



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

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
2019-2020							
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	https://app.box.com/s/28135rs1j571v99glfgz6haccswl1vio
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	https://app.box.com/s/28135rs1j571v99glfgz6haccswl1vio
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	https://app.box.com/s/28135rs1j571v99glfgz6haccswl1vio
4	Highly efficient near-UV-excitable Ca ₂ YHf ₂ Al ₃ O ₁₂ :Ce ³⁺ ,Tb ³⁺ 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	https://pubs.rsc.org/en/content/articlelanding/2020/tc/d0tc00130a
5	Realizing bright blue-red color-tunable emissions from Gd ₂ GeO ₅ :Bi ³⁺ ,Eu ³⁺ phosphors through energy transfer toward light-emitting diodes	Balaji Devakumar	Physics	Journal of Luminescence	2019-2020	0022-2313	https://www.sciencedirect.com/science/article/abs/pii/S0022231319319386
6	Synthesis and photoluminescence properties of a new blue-light-excitable red phosphor Ca ₂ LaTaO ₆ :Eu ³⁺ for white LEDs	Balaji Devakumar	Physics	Journal of Luminescence	2019-2020	0022-2313	https://www.sciencedirect.com/journal/journal-of-luminescence



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

7	Preparation, crystal structure, and photoluminescence properties of high-brightness red-emitting $\text{Ca}_2\text{LuNbO}_6:\text{Eu}^{3+}$ double-perovskite phosphors for high-CRI warm-white LEDs	Balaji Devakumar	Physics	Journal of Luminescence	2019-2020	0022-2313	https://www.sciencedirect.com/science/article/abs/pii/S0022231320305731
8	Facile low-temperature solid-state synthesis of efficient blue-emitting $\text{Cs}_3\text{Cu}_2\text{I}_5$ powder phosphors for solid-state lighting	Balaji Devakumar	Physics	Materials Today Chemistry	2019 - 2020	2468-5194	https://www.sciencedirect.com/science/article/abs/pii/S2468519420300483
9	Eu^{3+} -activated $\text{Ca}_2\text{YT}_2\text{O}_6$ 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	https://www.semanticscholar.org/paper/Eu3%2B-activated-Ca2YT2O6-double-perovskite-compound%3A-Huang-Wang/a5654f381eb31e13736b0088a96af86e0fc60b04
10	Novel efficient deep-red-emitting $\text{Ca}_2\text{LuTaO}_6:\text{Mn}^{4+}$ double-perovskite	Balaji Devakumar	Physics	Journal of Luminescence	2019-2020	0022-2313	https://www.sciencedirect.com/science/article/abs/pii/S0022231320301307
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	https://www.sciencedirect.com/science/article/pii/S2214785320340074
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	https://www.irjet.net/archives/V7/i6/IRJET-V7I61112.pdf
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	https://www.irjet.net/archives/V7/i6/IRJET-V7I6942.pdf
14	Durability study on glass fiber reinforced concrete	Ms. S. Hemavathi	Civil	International Research Journal of Engineering and Technology (IRJET)	2019-2020	2395 - 0072	https://www.irjet.net/archives/V7/i6/IRJET-V7I609.pdf
15	Experimental Studies on Steel Fiber Reinforced Concrete	Ms. K. Gayathri	Civil	International Research Journal of Engineering and	2019-2020	2395 - 0072	https://www.irjet.net/archives/V7/i6/IRJET-V7I607.pdf



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

				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	https://link.springer.com/article/10.1007/s12652-020-02129-1
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	http://www.ijareeie.com/upload/2020/may/10_Smart.PDF
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	http://www.ijareeie.com/upload/2020/may/10_Smart.PDF
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	https://www.irjet.net/archives/V7/i4/IRJET-V7I4764.pdf
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	https://www.irjet.net/archives/V7/i4/IRJET-V7I4764.pdf
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	https://www.irjet.net/archives/V6/i7/IRJET-V6I7294.pdf
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	https://ijsret.com/wp-content/uploads/2019/05/IJSRET_V5_issu e3_239.pdf



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

				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	https://ijsret.com/wp-content/uploads/2019/05/IJSRET_V5_issu_e3_239.pdf
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.	https://www.inderscience.com/info/inarticle.php?artid=102963
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	https://saemobilus.sae.org/content/2020-28-0425/
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	http://lemma-tijdschriften.com/gallery/goj-1496.pdf
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	https://www.sciencedirect.com/science/article/abs/pii/S0026271419311886#!
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	https://www.inderscience.com/info/inarticle.php?artid=105182