engineering research and development	2018	8	361-369



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VI. Publication in Scopus indexed journals

Sl. No	Department	Authors	Title of the paper	Journal Name	Year of Published	Volume	page No.
1.	MECHANICAL	Mohaideen, M. M., D. Ravindran, and I. Neethimanickam	Effect of Nanomaterials on Mechanical Properties of kevlar Composites	Digest Journal of Nanomaterials and Biostructures	2018	13	817-825
2.	MECHANICAL	Madhu, P., H. Kanagasabapathy, and I. Neethi Manickam	Conversion of cotton residues to bio-oil and chemicals through flash pyrolysis in a fluidised bed reactor	International Journal of Energy Technology and Policy	2018	14	20-33
3.	MECHANICAL	Madhu, P., T. Stephen Livingston, and I. Neethi Manickam	Fixed bed pyrolysis of lemongrass (Cymbopogon flexuosus): Bio-oil	Energy Sources	2017	39	1359-1368

			production and characterization				
4.	MECHANICAL	Madhu, P., I. Neethi Manickam, and H. Kanagasabapathy	Production and characterization of phenolic compounds by flash pyrolysis of palmyra palm	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2017	38	2161-2169
5.	MECHANICAL	Madhu, P., H. Kanagasabapathy, and I. Neethi Manickam	Flash pyrolysis of palmyra palm (<i>Borassus flabellifer</i>) using an electrically heated fluidized bed reactor	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2016	38	1699-1705
6.	MECHANICAL	Madhu, P., I. Neethi Manickam, and H. Kanagasabapathy	Production and upgradation of cotton shell pyrolytic oil for biofuel from flash pyrolysis by fluidized bed reactor	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	2016	85	457-462
7.	MECHANICAL	Arul Kumar, R., H. Kanaga Sabapathy, and I. Neethimanickam	Mechanical, physical and chemical properties of saw dust briquette	World Journal of Engineering	2015	12	347-352
8.	MECHANICAL	Hansen, R. Samuel, and K. Kalidasa Murugavel	Enhancement of integrated solar still using different new absorber configurations: An experimental approach.	Desalination	2017	422	59-67

9.	MECHANICAL	Hansen, R. Samuel, C. Surya Narayanan, and K. Kalidasa Murugavel	Performance analysis on inclined solar still with different new wick materials and wire mesh	Desalination	2015	358	1;8
10	MECHANICAL	Amuthakkannan, P., V. Manikandan, M. Ayyanar Raja, and S. Rajesh	Wear Characterization of Aluminium/Basalt Fiber Reinforced Metal Matrix Composites-A Novel Material	Tribology in Industry	2017	39	219-227
11	ECE	N. Muthukumar	Analyzing Throughput of MANET with Reduced Packet Loss	Wireless Personal Communications	2017	97	565-578
12	ECE	Rajakumar G., Andrew Roobert A	Design of Low Power VLSI Architecture of Line Coding Schemes	Wireless Personal Communications	2018	4	1573-1979
13	ECE	Mr. S. Esakki Rajavel , Dr. T. Aruna, Mr. S. Allwin Devaraj	Spectrum-aware shared protection (SASP) algorithm for cognitive radio networks	International Journal of Engineering & Technology(IJET)	2018	7	229-233
14	ECE	Dr. N. Muthukumar, P.Venkateswari, E.Jebitha Steffy	License Plate cognizance by Ocular Character Perception	International Research Journal of Engineering and Technology (IRJET)	2018	5	536-542
15	ECE	N. Muthukumar & Dr. R. Ravi	Hardware Implementation of Architecture Techniques for Fast Efficient loss less Image Compression System	Wireless Personal Communications	2016	90	1291-1315
16	ECE	Rajakumar G., Andrew Roobert A	Low Power VLSI Architecture Design of	Analog Integrated Circuits and Signal	2017	93	169–178

