

**K.RAMAKRISHNAN COLLEGE OF ENGINEERING**  
**DEPARTMENT OF EEE**  
**JOURNAL PUBLICATION DETAILS**  
**ACADEMIC YEAR (2020-2021)**

S.N O	NAME OF THE FACULTY	TITLE	NAME OF THE JOURNAL	VOLUME/ ISSUE	YEAR
1	Dr. K. Dhayalini	Locating electric vehicle charging station depends on vehicle count/density	High Technology Letters	Vol 26, Issue 7 &ISSN : 1006-6748	Jul-20
2	Mr. U. Ramani & Ms. R. Nithya	Genetic algorithm based three input DC source using hybrid power system	Journal of Green Engineering	Vol 10, Issue 7	JULY 2020 (SCOPUS)
3	Mr. U. Ramani & Ms. R. Nithya	Automatic Weather Monitoring Analysis for renewable energy system	IEEE Xplore	PP: 924-928	AUG 2020 (CONF)
4	Mr. P. Vigneshwaran	Photovoltaic brushless DC motor drive to pump water for irrigation using IoT	Journal of Critical Reviews	Vol 7, Issue 10 & ISSN- 2394-5125	AUG 2020 (SCOPUS)
5	Mr. A. Subramaniya Siva	Analysis of Stability in IEEE 14 Bus System using ETAP Software	IEEE Xplore	PP: 935-938	AUG 2020 (CONF)
6	Mr. A. Prabhu, Mr. A. Subramaniya Siva & Mr. R. Saranraj	Analisis of electrical performance of a fire fighting rover	Biosc.Biotech.Res. Comm (BBRC)	Vol 13, No 6, PP:382-385	SEP 2020 (WoS)
7	Mr. S. P. Richard, Dr. R. Manivasagam & Mr. P. Vigneshwaran	Three-Level topology for shunt active power filters	IOP Conf. Series: Materials Science and Engineering	937	OCT 2020 (CONF)
8	Mr. R. Saranraj	Vitality burglary recognition and issue investigation dependent on IOT	IOP Conf. Series: Materials Science and Engineering	937	OCT 2020 (CONF)
9	Dr. K. Dhayalini & Mr. P. Vigneshwaran	Radio frequency identification system based automated public distribution system	IOP Conf. Series: Materials Science and Engineering	937	OCT 2020 (CONF)

10	Mr. R. Saranraj	Design and stability analysis of vehicle suspension system	IOP Conf. Series: Materials Science and Engineering	937	OCT 2020 (CONF)
11	Dr. K. Dhayalini & Mrs. S. A. Priyadarshini	IoT and renewable energy systems based connected chair for health monitoring	IOP Conf. Series: Materials Science and Engineering	937	OCT 2020 (CONF)
12	Dr. S. Titus	Modified single phase matrix converter with Z-source for renewable energy systems	IEEE Xplore	ISBN: 978-1-7281-5822-8, DOI: 10.1109/ICSSIT48917.2020.9214138	OCT 2020 (CONF)
13	Dr. R. Manivasagam & Mr. S. P. Richard	Electrical power generation from heat energy using thermo electric generator and single ended primary induction converter	Research Journal of Engineering and Technology	Vol 11, Issue 1, ISSN 0976-2973	Oct-20
14	Dr. R. Manivasagam & Mr. S. P. Richard	Instant ash monitoring using a load cell in the boiler	Materials Today: Proceedings	Vol 39, PP: 1754-1761, ISSN 2214-7853	JULY 2020 (CONF)
15	Dr. R. Manivasagam	Comparison of Various Control Strategies for UPQC to Mitigate PQ Issues	J. Inst. Eng. India Ser. B	<a href="https://doi.org/10.1007/s40031-020-00502-4">https://doi.org/10.1007/s40031-020-00502-4</a>	OCT 2020 (SCOPUS)
16	Dr. S. Titus	Survey on Predictive Analysis of Diabetes Disease Using Machine Learning Algorithms	International Journal of Computer Science and Mobile Computing	Volume 9, Issue 10, pg. 19 – 27	Oct-20
17	Dr. R. Manivasagam & Mr. P. Vigneshwaran	Renal transplantation survival using ANN	Advances in Parallel Computing	Vol 37, PP:72-77, DOI 10.3233/APC200121	NOV 2020 (SCOPUS)
18	Mr. T. M. Navinkumar	Application of artificial intelligence techniques in irrigation and crop health management for crop yield enhancement	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.10.227">https://doi.org/10.1016/j.matpr.2020.10.227</a>	NOV 2020 (CONF)
19	Dr. S. Titus	A novel design and performance improvement of symmetric multilevel inverter with reduced switches using genetic algorithm	Soft Computing	ISSN 1432-7643	DEC 2020 (SCIE)
20	Ms. R. Nithya, Ms. R. Sushmitha & Dr. K. Dhayalini	Solution for the economic and reduced sulphur dioxide and nitrogen oxide emission of thermal power dispatch	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.10.945">https://doi.org/10.1016/j.matpr.2020.10.945</a>	DEC 2020 (CONF)

