

PUBLICATION DETAILS
Research Publications for the Academic Year 2018-2019, 2019-20,
2020-21 (Scopus, Google Scholars, Open Accesses)

Sl.No	Name of the Faculty	Title	Year	Citation
01	Dr.Basavaraj Amarapur	An Improved Segmentation Approach using level set Method with Dynamic thresholding for Tumour Detection in MRI Images. International Journal of Helix, 7, 5, 2059-2066.	2018	Scopus
		Brain Tumour Classification Fuzzy level set and soft Computing. International Journal of Control Theory and Applications, 10, 37,121-132, 0974-5572.	2018	Scopus
		Segmentation Approach using Level set Coding for Region Detection in MRI Images. International Journal of Computational Signal Processing and Analysis, Lecture Notes in Electrical Engineering 490,235-246.(Scopus Indexed)	2018	Scopus
		Taxonomy of Brain Tumour Classification Techniques: A systematic Review. International Journal of Applied and Advanced Scientific Research, 8-18, 2456-3080.(Scopus Indexed).		Scopus
		Cognition Based MRI Brain Tumour Segmentation Technique using Modified Level set Method. International Journal of Cognition Technology & work, Springer,21,3,357- 369 (Scopus Indexed).	2018	Scopus
02	Prof.Mahadevi Biradar	Analysis and Design of Quasi Single Stage Buck Boost Inverter, International Journal of Creative Research Thoughts, 8 (10) 2020	2020	Google Scholar
		Analysis and Design of Quasi Single Stage Buck Boost Inverter, International Journal Technology and Electrical Engineering, 9 (4) 2020	2020	Google Scholar
		A 13-Levels Module (K) Multilevel inverter with two DC sources ITEE 9(3).2020	2020	Google Scholar
03	Dr.M.S.Aspalli	Study of AI and PI Controller using SVPWM Technique for Induction motor Speed control. 2017 International Conference on Electrical, Electronics, Communication.	2017	Google Scholar
		Design and Simulation of PID Control based Low Power Voltage Controlled SC-Buck Converter Eliminating Startup Voltage Stress Issues. 2019 4 th International Conference on Electrical, Electronics,	2019	Google Scholar

		Communication.		
		Proportional Resonant controller for semi-converter three phase VSI fed induction motor drive to enhance time response, 2020 International conference of Power electronics and IoT application in Renewable energy and its control	2020	Google Scholar
		A switched capacitor multilevel inverter with voltage boosting ability, International conference on Distributed computing, VLSI, Electrical circuits and Robotics (2020 IEEE DISCOVER)	2020	Google Scholar
04	Dr.Sanjeev Kumar R.A	Modified Transistor Clamped H-bridge-based Cascaded Multilevel Inverter with High Reliability, International Journal of advent in research Technologies (IJRAT),6,6	2018	Google Scholar
		Implementation of 13-Level Inverter for Wind Applications, International Journal of Advent in Research Technologies (IJRAT),6,6	2018	Google Scholar
		Design of Symmetric and Asymmetric Multilevel Inverters, Journal of Emerging Technologies and Innovative Research (JETIR),7,5	2019	Google Scholar
		Elimination of Common mode Leakage currents using Five Level Transformer less inverter Topology. International Journal of Innovative Technology and Electrical Engineering, Vol.9 Issue – 4, ISSN 2306-708x	2020	Google Scholar
		A Weighted Sum of Multi-Objective Function Based Reliability Analysis with the Integration of Distributed Generation. International of Journal of Engineering and Advanced Technology (IJEAT) ISSN:2249-8958 Vol.9 Issue-4	2020	Google Scholar

Research Publications for the Academic Year 2018-2019, 2019-20, 2020-21

Name of the Faculty	Title of Publication	Name of Journal/Volume /Issue /PP/ISSN	Year of Publication	Citation
Dr. Basavaraj Amarapur	Cognition Based MRI Brain Tumour Segmentation Technique using Modified Level set Method.	International Journal of Cognition Technology & work, Springer,21,3,357-369	2018	RIJ
	Computer aided Diagnosis Applied to MRI images of Brain Tumour using Cognition Based Modified Level set and Optimized ANN Classifier.	International Journal of Multimedia Tools and Applications Springer, 1-29,1380-7501	2018	RIJ
	An Approach of using Spatial Fuzzy and Level set Method for Brain Tumour Segmentation.	International Journal of Tomography & Simulation, 31, 4, 18-33,2319-3336	2018	RIJ
	Computer Based Diagnosis System for Tumour Direction & Classification: A hybrid Approach.	International Journal of Pure and Applied Mathematics, 118, 7, 33-43,1314-3395	2018	RIJ
	MRI brain Tumour Segmentation: A comparative study and Analysis over Various Level set Segmentation	International Journal of Advanced Research in Dynamical & Control Systems, 10, 1,64-81,1943-023X	2018	RIJ

