

1. Name : Dr. R. KRISHNAKUMAR
2. Qualification : Ph.D
3. Designation : Professor & Head, Dept of EEE
4. Experience (yrs) : 17.75 Years
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7. Paper Publications :

S. No	Authors Name	Title of the paper	Journal Name, Year, Vol. No, Issue No, Page	Index
1.	N.Janaki and Dr. R.Krishna Kumar	“Effective elimination of harmonics on the part of chosen dc bus in dual active type converter”	International Journal Of Engineering & Technology, 2018, 7 (2.25) (2018) 53-55	SCOPUS
2.	N. Janaki and R. Krishnakumar	“A Comprehensive Review on Various Optimization	International Journal Of Pure And Applied Mathematics, Volume 119 No. 10 2018, Issn: 1311-8080 (Printed Version); ISSN: 1314-3395	SCOPUS

		Techniques for Zero Ripple Input Current DC-DC Converter”	(On-Line Version)	
3.	T.R. Premila and R. Krishnakumar	“A Comprehensive Review on Various Optimization Techniques Assisted Perturb and Observe MPPT Algorithm for a PV Panel”	International Journal of Pure and Applied Mathematics, Volume 119 No. 10 2018, ISSN: 1311-8080 (Printed Version); ISSN: 1314-3395 (On-Line Version)	SCOPUS
4.	B.Rubini and R.Krishnakumar	“Energy Efficiency Hybrid Power Management Of Electric Vehicle (Ev) Charging Through Photovoltaic (Pv) And Microgrid (Mg)”	International Journal Of Engineering and Technology (UAE), 2017-2018, 2227-524X	SCOPUS
5.	S.Pradeep Kumar and R.Krishnakumar	“Multi-Input Multi- Output Converter With Battery Charger For Low Power Applications”	International Journal Of Engineering And Technology (Uae), 2017-2018, 2227-524x	SCOPUS
6.	K.Sasikala and R.Krishnakumar	“A Novel Technique Of Dynamic Speed Control For Buck- Boost Converter Fed Blde Motor Drive”	International Journal Of Engineering And Technology (Uae), 2017-2018, 2227-524x	SCOPUS
7.	R.Krishnakumar	“Total Harmonic Distortion Reduction In Voltage Source Inverter Using Hybrid Buck-Boost Converter”	Journal Of Advance Research In Dynamical And Control Systems, 2017-2018, Issn No: 1943-023x	SCOPUS
8.	R. Krishnakumar	“ Multiple PV Source		

		Fed Isolated Multiple Port DC-DC Converter”	International Journal of Control Theory and Applications, 2017 Vol 10. No.25	SCOPUS
9.	R. Krishnakumar	“ BLDC Motor Driven Solar PV Array Fed Water Pumping System Employing Zeta Converter”, in	International Journal of Control Theory and Applications, 2017 Vol 10. No.25	SCOPUS
10.	R. Krishnakumar, A. Mohamed Rasheed and K. Senthil Kumar	“Enhanced Hover Control of Quad Tilt Frame UAV under Windy Conditions” , in	International Journal of Advanced Robotic Systems, 2015, vol. 12, no. 146, pp. 1-14	Sci Indexed Impact Factor 0.952
11.	R. Krishnakumar, and K. Senthil Kumar	“Analysis of Transition from Vertical Takeoff and Landing to Horizontal Flight of Cross Type and X type Mini UAV” , in	Information – an International Interdisciplinary Journal, 2015 vol. 18, no. 13, pp. 1011-1018.	SCOPUS
12.	R. Krishnakumar, K. Senthil Kumar and E.Siva	“Design Development and Endurance comparison of Quadrotor and Flying wing Hybrid UAV” , in	International Journal of Applied Engineering Research, 2015, vol. 10, no. 9, pp. 8056-8060.	SCOPUS
13.	R. Krishnakumar, K. Senthil Kumar and T.Anand	“Design and Development of Vertical Takeoff and Horizontal Transition Unmanned Aerial Vehicle” , in	Advanced Materials Research, 2014, vol. 1016, pp. 436-440.	SCOPUS
14.	A. Amretha and R. Krishnakumar	“Solar Based Drive System for Aerial Vehicles “, in	International Journal of research in Engineering and Technology, 2013, Vol 1, no 1, pp -1-5.	-
15.	K. Senthil Kumar,	“Dhaksha, the	ISPRS-International Archives of the	listed in the

	K, A Mohamed Rasheed, R. Krishnakumar and M. Giridharan	Unmanned Aircraft System in its New Avatar-Automated Aerial Inspection of INDIA'S Tallest Tower” , in	Photogrammetry, Remote Sensing and Spatial Information Sciences, 2013, vol. 1, no. 2, pp. 241-246.	ISI Conference Proceedings Citation Index (CPCI) of the Web of Science and SCOPUS
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8. Awards if any :

Sl. No	Descriptions of the Award	Award Details (Certificates, Medal, etc)	Received Date
1.	Deep appreciation from Government of Tamilnadu for the dedicated and selfless service rendered during the Rescue and Relief Operations in the building collapse incident on 28 th June 2014 at Moulivakkam, Sriperumbudur Taluk, Kancheepuram District	Certificate	2014

9. Projects completed / ongoing :

Sl. No	Status (Completed/Ongoing/ Approved/Submitted)	Project Title	Co-Investigator (If any)	Name of the Funding Agency	Sanctioned Date	Duration	Date of Completion	Value (Rs)
1.	Completed	Design and Development of Hands Free Blue Tooth Enabled on Board Device for vehicles	-	Interlogicx Embedded Systems Pvt .Ltd, Pondycherry.	20.02.2018	12	20.025 .2018	12000

10. Areas of Specialization : Renewable Energy Technology, Unmanned Aerial Vehicle Systems, Power Converters, Electrical Drives.

11. Any other Information :

PATENT DETAILS

S. No	TITLE	INVENTOR	DETAILS OF PATENTS	STATUS
1.	Intelligent Flame Monitoring in Power Station using Internet of Things	Dr. R. Krishnakumar	Application No. : 201641039202 Date of filing of Application : Application Status : Application Yet to be published	Published Awaiting for Examination
2.	Intelligent Flame Monitoring in Power Station using Internet of Things	Dr. R. Krishnakumar	Patent No: 201641039202, Published on : 13/10/2017	Published Awaiting for Examination