21	Mr. U. Ramani	Neural network based hybrid power scheme with constant output using three DC source	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.12.888">https://doi.org/10.1016/j.matpr.2020.12.888</a>	DEC 2020 (CONF)
22	Ms. R. Sushmitha	A novel methodology to capture the maximum power from variable speed wind turbines using proportional integral controllers, modified PSO-GSA algorithm	Materials Today: Proceedings	<a href="https://doi.org/10.1016/j.matpr.2020.12.905">https://doi.org/10.1016/j.matpr.2020.12.905</a>	DEC 2020 (CONF)
23	Dr. S. Titus	A Comprehensive Study on Routing Attacks with Counter measures in Internet of Things	Solid State Technology	Volume 63, Issue 4, pp.7993-7999	DEC 2021 (SCOPUS)
24	Mr. T. M. Navinkumar	Hybrid PV-Wind System With Power Quality Improvement Using PVDVR	IOP Conf. Series: Materials Science and Engineering	Vol 1055	FEB 2021 (CONF)
25	Mr. T. M. Navinkumar	Smart Mulberry Plant Cutter	IOP Conf. Series: Materials Science and Engineering	Vol 1055	FEB 2021 (CONF)
26	Mr. A. Subramaniya Siva	Anticipation of Battery Condition Using Internet of Things	IOP Conf. Series: Materials Science and Engineering	Vol 1055	FEB 2021 (CONF)
27	Mrs. A. Durgadevi, Mr. S. P. Richard & Dr. K. Dhayalini	Wind Energy Conversion System using Predictive Control with Lyapunov Based Observer	European Journal of Molecular & Clinical Medicine (EJMCM)	Vol 7, Issue 10 & ISSN- 2515-8260	Feb-21
28	Mr. A. Subramaniya Siva	Design of Charge Controller for Mobile using Arduino & GSM	Annals of the Romanian Society for Cell Biology	Vol 25, Issue 4, ISSN:1583-6258	Apr-21
29	Mr. T. M. Navinkumar	Closed Loop Speed Control of Bldc Motor with Design and Modelling Using Fuzzy Logic Controller	Annals of the Romanian Society for Cell Biology	Vol 25, Issue 4, ISSN:1583-6258	Apr-21
30	Mr. R. Saranraj & Dr. R. Ilango	Battery Powered By The Pv System Using Multilevel Inverter At 5 Level To Maximise The Efficiency	Turkish Journal of Computer and Mathematics Education	Vol.12 No. 7 (2021), 1880-1885	Apr-21
31	Dr. S. Titus & Mr. G. Gabriel santhoshkumar	Optimal Sliding Mode Converter with Energy Management System for Hybrid Electric Vehicle	IEEE Explorer	doi: 10.1109/ICAECT49130.2021.9392466	APR 2021 (SCOPUS)

32	Mr. A. Prabhu	Cognitive Radio-Based IoMT with Wireless Energy Harvesting for Secure Transmissions	Annals of the Romanian Society for Cell Biology	Vol 25, Issue 4, ISSN:1583-6258	Apr-21
33	Mr. U. Ramani	User Friendly with Zigbee Technology Control Agricultural Automation using Lab view	Annals of the Romanian Society for Cell Biology	Vol 25, Issue 4, ISSN:1583-6258	Apr-21
34	Ms. R. Nithya & Ms. R. Sushmitha	Multi-Level Inverter in Harmonic Mitigation using Reduced Number of Switches	Annals of the Romanian Society for Cell Biology	Vol 25, Issue 4, ISSN:1583-6258	Apr-21
35	Mr. P. Vigneshwaran	Smart Energy Home Management Using Hybrid system	Turkish Journal of Computer and Mathematics Education	Vol.12 No.3 (2021), 2443-2446	Apr-21
36	Ms. R. Sushmitha	Power Billing with Load Sharing System on Energy Meter Using Lab View	Annals of the Romanian Society for Cell Biology	Vol 25, Issue 5, ISSN:1583-6258	Apr-21
37	Dr. K. Dhayalini	Reclamation of natural esters using nanocarriers as the biodegradable choice for the transformer insulation	Environmental Technology & Innovation	<a href="https://doi.org/10.1016/j.eti.2021.101634">https://doi.org/10.1016/j.eti.2021.101634</a>	MAY 2021 (SCI)
38	Dr. S. Titus	A Developed H-Bridge Cascaded Multilevel Inverter with Reduced Switch Count	International Journal of Electrical International Journal of Electrical	Volume 16, Issue 03, pp. 1445 - 1455	MAY 2021 (SCI)
39	Dr. R. Manivasagam	Genetic algorithm for minimizing the fuel consumption	OPSEARCH	Available in online	JUNE 2021 (SCOPUS)
41	Dr. S. Titus	A Comprehensive Study on Routing Attacks with Counter measures in Internet of Things	Solid State Technology	Volume 63, Issue 4, pp.7993-7999	DEC 2021 (SCOPUS)