



# MOHAMED SATHAK A.J COLLEGE OF ENGINEERING

(Approved by All India Council for Technical Education,  
New Delhi and affiliated to Anna University, Chennai)  
Siruseri IT Park, Egattur, Chennai - 603 103

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>2019-2020</b>							
1	Eradication of Manual Process in Universities With Robotic Process Automation Technology	Zulaiha Maryam	Maths	The International journal of analytical and experimental modal analysis	2019-2020	0886-9367	<a href="https://app.box.com/s/28135rs1j57lv99glfgz6haccswl1vio">https://app.box.com/s/28135rs1j57lv99glfgz6haccswl1vio</a>
2	Eradication of Manual Process in Universities With Robotic Process Automation Technology	Mohideen Abdul Kadher	CSE	The International journal of analytical and experimental modal analysis	2019-2020	0886-9367	<a href="https://app.box.com/s/28135rs1j57lv99glfgz6haccswl1vio">https://app.box.com/s/28135rs1j57lv99glfgz6haccswl1vio</a>
3	Eradication of Manual Process in Universities With Robotic Process Automation Technology	Rahamathullah	CSE	The International journal of analytical and experimental modal analysis	2019-2020	0886-9367	<a href="https://app.box.com/s/28135rs1j57lv99glfgz6haccswl1vio">https://app.box.com/s/28135rs1j57lv99glfgz6haccswl1vio</a>
4	Highly efficient near-UV-excitable Ca <sub>2</sub> YHf <sub>2</sub> Al <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> ,Tb <sup>3+</sup> green-emitting garnet phosphors with potential application in high color rendering warm-white LEDs	Balaji Devakumar	Physics	Journal of Material Chemistry C	2019-2020	2050-7534	<a href="https://pubs.rsc.org/en/content/articlelanding/2020/tc/d0tc00130a">https://pubs.rsc.org/en/content/articlelanding/2020/tc/d0tc00130a</a>
5	Realizing bright blue-red color-tunable emissions from Gd <sub>2</sub> GeO <sub>5</sub> :Bi <sup>3+</sup> ,Eu <sup>3+</sup> phosphors through energy transfer toward light-emitting diodes	Balaji Devakumar	Physics	Journal of Luminescence	2019-2020	0022-2313	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022231319319386">https://www.sciencedirect.com/science/article/abs/pii/S0022231319319386</a>
6	Synthesis and photoluminescence properties of a new blue-light-excitable red phosphor Ca <sub>2</sub> LaTaO <sub>6</sub> :Eu <sup>3+</sup> for white LEDs	Balaji Devakumar	Physics	Journal of Luminescence	2019-2020	0022-2313	<a href="https://www.sciencedirect.com/journal/journal-of-luminescence">https://www.sciencedirect.com/journal/journal-of-luminescence</a>



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7	Preparation, crystal structure, and photoluminescence properties of high-brightness red-emitting Ca <sub>2</sub> LuNbO <sub>6</sub> :Eu <sup>3+</sup> double-perovskite phosphors for high-CRI warm-white LEDs	Balaji Devakumar	Physics	Journal of Luminescence	2019-2020	0022-2313	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022231320305731">https://www.sciencedirect.com/science/article/abs/pii/S0022231320305731</a>
8	Facile low-temperature solid-state synthesis of efficient blue-emitting Cs <sub>3</sub> Cu <sub>2</sub> I <sub>5</sub> powder phosphors for solid-state lighting	Balaji Devakumar	Physics	Materials Today Chemistry	2019 - 2020	2468-5194	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2468519420300483">https://www.sciencedirect.com/science/article/abs/pii/S2468519420300483</a>
9	Eu <sup>3+</sup> -activated Ca <sub>2</sub> YTaO <sub>6</sub> double-perovskite compound: A novel highly efficient redemitting phosphor for near-UV-excited warm w-LEDs	Balaji Devakumar	Physics	Journal of Luminescence	2019 - 2020	0022-2313	<a href="https://www.semantic scholar.org/paper/Eu3%2B-activated-Ca2YTao6-double-perovskite-compound%3A-Huang-Wang/a5654f381eb31e13736b0088a96af86e0fc60b04">https://www.semantic scholar.org/paper/Eu3%2B-activated-Ca2YTao6-double-perovskite-compound%3A-Huang-Wang/a5654f381eb31e13736b0088a96af86e0fc60b04</a>
10	Novel efficient deep-red-emitting Ca <sub>2</sub> LuTaO <sub>6</sub> :Mn <sup>4+</sup> double-perovskite	Balaji Devakumar	Physics	Journal of Luminescence	2019-2020	0022-2313	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022231320301307">https://www.sciencedirect.com/science/article/abs/pii/S0022231320301307</a>
11	Comparative and optimization studies of PE and PVP binder with different graphene electrodes for the reduction of hardness	Mr. B. Rizhanur Rahman	Civil	Elsevier: Materials Today: Proceedings	2019-2020	2214-7853	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320340074">https://www.sciencedirect.com/science/article/pii/S2214785320340074</a>
12	Experimental Study on Fly Ash Based Cellular Light Weight Concrete Using M-Sand	Ms. S. Hemavathi	Civil	International Research Journal of Engineering and Technology (IRJET)	2019-2020	2395 - 0072	<a href="https://www.irjet.net/archives/V7/i6/IRJET-V7I61112.pdf">https://www.irjet.net/archives/V7/i6/IRJET-V7I61112.pdf</a>
13	Experimental Comparative Study on Flexural Strength of Reinforced Concrete Beam using Glass Fiber Reinforced Polymer Rebar with Slag Cement	Ms. S. Hemavathi	Civil	International Research Journal of Engineering and Technology (IRJET)	2019-2020	2395 - 0072	<a href="https://www.irjet.net/archives/V7/i6/IRJET-V7I6942.pdf">https://www.irjet.net/archives/V7/i6/IRJET-V7I6942.pdf</a>
14	Durability study on glass fiber reinforced concrete	Ms. S. Hemavathi	Civil	International Research Journal of Engineering and Technology (IRJET)	2019-2020	2395 - 0072	<a href="https://www.irjet.net/archives/V7/i6/IRJET-V7I609.pdf">https://www.irjet.net/archives/V7/i6/IRJET-V7I609.pdf</a>
15	Experimental Studies on Steel Fiber Reinforced Concrete	Ms. K. Gayathri	Civil	International Research Journal of Engineering and	2019-2020	2395 - 0072	<a href="https://www.irjet.net/archives/V7/i6/IRJET-V7I607.pdf">https://www.irjet.net/archives/V7/i6/IRJET-V7I607.pdf</a>



