

## EASWARI ENGINEERING COLLEGE

Published articles with JCR impact factor/SCOPUS for the Year 2017-18

S.No	Article Details	JCR impact Factor	JCR Rank	AUTHOR	DEPT
ECE					
1	Cognitive Radio and its impact of Throughput with channel optimization technique Suseela, B, Sivakumar, D Journal of computational and theoretical nano science, 14 (1) 430-434 January 2017	SCOPUS		Dr D. Sivakumar	ECE
2	Congestion Control Through Policy Based Scheduling Algorithm Mohanarangan, S; Sivakumar, D Journal of computational and theoretical nano science, 14(9) 4315-4319(5) September 2017	SCOPUS		Dr D. Sivakumar	ECE
3	An Efficient PTS Scheme with Integrated PSO-GA Algorithm for PAPR Reduction in MIMO-OFDM V. Murugan and D. Sivakumar Journal of Advanced Research in Dynamical & Control Systems, 11, 775-784 2017	0.708	9475	Dr D. Sivakumar	ECE
4	Monitoring and Analysis of PQ Parameters After First Order Derivative Function to Suppress the Background Instability in Harmonic Signal Srividhya, J. P, Sivakumar, D Journal of Computational and Theoretical Nanoscience, Volume 14, Number 7, July 2017, pp. 3220-3226(7) American Scientific Publishers, doi.org/10.1166/jctn.2017.6619	SCOPUS		Mrs Srividhya, J. P, Dr Sivakumar, D	ECE
5	Automatic Anisotropic Diffusion Filtering and Graph-search Segmentation of Macular Spectral-domain	0.308	11341	Mrs A Usha	ECE

S.No	Article Details	JCR impact Factor	JCR Rank	AUTHOR	DEPT
	Optical Coherence Tomographic (SD-OCT) Images Current Medical Imaging Review A. Usha, Nijisha Shaji, M. Sasikala. 13 , 2017				
6	Pseudo Pipelined COordinate Rotation DIGital Computer Discrete Cosine Transform Architecture for Image Compression Jessintha, D , Kannan, M Journal of Computational and Theoretical Nanoscience, 14(8) 3758-3763 August 2017	SCOPUS 28136 Journal of Computational and Theoretical Nanoscience 15461955		Mrs Jessintha, D	ECE
7	A New Hybridized Speech Enhancement Technique for Stationary and Non-Stationary Noisy Environments Selvi, R. Senthamizh; Suresh, G. R; Raja, S. Kanaga Suba Journal of Computational and Theoretical Nanoscience, 14(12) 5934-5941(8) Dec. 2017	SCOPUS 28136 Journal of Computational and Theoretical Nanoscience 15461955		Mrs R. Senthamizh Selvi	ECE
MECHANICAL					
8	Effect of process parameters on physical measurements of AISI316 stainless steel coating on EN24in friction surfacing George Sahaya Nixon R, Mohanty B S and Bhaskar G Materials and Manufacturing Processes 33(7) 778-785 2017	2.274	3703	Dr MOHANTY B S	MECH
9	Characterization of Friction-Surfaced SS316 Overlaid on Medium-Carbon Steel R. George Sahaya Nixon, B. S. Mohanty Silicon, Springer	0.829	8843	Dr MOHANTY B S	MECH
10	Enhancement in free cooling potential through PCM	4.520	960	Dr ANTONY AROUL RAJ.V	MECH

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	based storage system integrated with direct evaporative cooling (DEC) unit Karthik Panchabikesan, Antony Aroul Raj Vincent, Yulong Ding, Velraj Ramalingam 144, (2018), 443-455				
11	Effect of direct evaporative cooling during the charging process of phase change material based storage system for building free cooling application—A real time experimental investigation, VR Karthik Panchabikesan, , Antony Aroul Raj, Sujatha Abaranji, Pandiyarajan, Energy and buildings 152 (1), 250-263 2017	4.067	1198	Dr ANTONY AROUL RAJ.V	MECH
12	Structural analysis and mechanical properties of lignite fly-ash-added jute–epoxy polymer matrix composite G.K. Sathishkumar, G. Rajkumar, K. Srinivasan, M.J. Umapathy Journal of Reinforced Plastics and Composites 37(2) 90 – 104 2017	1.086	7680	Mr G.K. Sathishkumar	MECH
13	Computational Analysis of Combustion, Performance And Emission Characteristics On Di Diesel Engine With Variable Intake Geometries K. Raj Kiran, S.Prasanna Raj Yadav, C. G. Saravanan, E. James Gunasekaran ,Ramesh Perumal Journal of Advanced Research in Dynamical and Control Systems, 14, 465-476, 2017	0.708	9475	Dr S.Prasanna Raj Yadav	MECH
14	Design And Analysis Of Sports Bike Wheel Spokes Joel C, Elumalai B, Anand S, Padmanabhan S Journal of Advanced Research in Dynamical and Control Systems, 14, 477-485, 2017	0.708	9475	Joel C, Elumalai B, Anand S, Padmanabhan S	MECH
15	Mechanical Characterization Of GFRP/CFRP/Natural	0.708	9475	Dr Padmanabhan.S	MECH

