




Faculty Profile

Name	: SATHISHKUMAR R					
Date of Birth	: 22-12-1986					
Highest Qualification	: M.E., Ph.D.					
Date of Joining	: 17.11.2021					
Designation	: Associate Professor					
Date of promotion (Present Designation)	: 01.12.2021					
Area of Interest	: Power Systems, Renewable Energy Systems					
Mobile No	: 9789173222	Email ID	: sathishkumar.r@trp.srmtrichy.edu.in			
Experience	: Teaching :	13	Industry :	01	Research :	NIL
Address (for Communication)	: 2/115, Indira Colony, Samayapuram – 621 115.					

Association with Professional Bodies

Name (Professional Body)	International Association of Engineers (IAENG)	Computer Science Teachers Association (CSTA)	International Association of Academic Plus Corporate (IAAC)
Type of Membership and No.:	IAENG membership number is: 157766	Membership number 6888262	Membership number FRTJQC-CE004130

Research

Ph. D Guidance					
Supervisor / Guide ship No. :	NA	University :	NA	No. of Scholars :	NA
Publication*					
International Journals	: 13	National Journals	:	0	
International Conference	: 5	National Conference	:	2	
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount)	: NA	Applied (Amount)	:	NA	
Patent					
Published	: 3	Granted	:	NIL	

Books

Published	: 1
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FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	10	Attended :	2	Attended :	5	Attended :	5	Attended :	0
Organized :	5	Organized :	0	Organized :	2	Organized :	2	Organized :	0

Online courses (NPTEL, MOOC etc.)	6
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***List of Publications :**

13. Sathishkumar Ramasamy, Booma Jayapalan, Balakrishnan Pappan, Gopinath Singaram; QZSI based high efficient wind energy tracking by modified fuzzy logic based hill climbing search (HCS) algorithm. AIP Conf. Proc. 20 September 2023; 2831 (1): 040004. <https://doi.org/10.1063/5.0162708> (Scopus Indexed).
12. Dr.R. Sathishkumar, "Internal Model Controller Based ISSBC DC to DC Converter For Electrical Vehicle Applications" Semiconductor Optoelectronics, Vol. 42 No. 1 (2023), 1315-1323. <https://bdtgd.cn/article/view/2023/1315.pdf>. (Scopus Indexed)
11. R. Sathishkumar, " Low Voltage PV Interface to a High Voltage Input Source with Modified RVMR," Advances in Electrical and Computer Engineering, Volume 4, Issue 4, 8 pages, 2022. Digital Object Identifier 10.4316/AECE.2022.04003. (SCI Indexed – Journal)
10. R. Sathishkumar, "Wear Behavior and FESEM Analysis of LM 25 Alloy MMHCs Reinforced with FE3O4 and Gr by Utilizing Taguchi's Technique," Hindawi Journal of Nanomaterials, vol. 2022, Article ID 3203057, 10 pages, 2022. <https://doi.org/10.1155/2022/3203057>. (SCI Indexed – Journal, Impact Factor: 2.986).
9. R. Sathishkumar; Abu Md. Mehdi Hassan; Milad Mohseni; Amrendra Tripathi; Korakod Tong, "The Role of Internet of Things (IoT) for Cloud Computing Based Smart Grid Application for Better Energy Management using Mediation Analysis Approach" in IEEE Explore, July 2022. (Scopus Indexed) <https://doi.org/10.1109/ICACITE53722.2022.9823928>
8. R.Sathishkumar, P.Narasimman, N.Priya " A New Design Hybrid Cascaded Multilevel Inverter for AC-DC-AC Conversion" in the International Journal of Innovative Technology and Exploring Engineering (2020) Volume 9 / Issue 4 February 2020. (Scopus Indexed/ UGC Approved)
7. R.Sathishkumar, R.Velmurugan, Balakrishnan Pappan, J.Booma " Quasi Z-Source Inverter for PV Power Generation Systems" in the International Journal of Innovative Technology and Exploring Engineering (2019) Volume 9 / Issue 2 December 2019. (Scopus Indexed/ UGC Approved)
6. R.Sathishkumar, V.Chandrasekar, V.Malathi, " Analysis of solid-state transformer interfaced with renewable energy systems in Microgrid" in the Journal of Electrical Engineering (2018) Volume 18 / 2018 - Edition: 1. (ISBN 1582-4594, SI.No.6030, as indicated in Annexure I of refereed journal list given in Anna University 2017).
5. R.Sathishkumar, V.Malathi, E.Sakthivel, "Real-Time Implementation of quazi Z source inverter Incorporated with Renewable Energy Source" Published in Elsevier Energy Procedia, Volume 117, June 2017, Pages 927-934. (Scopus Indexed/ UGC Approved)
4. R.Sathishkumar, Dr.V.Malathi, V.Premka, "Optimization and Design of Photovoltaic-Wind Hybrid System for DC Microgrid Using NSGA-II" published in Circuits and Systems Journal, Vol.7 No.7, May 2016. (Scopus Indexed/ UGC Approved)
3. R.Sathishkumar, V.Malathi, P.Deepamangai "Quazi Z-source Inverter Incorporated with Hybrid Renewable Energy Sources for Microgrid Applications" in Journal of Electrical Engineering (2016) Vol.16, pp.458-467. (ISBN 1582-4594, SI.No.6030, as indicated in Annexure I of refereed journal list given in Anna University 2017). (Scopus Indexed/ UGC Approved)
2. R.Sathishkumar, V.Malathi, M.Karthiga alias Priya, " Design of Eleven-Level grid-connected converter topology for single-phase Transformerless PV system" in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Scopus Indexed/ UGC Approved)
1. R.Sathishkumar, V.Deepika, "Modelling and Simulation of a Hybrid Green Source Generation with MPPT Control for a Standalone Power System" in the Journal of Electrical Engineering (2015). (Scopus Indexed/ UGC Approved).