	Algorithms.			
	A new Approach of Brain tumour Segmentation using Fast Convergence Level Set.	International Journal of Biomedical Engineering and Science (IJBES), 5, 1, 11-21.	2018	RIJ
	An improved Level set Method with New Speed Function and Optimized KPCM for Initial Contour for Brain MRI Segmentation.	International Journal of Medical Engineering and Ingormatics (IJMEI),	2018	RIJ
	Brain MRI Segmentation using Initial Contour KPCM and Optimal Speed Function for Improved Level set Method	International Journal of Health and Technology, 1-13,2190-7188	2019	RIJ
	A Hybrid Neural Filter (HNF) Based on Adaptive Median and Weiner Techniques for Reducing Speckle Noise of Ultrasound Liver Tumour Images.	International Journal of Recent Technology and Engineering(IJRTE), 8,3,2243-2250 227-3878	2019	RIJ
	Segmentation of Cotton Leaf Images Using Parametric Deformation Model	International Journal of Technology and Exploring Engineering (IJITEE): ISSN:2278-3075, Vol.9 Issue - 6	2020	RIJ
Dr.Nagbhusan Patil	Closed loop Speed Control Technique for Brushless DC Motor Drive	Journal of Emerging Technologies and Innovators Research, 5,7,	2018	RIJ
	Power Factor Correction for Three Level Reifies	Journal of Emerging Technologies and Innovators Research,6, 6,	2019	RIJ
Smt. Mahadevi Biradar	Eco Smart Decomposer.	International Journal of Scientific Research on Computer Science, Engineering& Information Technology.	2018	RIJ
	Speed Control of Single-phase Induction Motor using Cycloconverter.	Journal of Emerging Technologies and Innovative Research, 5, 7.	2018	RIJ
	AC/DC Micro grid Involving Energy Storage Using PV-Wind Power.	International Journal of Research in Advent Technology, 6, 6.	2018	RIJ
	Analysis and Design of Quasi Single Stage Buck Boost Inverter	IJCRT, 8 (10) 2020	2020	RIJ
	Design & Simulation PID Control Based Low PowerVoltage Controlled SC-Buck Converter Eliminating Startup Voltages Stress Issues	ICE 2019	2019	RIJ
	Design & Simulation PID Control Based Modified Series capacitor Buck Converter with High Conversion ratio Eliminating startup Voltage Stress Issues	JETIR 6 (6) 2019	2019	RIJ
	Speed Control of BLDC Motor Using Boost Converter.	JETIR 6 (4) 2019	2019	RIJ
	Analysis and Design of Quasi Single Stage Buck Boost Inverter	IJTE, 9 (4) 2020	2020	RIJ
Dr.Sangmesh Sakri	Behaviour Towards Incentives for Solar Water Heater Use in Karnataka	International Journal of Engineering and Advanced Technology (IJEAT),2,1,1-4,		RIJ
	Vernacular Passive Cooling Techniques – A Case Study of A Vernacular Residence in Allur - Kalaburagi	IJERT ISSN:2278-0181, Vol.9 Issue:08 August 2020	2020	RIJ
Sri. Chandrsekhar S	Analysis & Simulation of Battery Energy Storage System.	IJRAT, 6, 6,	2018	RIJ
	Speed Control of Brushless DC Motor Using Isolated Zeta Converter” ITRAT	IJRAT, 6, 2321-9637	2018	RIJ
	Hybrid Current Control Technique Combinations of Time Domain & Frequency Domain Current Controller	JETIR, 5, 7, 2349-5162.	2018	RIJ
	A highly Reliable and Efficient	International Journal of Engineering	2019	RIJ