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				Technology (IRJET)			
16	A hybrid encoding strategy for classification of medical imaging modalities	B. Muthukumar	CSE	Journal of Ambient Intelligence and Humanized Computing	2019-2020	1868-5137	<a href="https://link.springer.com/article/10.1007/s12652-020-02129-1">https://link.springer.com/article/10.1007/s12652-020-02129-1</a>
17	Smart Trash Monitoring System Using Internet of Things (IOT)	Radhika S	EEE	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019-2020	2320 - 3765	<a href="http://www.ijareeie.com/upload/2020/may/10_Smart.PDF">http://www.ijareeie.com/upload/2020/may/10_Smart.PDF</a>
18	Smart Trash Monitoring System Using Internet of Things (IOT)	Nisha P	EEE	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2019-2020	2320 - 3765	<a href="http://www.ijareeie.com/upload/2020/may/10_Smart.PDF">http://www.ijareeie.com/upload/2020/may/10_Smart.PDF</a>
19	Home automation control using raspberry pi and smart phone through IOT	Radhika S	EEE	International Research Journal of Engineering and Technology (IRJET)	2019-2020	2395 - 0072	<a href="https://www.irjet.net/archives/V7/i4/IRJET-V7I4764.pdf">https://www.irjet.net/archives/V7/i4/IRJET-V7I4764.pdf</a>
20	Home automation control using raspberry pi and smart phone through IOT	Nisha P	EEE	International Research Journal of Engineering and Technology (IRJET)	2019-2020	2395 - 0072	<a href="https://www.irjet.net/archives/V7/i4/IRJET-V7I4764.pdf">https://www.irjet.net/archives/V7/i4/IRJET-V7I4764.pdf</a>
21	FPGA Controlled Three Level Diode Clamped Multilevel Inverter for Solar PV System	Syed Muzafar Ahmed S	EEE	International Research Journal of Engineering and Technology (IRJET)	2019-2020	2395 - 0072	<a href="https://www.irjet.net/archives/V6/i7/IRJET-V6I7294.pdf">https://www.irjet.net/archives/V6/i7/IRJET-V6I7294.pdf</a>
22	Virus-Detection Processors in Mobile Device Using an Adaptively Dividable Dual Port Bi - TCAM	Mubeena S	EEE	International Journal of Scientific Research &	2019-2020	2395-566X	<a href="https://ijsret.com/wp-content/uploads/2019/05/IJSRET_V5_issu e3_239.pdf">https://ijsret.com/wp-content/uploads/2019/05/IJSRET_V5_issu e3_239.pdf</a>



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				Engineering Trends			
23	Virus-Detection Processors in Mobile Device Using an Adaptively Dividable Dual Port Bi - TCAM	Vairaperumal K	EEE	International Journal of Scientific Research & Engineering Trends	2019-2020	2395-566X	<a href="https://ijsret.com/wp-content/uploads/2019/05/IJSRET_V5_issu e3_239.pdf">https://ijsret.com/wp-content/uploads/2019/05/IJSRET_V5_issu e3_239.pdf</a>
24	Glm Based Detection And Classification Of Micro Aneurysm In Diabetic Retinopathy Fundus Images	E.Dhiravidachelvi	ECE	Advanced Intelligence Paradigm in machine vision, image processing and pattern analysis.	2019-2020	1755-0386.	<a href="https://www.inderscience.com/info/inarticle.php?artid=102963">https://www.inderscience.com/info/inarticle.php?artid=102963</a>
25	The effect of TiB2 on Mechanical and Microstructural Properties of AZ91 matrix composites Manufactured by Cold Chamber Die Casting Process	Senthil Kumar R	Mechanical Engineering	SAE International	2019-2020	2020-28-0425	<a href="https://saemobilus.sae.org/content/2020-28-0425/">https://saemobilus.sae.org/content/2020-28-0425/</a>
26	Experimental studies on thermal spray ceramic coating (Al/Ti) on mild steel substrate	Rameeza. M	Mechanical Engineering	Gedrag & organisatie review	2019-2020	0921-5077	<a href="http://lemma-tijdschriften.com/gallery/goj-1496.pdf">http://lemma-tijdschriften.com/gallery/goj-1496.pdf</a>
27	Two Phase cooling with nano-fluid for highly dense electronic systems on chip - A pilot study	S. Kayalvizhi	IT	Microelectronics Reliability	2019-2020	0026-2714	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0026271419311886#!">https://www.sciencedirect.com/science/article/abs/pii/S0026271419311886#!</a>
28	Hybrid fuzzy logic and gravitational search algorithm-based multiple filters for image restoration	S.Senthil Pandi	IT	International Journal of Data Analysis Techniques and Strategies	2019-2020	1755-8069	<a href="https://www.inderscience.com/info/inarticle.php?artid=105182">https://www.inderscience.com/info/inarticle.php?artid=105182</a>