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	Fiber Laminated In Epoxy Resin Composite Sivasaravanan.S, Padmanabhan.S, Sai Akash, Shankara Narayanan H Journal of Advanced Research in Dynamical and Control Systems, 14, 497-504, 2017				
16	Fabrication of Porous Composite Material For Crash Energy Absorption Sivasaravanan.S, Padmanabhan.S, Sathish Kumar K ,Jishnuvardhan Reddy Journal of Advanced Research in Dynamical and Control Systems, 14, 486-496, 2017	0.708	9475	Dr Padmanabhan.S	MECH
17	Studies on Friction Stir Welding Process Parameters Of Dissimilar Alloys K.Giridharan, V.Jaiganesh, B.YokeshKumar Journal of Advanced Research in Dynamical and Control Systems, 18, 1927-1936, 2017	0.708	9475	Dr K.Giridharan	MECH
	CSE				
18	Fault tolerant topology control with mobility prediction in MANETs for clinical care data transmission D Manohari, GS Anandha Mala, KM Anand Kumar Biomedical Research, Special Section: Artificial Intelligent Techniques for Bio-Medical Signal Processing, S36-S43, 2017	0.219	11670	Dr GS Anandha Mala, Dr KM Anand Kumar	CSE
19	Actor-Oriented approach for Fault Tolerance in Distributed Ecommerce systems Accepted for publication in Cluster Computing Cluster Computing, GS Anandha Mala	2.040	4281	Dr GS Anandha Mala	CSE

S.No	Article Details	JCR impact Factor	JCR Rank	AUTHOR	DEPT
20	M.Anbu, G.S.Anandha Mala, "Feature selection using firefly algorithm in software defect prediction", Cluster Computing, The Journal of Networks, Software Tools and Applications, ISSN 1386-7857 (Print), 1573-7543 (online) October 2017, Publisher: Springer US, DOI 10.1007/s10586-017-1235-3,	2.040	4281	Dr GS Anandha Mala	CSE
IT					
21	An Efficient Coronary Disease Diagnosis System Using Dual-Phase Multi Objective Optimization and Embedded Feature Selection R. Priyatharshini, S. Chitrakala International Journal of Intelligent Information Technologies – IJIIT 3, 15-36, September 2017	4500151542 International Journal of Intelligent Information Technologies 15483657		Dr R. Priyatharshini	IT
22	R.Priyatharshini,S.Chitrakala, "A Self Learning Fuzzy Rule Based System for Risk Level Assessment of Coronary Heart Disease" IETE Journal of Research,2018	0.909	8484	Dr R.Priyatharshini	IT
23	An Active Contour Model Based Multi Objective Optimisation Technique for Coronary Calcium Scoring R. Priyatharshini, S. Chitrakala Journal of Medical Imaging and Health Informatics	0.621	9926	Dr R.Priyatharshini	IT
24	Quantitative Growth Analysis of Pulp Necrotic Tooth (Post-Op) Using Modified Region Growing Active Contour Model Leninisha, S, Krithika Gunasekar, Aishwarya Natarajan, Vani Kaliaperumal Journal of IET Image Processing 11(11) 1015-1019 2017	1.044	7873	Dr Leninisha, S	IT

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25	IOT based Automation of Fish Farming S.Usha Kiruthika, S.Kanaga Suba Raja, R.Jaichandran Journal of Advanced Research in Dynamical and Control Systems, 9(1), 50-57	0.708	9475	Dr S.Kanaga Suba Raja	IT
26	Speech Enhancement Using Harmonic-Model with Multichannel Wiener Filter' R. SenthamizhSelvi, G.R. Suresh,S. Kanaga Suba Raja Journal of Advanced Research in Dynamical and Control, 9(2) 48-54 2017	0.708	9475	Dr S.Kanaga Suba Raja	IT
27	A New Hybridized Speech Enhancement Technique for Stationary and Non-Stationary Noisy Environments R. SenthamizhSelvi, G.R. Suresh,S. Kanaga Suba Raja Journal of Computational and Theoretical Nanoscience, 14(12), 5934–5941,2017	28136 Journal of Computational and Theoretical Nanoscience 15461955		Dr S.Kanaga Suba Raja	IT
28	Conversion of Non Audible Murmur to Normal Speech Based on Full-Rank Gaussian Mixture Model Kumar, T. Rajesh; Suresh, G. R.; Raja, S. Kanaga Suba Raja, Journal of Computational and Theoretical Nanoscience, 14(12), 01-06,2018	28136 Journal of Computational and Theoretical Nanoscience 15461955		Dr S.Kanaga Suba Raja	IT
29	Named Entity Recognition for Automated Test Case Generation G S Mahalakshmi ,V Vani, J Betina Atony International Arab Journal of Information Technology, 15(1):112-120 January 2018	0.724	9403	Dr V Vani	IT
30	Test Lifecycle in BDD G S Mahalakshmi ,V Vani	12342 International		Dr V Vani	IT

