



# MOHAMED SATHAK A.J COLLEGE OF ENGINEERING

(Approved by All India Council for Technical Education,  
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Siruseri IT Park, Egattur, Chennai - 603 103

## Criterion 3: - Research, Innovations and Extension

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years (10)							
Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (DOI) number
							Link to article/paper/abstract of the article
	<b>2020-2021</b>						
1	Total number of ways of transmission from a higher level to lower level using truth table and combinatorics	S.Sudha	Maths	Materials Today: Proceedings	2020-2021	2214-7853	<a href="https://www.sciencegate.app/app/document/download/10.1016/j.matpr.2020.12.459">https://www.sciencegate.app/app/document/download/10.1016/j.matpr.2020.12.459</a>
2	Analytical investigation of MR damper for vibration control: A review	C. Daniel	Civil	Journal of Applied Engineering Sciences	2020-2021	2247 - 3769	<a href="https://doi.org/10.2478/jaes-2021-0007">https://doi.org/10.2478/jaes-2021-0007</a>
3	Analytical approach to estimate equivalent strut width for wire meshed masonry infilled RC frame under dynamic loading	C. Daniel	Civil	Civil Engineering and Architecture	2020-2021	2332-1091	<a href="http://www.hrpub.org/download/20210630/CEA21-14823722.pdf">http://www.hrpub.org/download/20210630/CEA21-14823722.pdf</a>
4	Axial compression behavior analysis of insulated concrete form (ICF) wall panel with fiber cement board	C. Daniel	Civil	Material science forum	2020-2021	1662-9752	<a href="https://www.scientific.net/MSF.1048.387">https://www.scientific.net/MSF.1048.387</a>
5	Experimental Study on Retrofitted RC T-BEAM Using FRP	Mrs. S. Hemavathi	Civil	International Journal of Innovative Science and Research Technology	2020-2021	2456 - 2165	<a href="https://www.ijisrt.com/assets/upload/files/IJISRT20AUG476.pdf">https://www.ijisrt.com/assets/upload/files/IJISRT20AUG476.pdf</a>
6	Experimental Study on Retrofitted RC T-BEAM Using FRP	Mrs. B. N. Brinila Bright	Civil	International Journal of Innovative Science and Research Technology	2020-2021	2456 - 2165	<a href="https://www.ijisrt.com/assets/upload/files/IJISRT20AUG476.pdf">https://www.ijisrt.com/assets/upload/files/IJISRT20AUG476.pdf</a>
7	Experimental Study on Retrofitted RC T-BEAM Using FRP	Mr. M. B. Shanmuharajan	Civil	International Journal of Innovative Science and Research Technology	2020-2021	2456 - 2165	<a href="https://www.ijisrt.com/assets/upload/files/IJISRT20AUG476.pdf">https://www.ijisrt.com/assets/upload/files/IJISRT20AUG476.pdf</a>
8	Social Network Analysis for Image Origin Classification	Nirmala J	CSE	Turkish Journal of Computer and Mathematics Education	2020-2021	1309-4653	<a href="https://turcomat.org/index.php/turkbilmat/article/view/2665/2276">https://turcomat.org/index.php/turkbilmat/article/view/2665/2276</a>