	Differential Dual Buck-Boost Inverter for single Phase and three phase application.	Volume, 6, Issue 6, ISSN-2349-5162.		
	A Newly Modified Seven Level Cascade H Bridge Inverter With Reduced Components.	IJCRT, Volume 8, Issue 10, October 2020, ISSN: ISSN:2320-2882	2020	RIJ
	Analysis and Design of Frequency control Strategy Based Hybrid Energy Storage System	Gradivi Review Journal , Volume 7, Issue, August 2021, ISSN: ISSN:0363-8057	2021	RIJ
	Vehicle Accident Alert System Using GSM, GPS and MEMS	International Research Journal Of Engineering an Technology, Volume 8, Issue 8, June 2021.	2021	RIJ
Dr.Sanjeevkumar R A	Enhancement of Power Quality in Distribution System by Optimal Integration of Distributed Generators Using Hybrid Flower Pollination Algorithm	International Journal of Electrical Engineering and Technology(IJEET),9,3	2018	RIJ
	Multi-Objective Based Analytical Approach For Optimal Placement Of Distributed Generators In Power System,	Journal of Emerging Technologies and Innovative Research (JETIR),5,7	2018	RIJ
	Analytical Approach for Optimal Placement of Distributed Generators in Power System	International Journal of Advent in Research Technologies (IJRAT)6,7	2018	RIJ
	Modified Transistor Clamped H-bridge-based Cascaded Multilevel Inverter with High Reliability	International Journal of advent in research Technologies (IJRAT),6,6	2018	RIJ
	Implementation of 13-Level Inverter for Wind Applications,	International Journal of Advent in Research Technologies (IJRAT),6,6	2018	RIJ
	An analytical approach for Optimal Integration of Distributed Generation for Reliability Assessment	Journal of Emerging Technologies and Innovative Research (JETIR),6,4	2019	RIJ
	Optimal Allocation of Distributed Generation to Mitigate Power Quality Issues	Journal of Emerging Technologies and Innovative Research (JETIR),6,4	2019	RIJ
	Power quality analysis of distribution system using hybrid intelligent algorithm by optimal integration of DG	Journal of Emerging Technologies and Innovative Research (JETIR),6,5	2019	RIJ
	Design of Symmetric and Asymmetric Multilevel Inverters	Journal of Emerging Technologies and Innovative Research (JETIR),7,5	2019	RIJ
		Journal of Emerging Technologies and Innovative Research (JETIR),6,4	2019	RIJ
		Journal of Emerging Technologies and Innovative Research (JETIR),6,4	2019	RIJ
	Elimination of Common mode Leakage currents using Five Level Transformer less inverter Topology.	International Journal of Innovative Technology and Electrical Engineering, Vol.9 Issue – 4, ISSN 2306-708x	2020	RIJ
	A Weighted Sum of Multi-Objective Function Based Reliability Analysis with the Integration of Distributed Generation	International of Journal of Engineering and Advanced Technology (IJEAT) ISSN:2249-8958 Vol.9 Issue-4.	2020	RIJ
	Multilevel Transformerless PD Inverter with reduced Switching Losses and Elimination of CM leakage Current.	International Journal of Innovative Technology and Electrical Engineering, (IJITEE)Vol.9 Issue – 11, ISSN 2278-3075	2020	RIJ
	Smt. Mahadevi	Cascaded Seven level H-Bridge Inverter with Filter and Boost Converter	Journal of Emerging Technologies and Innovative Research Volume.6	2019

