

**Dr.U.S.RAGUPATHY**

**PROFESSOR/ELECTRONICS AND INSTRUMENTATION ENGINEERING**

**KONGU ENGINEERING COLLEGE**

**LAST 5 YEARS PUBLICATIONS**

<b>S.no</b>	<b>Title of the Publication</b>	<b>Authors</b>	<b>Published in</b>	<b>Year/Volume/Issue Page no/Publisher</b>
1	An ANN-based harmonic mitigation and power injection technique for solar-fed distributed generation system	R Rajkumar, US Ragupathy	Soft Computing Journal	2020/1-10/ Springer Berlin Heidelberg
2	Performance analysis of clock pulse generators and design of low power area efficient shift register using multiplexer based clock pulse generator	R Murugasami, US Ragupathy	Microelectronics Journal	2020/105/104891/ Elsevier
3	Modeling and Design of High Performance Converters for Optimal Utilization of Interconnected Renewable Energy Resources to Micro Grid with GOLRS Controller	Surendar Vadivel, Uthandipalayam Subramaniyam Ragupathy	International Journal of Control, Automation and Systems	2020/1-13/ Institute of Control, Robotics and Systems and The Korean Institute of Electrical Engineers
4	Design and comparative analysis of D-Flip-flop using conditional pass transistor logic for high-performance with low-power systems	R Murugasami, US Ragupathy	Microprocessors and Microsystems Journal	2019/68/92-101/ Elsevier
5	Design of novel SRAM cell using hybrid VLSI techniques for low leakage and high speed in embedded memories	K Gavaskar, US Ragupathy, V Malini	Wireless Personal Communications Journal	2019/108/4/2311-2339/ Springer US
6	Proposed Design of 1 KB Memory Array Structure for Cache Memories	K Gavaskar, US Ragupathy, V Malini	Wireless Personal Communications Journal	2019/109/2/823-847/ Springer US
7	Implementation of new high efficient input parallel output series partial power DC-DC converter for solar photovoltaic	Ragupathy US	Journal of Vibroengineering	2019/21/3/760-765/ JVE International Ltd.

	partial shading conditions			
8	Design of Novel SRAM cell using Hybrid VLSI Techniques for Low Power and High Speed in Embedded Memories	K Gavaskar, US Ragupathy, D Malathi, G Ravivarma	International Conference on Intelligent Computing and Communication for Smart World (I2C2SW)	2018/22-32/IEEE
9	An efficient design and analysis of low power SRAM memory cell for ULTRA applications	K Gavaskar, US Ragupathy	Asian Journal of research in social sciences and humanities	2017/7/1/962-975/ Asian Research Consortium
10	Enhancement of Critical Parameters of Natural Ester Liquids Using SiO <sub>2</sub> Insulating Nanoparticle	M.Srinivasan US Ragupathy	Journal of Computational and Theoretical Nanoscience	2017/14/10/4649-4654 (6)
11	Investigation on three-phase seven-level cascaded DC-link converter using carrier level shifted modulation schemes for solar PV system applications	Ramasami Uthirasamy, Venkatachalam Kumar Chinnaiyan, Uthandipalayam Subramaniam Ragupathy, Jagadeesan Karpagam	IET Renewable Power Generation	2017/12/4/439-449/IET Digital Library
12	Investigation and Performance Analysis of Nanoparticles and Antioxidants based based Natural Ester	Srinivasan M US Ragupathy	International Journal of Advanced Engineering Technology	2016/7/2/1000-1007
13	A Survey on current key issues and status in cryptography	M Guru Vimal Kumar, US Ragupathy	International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)	2016/IEEE/205-210

14	Fully automatic Mammographic Mass segmentation based on Active Contour Technique	K.Yuvaraj US Ragupathy	International Conference on Biomedical systems, Signal and Images, IIT Madras	2016
15	Atlas based segmentation of carcinoma in Breast MRI	P.Mythili US Ragupathy, K.Yuvaraj	International Conference on Biomedical systems, Signal and Images, IIT Madras	2016
16	Computer Aided Segmentation of lung Nodule using edge based Active contour technique	S.Saranya US Ragupathy	International Conference on Biomedical systems, Signal and Images, IIT Madras	2016
17	Multiwavelet based Multimodal brain image Fusion	S.Jeevanantham US Ragupathy	International Conference on Biomedical systems, Signal and Images, IIT Madras	2016
18	Investigation of Natural Esters as an Alternate to Mineral Oil for Power Transformer Applications	M.Srinivasan US Ragupathy	First Power Engineers Meet, Indian Institute of Technology Madras, Chennai.	2015
19	Enhancement of Electric Power Quality at distribution Level Using Multilevel Shunt Active Filter With Renewable Energy Source	R.Rajkumar US Ragupathy	Recent Trends in Power Engineering, Indian Institute of Technology Madras, Chennai.	2015
20	Modeling of Knee Bone MR Images Using Active Shape Model	P.Jayashree US Ragupathy, P.Hemalatha	International conference on Contemporary Research Trends in Diagnostics and Therapeutics (Avidadham) Anna University, Chennai	2015
21	Investigations of Liquid Insulation System in Power Transformer- A Technical Review	U.S.Ragupathy and M. Srinivasan	International Conference on Electrical, Electronics, Computers,	2015

			Communication, Mechanical and Computing	
22	Design and experimentation of boost cascaded dc link inverter for domestic UPS applications	R Uthirasamy, US Ragupathy	Journal of Circuits, Systems and Computers	2015/24/10/1550156 / World Scientific Publishing Company
23	Structure of 15-Level Sub-Module Cascaded H-Bridge Inverter for Speed Control of AC Drive Applications	R Uthirasamy, US Ragupathy, R Naveen	International Journal of Power Electronics and Drive Systems	2015/5/3/404/ IAES Institute of Advanced Engineering and Science
24	Structure of boost DC-link cascaded multilevel inverter for uninterrupted power supply applications	Ramasami Uthirasamy, Uthandipalayam Subramaniyam Ragupathy, Venkatachalam Kumar Chinnaiyan	IET Power Electronics	2015/8/11/ 2085- 2096/IET Digital Library
25	Low power self-controllable voltage level and low swing logic based 1T1 SRAM cell for high speed CMOS circuits	K Gavaskar, US Ragupathy	Analog Integrated Circuits and Signal Processing	2015/100/1/61- 77/Springer