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9	Secured ICA Technique on Bimodal Biometric Images Using Private Watermarking with DCT	Muthukumar B	CSE	Intelligent Systems and Computer Technology	2020-2021	978-1-64368-103-0	<a href="https://ebooks.iospress.nl/volumearticle/55818">https://ebooks.iospress.nl/volumearticle/55818</a>
10	Quality of Security Improvement in WSNs by Integrating Ant Colony Optimization	Chintala Venkatesh	EEE	Solid State Technology	2020-2021	0038-111X	<a href="https://solidstatetechnology.us/index.php/JSSST/article/view/7336">https://solidstatetechnology.us/index.php/JSSST/article/view/7336</a>
11	Efficient Band Offset Estimation for HEVC and its VLSI Implementation	Srinivasan K S	EEE	Springer series Advances in Intelligent Systems and Computing	2020-2021	2194 - 5357	<a href="https://link.springer.com/chapter/10.1007/978-981-15-7234-0_77">https://link.springer.com/chapter/10.1007/978-981-15-7234-0_77</a>
12	Efficient Band Offset Estimation for HEVC and its VLSI Implementation	Manju I	EEE	Springer series Advances in Intelligent Systems and Computing	2020-2021	2194 - 5357	<a href="https://link.springer.com/chapter/10.1007/978-981-15-7234-0_78">https://link.springer.com/chapter/10.1007/978-981-15-7234-0_78</a>
13	Effect of 4-Aminobutyltriethoxysilane modified Al <sub>2</sub> O <sub>3</sub> nanoparticles on the dielectric properties of epoxy nanocomposites for high voltage application	Nisha P	EEE	Silicon	2020-2021	1876-9918	<a href="https://www.researchgate.net/publication/343219219_Effect_of_4-">https://www.researchgate.net/publication/343219219_Effect_of_4-</a>
14	A Decision Based Unsymmetrical trimmed Modified Winsorized Geometric Mean for the Removal of High Density Salt and Pepper Noise in Images	Srinivasan K S	EEE	European Journal of Molecular & Clinical Medicine	2020-2021	2515-8260	<a href="https://ejmcm.com/pdf_5800_21fa5f055262a3ec67ef3e8d5ae0d28e.html">https://ejmcm.com/pdf_5800_21fa5f055262a3ec67ef3e8d5ae0d28e.html</a>
15	Garbage Collection Robot and Monitoring System Using Wireless Communication	Srinivasan K S	EEE	European Journal of Molecular & Clinical Medicine	2020-2021	2515-8260	<a href="https://ejmcm.com/pdf_5798_460ef1dc8e7c7ca74f2efa73182944a5.html">https://ejmcm.com/pdf_5798_460ef1dc8e7c7ca74f2efa73182944a5.html</a>
16	A Decision based Multiple Threshold based Algorithm for elimination of Impulsive Noises and Artifacts in Images	Srinivasan K S	EEE	Turkish Journal of Physiotherapy and Rehabilitation	2020-2021	2651-4451	<a href="https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-24.pdf">https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-24.pdf</a>
17	Power Factor Improved using CSC Converter in PMBLDC Motor	Radhika S	EEE	International Journal of Trend in Scientific Research and Development (IJTSRD)	2020-2021	2456-6470	<a href="https://www.ijtsrd.com/engineering/electrical-engineering/30863/power-factor-improved-using-csc-converter-in-pmbldc-motor/radhika-s">https://www.ijtsrd.com/engineering/electrical-engineering/30863/power-factor-improved-using-csc-converter-in-pmbldc-motor/radhika-s</a>