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	International Journal of Control Theory and Applications, 10(8), 613-618, 2017	Journal of Control 00207179			
31	Integration of Groundwater Potential and Irrigation Water Quality at Micro Level in Tannery Polluted Areas C. G. Hemamalini, Krishnaveni Muthiah Bulletin of Pure and Applied Sciences - Section F Geological Sciences, 36(1):1 · January 2017	25117 Bulletin of Pure and Applied Sciences - Section F Geological Sciences 09704639		Dr C. G. Hemamalini,	
PHYSICS					
32	Structural analysis and mechanical properties of lignite fly-ash-added jute–epoxy polymer matrix composite G.K. Sathishkumar, G. Rajkumar, K. Srinivasan, M.J. Umapathy Journal of Reinforced Plastics and Composites 37(2) 90 – 104 2017	1.086	7680	Dr G Raj Kumar	PHYSICS
CHEMISTRY					
33	Hydrophobic structural modification of chitosan and its impact on nanoparticle synthesis-A physicochemical study B.Jotimani, S.Sureshkumar, B.Venkatachalapathy Carbohydrate Polymer, 173, 714-720, 2017	4.811	841	Dr B.Venkatachalapathy	CHEMISTRY
34	Synthesis and Characterization of Surface Modified Fluorescent and Biocompatible ZnS Nanoparticles with a Hydrophobic Chitosan Derivative B. Jothimani S. Sureshkumar B. Venkatachalapathy	1.461	6092	Dr B.Venkatachalapathy	CHEMISTRY

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	Journal of Fluorescence, 27(4), 1277–1284 June 2017				
35	Synthesis of hexagonal ZnO-PQ7 nano disks conjugated with folic acid to image MCF -7 cancer cells Sureshkumar, S, Jothimani, B, Sridhar, TM & Venkatachalapathy, B. Journal of Fluorescence, 27 (1) 21-29, 2017	1.461	6092	Dr B.Venkatachalapathy	CHEMISTRY
36	Electrochemical, mechanical and osseointegration evaluation of NBPC coated 316L SS by EPD Manomani, R, Vinodhini, SP, Venkatachalapathy, B & Sridhar, TM Journal of Surface Engineering, 1-9 March 2017	1.347	6523	Dr B.Venkatachalapathy	CHEMISTRY
37	Load-bearing metallic implants: electrochemical characterisation of corrosion phenomena Vinodhini, D, Venkatachalapathy, B., Kamatchi Mudlai. U., Ravichandran, K Materials Technology: Advanced Performance Materials, 705-718 August 2016	1.155	7376	Dr B.Venkatachalapathy	CHEMISTRY
38	Bioinert nano yttria stabilized zirconia coatings on 316L SS for dental applications S. Mohandoss S. Sureshkumar V. Balasubramani, B. Venkatachalapathy, T.M. Sridhar Journal of Ceramic Processing Research 18(4) 313-319 (2017)	22026 Journal of Ceramic Processing Research 12299162		Dr B. Venkatachalapathy	CHEMISTRY
Maths					
39	Dissecting power of Matrix Languages J.Julie , J.Baskar Babujee, V.Masilamani Lecture Notes in Computer Science 10398, 98-105 , August 2017	SID 25674 ISSN 09752854	SCOPUS	Mrs J.Julie	MATHS



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40	A Study on Binary CFG in light of Generalized Parikh vectors J.Julie, J.Baskar Babujee International Journal of Pure and Applied Mathematics, 114(6 ), 249-254, Feb 2017	SID 19700182600 ISSN 13118080	SCOPUS	Mrs J.Julie	MATHS
41	On edge vertex prime labelling R.Jagadesh, J.Baskar Babujee International Journal of Pure and Applied Mathematics, 114(6), 209-218, 2017	SID 19700182600 ISSN 13118080	SCOPUS	Mrs R.Jagadesh	MATHS
	MBA				
42	Upshot of Occupational stress on work life balance of employee working in Information technology in Chennai, R BANUREKA Indian Journal of Management, ISSN 0975-2854, Issue-7 Volume 10, July 2017, Pg 50.	SID 2110417501 ISSN 09752854	SCOPUS	Mrs R BANUREKA	MBA
	EIE				
43	Gunaselvi Manohar & Surya prakasa Rao Kavuri, "An Evolutionary Path For Control of Air Pollution From Road Transport", Environmental Engineering and Management Journal, vol.16, No.1, 2017, pp.15-24.	SCOPUS		Dr.Gunaselvi Manohar	EIE
44	Dr.S.Sathiyamurthy, MECHANICAL BEHAVIOUR OF DISSIMILAR ALUMINUM MATERIALS JOINTS USING FSW WITH VARIOUS TOOL PROFILE, ARPN Journal of Engineering and Applied Sciences, ISSN. NO: 1819-6608, Vol.13, issue 2, 2018.	SCOPUS		Dr.S.Sathiyamurthy	AUTO