			BMC, BPSC and PC Schemes	Processing			
17	ECE	R. Vedha Priya Vadhana, and K. Ruba Soundar	A Novel Video Inpainting Technique Based on Digital Notch Filtering Method	Journal of Computational and Theoretical Nanoscience	2017	14	1239–1244
18	ECE	K.Lakshmi Narayanan, Dr.G.P.Ramesh	VLSI Architecture for Multi-Band Wavelet Transform based Image Compression and Image Reconstruction	Journal of Engineering and Applied Science	2017	12	6281-6285
19	ECE	K.Lakshmi Narayanan, Dr.G.P.Ramesh	VLSI Architecture for 2D-Discrete Wavelet Transform (DWT) Based Lifting Method	Indian Journal of Public Health Research and Development	2017	8	276-281
20	ECE	K. Lakshmi Narayanan S. Ravi and M. Anand	An Optimal Solution to Improve the Performance of Embedded System Based on Simple Applications	International Journal of Control Theory and Application	2016	9	201-208
21	ECE	N. Muthukumaran & Dr. R. Ravi	VLSI Implementations of Compressive Image Acquisition Using Block Based Compression Algorithm	The International Arab Journal of Information Technology	2015	12	333-339
22	ECE	G. Rajakumar, S.Karthigai lakshmi	Design and Analysis of Sequential Circuits Using Nanotechnology Based Quantum Dot Cellular Automata	Journal of Nanoelectronics and Optoelectronics2015	2015	10	601-610

23	ECE	N. Muthukumar, Dr. R. Ravi & Ruban Kingston	A Novel Scheme of CMOS VCO Design with reduce number of Transistors using 180nm CAD Tool	International Journal of Applied Engineering Research (IJAER)	2015	10	11934- 11938
24	ECE	N. Muthukumar, R. Sudhashree	Analysis of Low Complexity Memory Footprint Reduction for Delay and Area Efficient Realization of 2D FIR Filter	International Journal of Applied Engineering Research (IJAER)	2015	10	16101- 16105
25	ECE	Mydheen Jasmine, S.Allwin Devaraj	A Novel Processing Chain for Shadow Detection and Pixel Restoration in High Resolution Satellite Images Using Image Imposing	Australian Journal of Basic and Applied Sciences (AJBAS)	2015	9	216-223
26	ECE	N. Muthukumar and Dr. R. Ravi	The Performance Analysis of Fast Efficient Lossless Satellite Image Compression and Decompression for Wavelet Based Algorithm	Wireless Personal Communications	2015	81	839-859
27	ECE	N. Muthukumar and Dr. R. Ravi	Simulation Based VLSI Implementation of Fast Efficient Lossless Image Compression System Using Adjusted Binary Code & Golomb Rice Code	International Journal of World Academy of Science, Engineering and Technology	2014	8	1603- 1606

28	ECE	N. Muthukumaran and Dr. R. Ravi	Quad Tree Decomposition Based Analysis of Compressed Image Data Communication for Lossy and Lossless Using WSN	International Journal of World Academy of Science, Engineering and Technology	2014	8	1543-1549
29	ECE	G.Rajakumar, N.Ebenesarjebadurai	Design of TRFF based on Merging Method for Memory Circuits	International Journal of Applied Engineering Research	2015	10	11928-11933
30	ECE	G.Rajakumar, S. Jeslin	Ultra Low Power Design Using Average 8T Differential Sensing Sub-Threshold SRAM	International Journal of Applied Engineering Research	2015	10	11353-11359
31	ECE	G.Rajakumar, Kabilan R, Esther Leethiya Rani S	A Combined Face Recognition Approach Based on LPD and LVP	ARPJN Journal of Engineering and Applied Sciences	2015	10	2577-2581
32	ECE	G.Rajakumar, Kabilan R, Jenniefer J. Sherine R	An Improved VLSI Architecture Using Wavelet Filter Bank for Blur Image Applications	ARPJN Journal of Engineering and Applied Sciences	2015	10	2979-2983
33	ECE	G.Rajakumar, Sudalai Utchimahali	VLSI Based Color Interpolation Algorithm for Real Time Image Applications	ARPJN Journal of Engineering and Applied Sciences	2015	10	2979-2983
34	ECE	G.Rajakumar, Blesslin Jebitha.G	Transmission of Secret Image Using Visual Secret Sharing Scheme	International Journal of Applied Engineering Research	2015	10	16377-16380
35	ECE	J Friska , Kiruthika	Implementation of Evolutionary	International Journal of Applied	2015	10	1776-1780