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18	Power Factor Improved using CSC Converter in PMBLDC Motor	Nisha P	EEE	International Journal of Trend in Scientific Research and Development (IJTSRD)	2020-2021	2456-6470	<a href="https://www.ijtsrd.com/engineering/electrical-engineering/30863/power-factor-improved-using-csc-converter-in-pmbldc-motor/radhika-s">https://www.ijtsrd.com/engineering/electrical-engineering/30863/power-factor-improved-using-csc-converter-in-pmbldc-motor/radhika-s</a>
19	Health Impacts of Micronutrient Deficiencies on Humans—A Review	Srinivasan K S	EEE	International Journal of Food and Nutritional Sciences	2020-2021	2319-1775	<a href="https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf">https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf</a>
20	Health Impacts of Micronutrient Deficiencies on Humans—A Review	Manju I	EEE	International Journal of Food and Nutritional Sciences	2020-2021	2319-1775	<a href="https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf">https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf</a>
21	Health Impacts of Micronutrient Deficiencies on Humans—A Review	Vairaperumal K	EEE	International Journal of Food and Nutritional Sciences	2020-2021	2319-1775	<a href="https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf">https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf</a>
22	Health Impacts of Micronutrient Deficiencies on Humans—A Review	Mohamed Malik S	ECE	International Journal of Food and Nutritional Sciences	2020-2021	2319-1775	<a href="https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf">https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf</a>
23	Health Impacts of Micronutrient Deficiencies on Humans—A Review	S.Naveen Kumar	ECE	International Journal of Food and Nutritional Sciences	2020-2021	2319-1775	<a href="https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf">https://ijfans.org/wp-content/uploads/2021/12/1_IJFANS_13_21_p.1-12.pdf</a>
24	Automatic Detection of Invasive and Noninvasive Lobules of the Breast in Mammogram Images	Dr.Dhiravidachelvi	ECE	Turkish Journal of Physiotherapy and Rehabilitation	2020-2021	2651-4451	<a href="https://www.turkjphyiotherrehabil.org/pub/pdf/321/32-1-244.pdf">https://www.turkjphyiotherrehabil.org/pub/pdf/321/32-1-244.pdf</a>
25	Automatic Detection of Invasive and Noninvasive Lobules of the Breast in Mammogram Images	M.Kamarajan	ECE	Turkish Journal of Physiotherapy and Rehabilitation	2020-2021	2651-4451	<a href="https://www.turkjphyiotherrehabil.org/pub/pdf/321/32-1-244.pdf">https://www.turkjphyiotherrehabil.org/pub/pdf/321/32-1-244.pdf</a>
26	Automatic Detection of Invasive and Noninvasive Lobules of the Breast in Mammogram Images	E.Jayanthi	ECE	Turkish Journal of Physiotherapy and Rehabilitation	2020-2021	2651-4451	<a href="https://www.turkjphyiotherrehabil.org/pub/pdf/321/32-1-244.pdf">https://www.turkjphyiotherrehabil.org/pub/pdf/321/32-1-244.pdf</a>



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27	Automatic Detection of Invasive and Noninvasive Lobules of the Breast in Mammogram Images	IS.Suganthi	ECE	Turkish Journal of Physiotherapy and Rehabilitation	2020-2021	2651-4451	<a href="https://www.turkjphysiotherrehabil.org/pub/pdf/321/32-1-244.pdf">https://www.turkjphysiotherrehabil.org/pub/pdf/321/32-1-244.pdf</a>
28	Automatic Detection of Invasive and Noninvasive Lobules of the Breast in Mammogram Images	S.Priyadharsini	ECE	Turkish Journal of Physiotherapy and Rehabilitation	2020-2021	2651-4451	<a href="https://www.turkjphysiotherrehabil.org/pub/pdf/321/32-1-244.pdf">https://www.turkjphysiotherrehabil.org/pub/pdf/321/32-1-244.pdf</a>
29	Automatic Detection of Invasive and Noninvasive Lobules of the Breast in Mammogram Images	S.Sonadevi	ECE	Turkish Journal of Physiotherapy and Rehabilitation	2020-2021	2651-4451	<a href="https://www.turkjphysiotherrehabil.org/pub/pdf/321/32-1-244.pdf">https://www.turkjphysiotherrehabil.org/pub/pdf/321/32-1-244.pdf</a>
30	A Cyber-Safety IoT-Enabled Wearable Microstrip Antenna for X-Band Applications	Mr.M.Kamaraajan	ECE	Mobile Computing and Sustainable Informatics	2020-2021	978-981-16-1866-6_2	<a href="https://link.springer.com/chapter/10.1007%2F978-981-16-1866-6_2">https://link.springer.com/chapter/10.1007%2F978-981-16-1866-6_2</a>
31	Performance Analysis of MIMO-OFDM System for Under water Communication	Mr.M.Kamaraajan	ECE	Journal of Interdisciplinary cycle Research, Volume 7, Issue 9, Page 1546-1550	2020-2021	0022-1945	<a href="http://www.jicrjournal.com/VOLUME-XII-ISSUE-IX-SEPTEMBER-2020">http://www.jicrjournal.com/VOLUME-XII-ISSUE-IX-SEPTEMBER-2020</a>
32	Smart LPG Level Monitoring, Booking and Leakage Detection System using IOT	Mr.M.Kamaraajan	ECE	The international Journal of analytical and experimental modal analysis, Volume 07, Issue 09, Page 1089-1091	2020-2021	0886-9367	<a href="https://drive.google.com/file/d/1k9I1UkPJjweQQULZ-40dk4GE1W4UaD3s/view">https://drive.google.com/file/d/1k9I1UkPJjweQQULZ-40dk4GE1W4UaD3s/view</a>
33	Calotropis Gigantea Fiber Epoxy Composites: Influence of Fiber Orientation On Mechanical Properties and Thermal Behavior	Ramesh G	Mechanical Engineering	Journal of Natural Fibers	2020-2021	1544-0478	<a href="https://www.tandfonline.com/doi/full/10.1080/15440478.2020.1848718">https://www.tandfonline.com/doi/full/10.1080/15440478.2020.1848718</a>