S.N		Issue 5		
	A Single Switch Quadratic Buck-Boost Converter with wide -Range of Voltage Conversion	Journal of Emerging Technologies and Innovative Research Volue6, Issue 5	2019	RIJ
	A New Interleaved Soft Switching Boost Converter for Photovoltaic Applications	International Journal of Creative Research Thoughts (IJCRT) Vol.8, Issue 7 ISSN: 2320-2882	2020	RIJ
Sri. Gopinath Harsha	Maximum Boost Control of Diode-Assisted Buck –Boost Voltage Source Inverter with Minimum Switching Frequency	International Journal of Science and Research	2018	RIJ
	Three Post Bi-Directional AC-DC Converter with Partial Power Processing Stages	Journal of Emerging Technology & Innovative Research [JETIR]	2019	RIJ
	Micro-grid Voltage and Current Harmonics Compensation Using Coordinated Control of Dual Interfacing Converter	Journal of Emerging Technology & Innovative Research [JETIR]	2018	RIJ
Sri. Akash Patil	Voltage Multiplier Cell Applied to Modified SEPIC Converter For Renewable Applications	International Journal of Emerging Technologies and Innovative Research (ISSN:2349) Is hereby Awarding this Certificate, 5,7,	2018	RIJ
	Performance Analysis of Grid Integrated PV sourced Reconfigurable Solar Converter Using Cascaded H-bridge Multilevel Inverter Topology	Strad Research, Vol.8 Issue – 9, ISSN: 0039-2049	2021	RIJ
	Single Stage Reconfigurable Converter Topology for Photovoltaic Application based on Multilevel Inverter	GRADIVA REVIEW Jorunal, Vol.7 Issue – 8 ISSN:0363-8057	2021	RIJ
Prof. Akshay Aspalli	Good Governance and Political Entrepreneurship in India, Taylor and Francis Group.	National conference on skill development and Entrepreneurship	2018	RIJ
	Human Values: Role of Family, Society, Educational Institutions & Entrepreneurs in Inculcating Values, Taylor and Francis Group,	National conference on skill development and Entrepreneurship	2018	RIJ
	Design and simulation of High efficiency hybrid high step up DC to DC converters for distributed PV generation system	International Journal of Research in Advent and technology	2019	RIJ
Prof. Priya Patil	Integration of Solar PV/Battery Hybrid System for Seven Level Inverter	International Journal of Research in Advent Technology. E-ISSN: 2321-9637	2019	RIJ
	Solar Charging Station for Electric Vehicles	<ul style="list-style-type: none"> International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Volume 9, Issue 7. 	2020	RIJ
Dr.M.S.Aspalli	Direct torque controlled semi converter – three phase VSI fed induction motor drive with enhanced time response	LINO, ISSN – 0211-2574 Volume-2, Issue-2	2021	RIJ
	A Nine level switched capacitor type inverter with boosting	International Journal of Information Technology and electrical engineering, ISSN- 2306-708X, Volume-9, Issue-3	2020	RIJ
	A five level cascaded H-bridge multilevel inverter with reduced number of switches	International Journal of Information Technology and electrical engineering, Volume-9, Issue-3	2020	RIJ
	Fuzzy-PI controlled cascade H-bridge	International Journal of Scientific and	2020	RIJ

	inverter fed single phase induction motor drive	Technology Research. ISSN-2277-8616, Volume-9, Issue -4		
	Proportional Resonant controller for semi-converter three phase VSI fed induction motor drive to enhance time response	2020 International conference of Power electronics and IoT application in Renewable energy and its control	2020	RIJ
	A switched capacitor multilevel inverter with voltage boosting ability	International conference on Distributed computing, VLSI, Electrical circuits and Robotics (2020 IEEE DISCOVER)	2020	RIJ
	Modelling and Simulation of a Non-Confined Bidirectional Dc-Dc converter with High Voltage Pickup.	Journal of Emerging Technologies and Innovative Research, 5, 7	2018	RIJ
	Implementation of Cascaded High Step-DC-DC Converter Using Three-Winding Coupled Inductor and diode capacitor Technique	Journal of Emerging Technologies and Innovative Research, 5,7,	2018	RIJ
	Modelling and Simulation of Single Phase Matrix Converter as a Cycloconverter, an Inverter and as Rectifier using Power MOSFETs'	Journal of Emerging Technologies and Innovative Research ,5,7	2018	RIJ
	Design and Simulation of PID Control based Low Power Voltage Controlled SC-Buck Converter Eliminating Startup Voltage Stress Issues.	2019 4 th International Conference on Electrical, Electronics, Communication.	2019	RIJ
	Single Phase AC_AC Converter with Improved Factor for Induction Motor	International Journal of Research in Advent Technology, 17,5,	2019	RIJ
Prof. Manish G Rathi	Cascaded H-Bridge Five Level Inverters with Reduced Switch count Using sinusoidal PWM Technique"	JETIR Vlume-6, Issue6	2019	RIJ
	A Highly Reliable and Efficient Anise Simply & Tope Back Boost Inverters	JEITR Volume-5 issue7"	2018	RIJ
	Heigh level Transformer Inverters' Eongoying Ground Concoction Between PV Negative Terminal and Grid Neutral Point Using MOSFET	JEITR, 5, 7	2018	RIJ