			Algorithm based clustering protocol for homogeneous WSN	Engineering Research			
36	ECE	J Friska, Dalma Maria John	Improvement of Spectrum Efficiency by exploiting Network Computation via cognitive Radio Sensor Networks	International Journal of Applied engineering Research	2015	10	1787-1791
37	ECE	E.Francy Irudaya Rani and Jincy George	Interference Detection And Mitigation Of Overcrowded Cells in Multiple Networking Environment	International Journal of Applied Engineering Research	2015	10	1812-1816
38	ECE	Christo Ananth, M.Danya Priyadharshini	A Secure Hash Message Authentication Code to avoid Certificate Revocation list Checking in Vehicular Adhoc networks	International Journal of Applied Engineering Research (IJAER)	2015	10	1250-1254
39	ECE	L. R. Priya, K. Ruba Soundar and S. Kamala Gomathy	Radio Resource Optimization In Cooperative Cellular Network With Network Coding At Relay Stations	ARNP Journal of Engineering and Applied Sciences	2015	10	1819-6608
40	ECE	S. Kamala Gomathy, L.R. Priya, Dr. K. Rouba Soundar	Performance Analysis of Signal Cancellation Method for Joint Reduction of PAPR And Side Lobe Suppression In	Australian Journal of Basic and Applied Sciences	2015	9	235-243

			Cooperative Network Systems				
41	ECE	L. R. Priya, K. Ruba Soundar and S. Kamala Gomathy , R.Vedhapriya Vadhana	Sub Optimal Signal Cancellation Method for Joint reduction of PAPR and Side lobe suppression in NC OFDM based Cognitive Radio System	International Journal of Applied Engineering Research	2015	10	1370-1375
42	ECE	L.R.Priya, K.Jenish Varshini, R.Vedhapriya Vadhana	Centralized and Distributed Heuristics Based Rounding Problem In Heterogeneous Wireless Sensor Networks	International Journal of Applied Engineering Research	2015	10	1733-1738
43	IT	Paul, P. M. and Ravi, R	A Collaborative Reputation-Based Vector Space Model for Email Spam Filtering	Journal of Computational and Theoretical Nanoscience	2018	15	474-479.
44	IT	Madhivhanan .M and Ravi .R	VLSI Implementation Multimodal Biometric Recognition System Using Improved Pulse Coupled Neural Network for Digital Nano-CMOS Technology	Journal of Computational and Theoretical Nanoscience	2017	14	5657-5662

45	IT	S. Raja Ratna and R. Ravi	Scrutiny of unruly and abuse in wireless networks to mitigate physical layer threats using discriminate-based misbehavior prevention	Cluster Computing	2016	19	87-97
46	IT	Yesubai Rubavathi Charles and Dr. R. Ravi	A novel local mesh color texture pattern for image retrieval system	International Journal of Electronics and Communications (AEÜ)	2016	70	225-233
47	IT	S. Raja Ratna and R. Ravi	An intelligent approach based on neuro-fuzzy detachment scheme for preventing jamming attack in wireless networks	Journal of Intelligent and Fuzzy Logic	2015	28	801-820
48	IT	S. Raja Ratna and R. Ravi	Securing jammed network using reliability behavior value through neuro-fuzzy analysis	Sadhana Academic Proceedings in Engineering Science	2015	40	1139-1153
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