


Faculty Profile

Name	:	Dr.R.Sathishkumar					
Date of Birth	:	22-12-1986					
Highest Qualification	:	Ph.D					
Date of Joining	:	17.11.2021					
Designation	:	Associate Professor					
Date of promotion (Present Designation)	:						
Area of Interest	:	Power Systems, Renewable Energy Systems & Power Electronics					
Mobile No	:	+91-9789173222	Email ID	:	sathishkumar.r@trp.srmtrichy.edu.in		
Experience	:	Teaching :	13 Years	Industry :	1 Year	Research :	
Address (for Communication)	:	Plot No.110, SKR Nagar, Avaniyapuram, Madurai- 625012					

Association with Professional Bodies

Name (Professional Body)	Computer Science Teachers Association (CSTA).	International Association of Engineers (IAENG)		
Type of Membership	Basic	Basic		

Research

Ph. D Guidance					
Supervisor / Guide ship No. :		University :		No. of Scholars :	
Publication*					
International Journals	:	12	National Journals	:	2
International Conference	:	5	National Conference	:	2
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount)	:		Applied (Amount)	:	
Patent					
Published	:		Granted	:	

Books

Published	
:	

FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	20	Attended :	2	Attended :	10	Attended :	10	Attended :	
Organized :	5	Organized :	-	Organized :	2	Organized :	2	Organized :	

Online courses (NPTEL, MOOC etc.)

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***List of Publications :**

1. 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 – Journal, Impact Factor: 2.986).
2. **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>
3. **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)
4. **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)
5. **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).
6. **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)
7. **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)
8. **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)
9. **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)
10. **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).