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34	Multi response optimization of friction stir welding process parameter on dissimilar Magnesium Alloys aAZ 31 and ZM 21 using Taguchi-Based Grey relation Analysis	S Prasath	Mechanical Engineering	La Metallurgia Italiana	2020-2021	0026-0843	<a href="http://www.aimnet.it/la_metallurgia_italiana/2020/lug-ago/prasath.pdf">http://www.aimnet.it/la_metallurgia_italiana/2020/lug-ago/prasath.pdf</a>
35	Study on influence of fiber length and fiber weight proportion in mechanical behavior of calotropis gigantea fiber-epoxy composites	Ramesh G	Mechanical Engineering	Polymer composites	2020-2021	3495-4577	<a href="https://onlinelibrary.wiley.com/doi/10.1002/pc.25761">https://onlinelibrary.wiley.com/doi/10.1002/pc.25761</a>
36	Sliding wear behavior of AlTiN PVD Coating On Tittanium alloy for Orthopedic Application	Saravanan M P	Mechanical Engineering	International Journal of Mechanical and Production Engineering Research and Development	2020-2021	2249-8001	<a href="http://www.tjprc.org/publishpapers/2-67-1596436268-IJMPERDJUN2020589.pdf">http://www.tjprc.org/publishpapers/2-67-1596436268-IJMPERDJUN2020589.pdf</a>
37	Modeling and simulation of an Automotive Drivetrain	B. Janarthanan	Mechanical Engineering	International Journal of Scientific Research in Engineering and Management	2021-2022	2582-3930	<a href="http://ijsrem.com/volume-05-issue-06-june-2021/">http://ijsrem.com/volume-05-issue-06-june-2021/</a>
38	Characteristic Investigation of Macro Fiber Composite Structure Using FE Model	M.P. Saravanan	Mechanical Engineering	Archives of Metallurgy And Materials	2021-2022	1733-3490	DOI: <a href="https://doi.org/10.24425/amm.2021.136425">10.24425/amm.2021.136425</a>
39	Multi-objective approach for protection of micro grids using surrogate assisted particle swarm optimization (SAPSO)	D Weslin	IT	Applied Nanoscience	2020-2021	2190-5517	<a href="https://link.springer.com/article/10.1007/s13204-021-02044-7">https://link.springer.com/article/10.1007/s13204-021-02044-7</a>
40	Unsupervised End-to-End Brain Tumor Magnetic Resonance Image Registration Using RBCNN: Rigid Transformation, B-Spline Transformation and Convolutional Neural Network	Mr.S.Senthil Pandi	IT	Current medical imaging	2020-2021	1573-4056	<a href="https://www.eurekaselect.com/article/117145">https://www.eurekaselect.com/article/117145</a>
41	Prehistoric Stone Image Tamil Character Recognition using Optimized Deep Neural Network using Zernike Moments and Simplex Method	Mr.S.Senthil Pandi	IT	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	2020-2021	1309-4653	<a href="https://turcomat.org/index.php/turkbilmat/article/view/6883">https://turcomat.org/index.php/turkbilmat/article/view/6883</a>



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42	A Dynamic and Unique Approach for Energy Consumption Prediction In High Raised Buildings	Mr.S.Senthil Pandi	IT	Turkish Online Journal of Qualitative Inquiry	2020-2021	1309-6591	<a href="https://www.tojqi.net/index.php/journal/article/view/976">https://www.tojqi.net/index.php/journal/article/view/976</a>
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