

SRES', Sanjivani College of Engineering, Kopargaon
(An Autonomous Institute affiliated to SPPU, Pune)

Staff Profile

Personal Information			
Name of Teaching Staff: Dr.M.Sujith			
Designation: Assistant Professor			
Department : Electrical Engineering			
Date of joining :			
E Mail ID :			
Contact No:			
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	B.E.EEE / 74%	Anna University, Chennai	2008
PG	M.E.A.E / 8.4CGPA	Anna University, Chennai	2012
Ph.D	ower Quality	Anna University, Chennai	2021
Total experience in years:			
Teaching:	10.5 Years		
Industry:	nil		
Research and Publications			
Author(s),Title of Article,Name of Journal,Volume(Issue),ISSN :xxxx-xxxx, pp:x-x,Month-Year [Download Link]			
<u>SCI Indexed Publication</u>			
1. Sujith, M , Padma, S ,‘Implementation of PSOANN Optimized PI Control Algorithm for Shunt Active Filter’, CMES-Computer Modeling in Engineering & Sciences, vol.122, no.3, pp.863–888, 2020			
2. M, Sujith , S, Padma 2020, ‘Optimization of harmonics with active power filter based on ADALINE neural network’, Microprocessors and Microsystems, Vol.73, pp. 1-17, 2020.			

3. Sitharthan R, Yuvaraj S, Sanjeevikumar Padmanabhan, Jens Bo Holm-Nielsen, **Sujith M**, Rajesh M, Prabaharan N, Vengatesan K, Piezoelectric Energy Harvester Converting Wind Aerodynamic Energy into Electrical Energy for Microelectronic Application, 15(9), pp. 1968–1975, 2021
4. Intrusion detection technique in vehicular ad hoc networks enabled smart hybrid electrical vehicle- **Accepted for publication in International Journal of Heavy Vehicle Systems**

Scopus Indexed Publications

1. T. Rampradesh, P. Vimala, S. Jaisiva, **M. Sujith**, K. Sakthisudhan, “Method of beam forming for analyzed breast cancer image by composite based test-beds”, Materials Today: Proceedings, Volume 46, Part 9, 2021, Pp. 4232-4235.
2. **M. Sujith**, S. Madhubalan, K. Prathibanandhi, “Implication of ANN-FLC Based PI Controller for Dual Interfacing Converters”, Journal of Green Engineering, Vol.10, no.3, pp. 9587-9600, 2020
3. **M. Sujith** and S. Padma “Novel Power Converter Topologies for Permanent Magnet Synchronous Generators (PMSG) used in Wind Energy Conversion Systems WECS”, International Journal of Simulation: Systems, Science and Technology, United Kingdom Simulation Society, Volume 18, Issue 01, Mar2017, p1-10, ISSN: 1473804X.
4. **M. Sujith**, S. Padma and L. Ashokkumar “Integrated Controller for Elimination of Harmonics in PMSG Based WECS Feeding Non Linear Load”, International Journal of Intelligent Engineering and Systems, Japan, pp.317 – 326, Vol.10, No.3, 2017, , ISSN: 2185-3118.
5. **M. Sujith** and S. Padma, “Estimation of Harmonics Using Adaptive Wavelet Neural Network”, ARPN Journal of Engineering and Applied Sciences, Vol. 13, No-18, SEPTEMBER 2018, PP No-4897- 4904 , ISSN 1819-6608.

Non-Scopus Indexed Publications

1. **M. Sujith** Design of high rate and low complexity MIMO transmission channel, International J. of Engg. Research & Indu. Appls. (IJERIA). ISSN 0974-1518, Vol.5, No. III (August 2012), pp. 55-68 (**Impact Factor: 0.435**)
2. **M. Sujith**, R. Mohan, P. Sundravadeivel, “Simulation Analysis of 100kw Integrated Segmented Energy Storage For Grid Connected PV System” , International journal of electrical engineering and technology(IJEET), Volume 3, Issue 2, July – September (2012), pp. 164-173, ISSN Online: 0976-6553 (**Impact Factor: 3.2031**)
3. **M. Sujith** and S. Asokkumar “Performance Improvement of Bridgeless Cuk Converter Using Hysteresis Controller”, International Journal of Electrical Engineering Volume 6, Number 1 (2013), pp. 1-10 © International Research Publication House, ISSN 0974-2158.

4. Dr.J.Baskaran, P.Pugazhendiran, **M.Sujith**, “A Novel Digitally Controlled Converter for Renewable Energy Resources”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-2, Issue-4, March 2013 ([Impact Factor: 1.207](#))
5. P.Pugazhendiran, **M.Sujith** and Dr.S.S.Jayachandran, “Matlab Based HVCT Fault Analysis”, International Journal of Emerging Trends in Electrical and Electronics (IJETEE) pg.105-108 Vol. 2, Issue. 1, April-2013, E-ISSN, 2320-9569 ([Impact Factor: 3.84](#))
6. P.Pugazhendiran, **M.Sujith**, Dr.S.S.Jayachandran, “An Improved Direct Torque Control (IDTC) for Low Cost Drives”, International Journal of Advances in Electrical and Electronics Engineering pp. 235-242, Volume-2 ,Number-2,2013. ISSN: 2319-1112 ([Impact Factor: 0.452](#))
7. U.Palani , **M.Sujith**,P.Pugazhendiran, “Implementation of Memory Based Multiplication Using Micro wind Software”, International Journal of Scientific Research Engineering & Technology (IJSRET) Volume 2 Issue2 pp. 045-050 May 2013 www.ijsret.org, ISSN 2278 – 0882
8. **M.Sujith**,C.Sivapragash,A.Raja, “High Frequency single phase AC Chopper” , International Journal of Research in Electrical & Electronics Engineering, Volume 1, Issue 2, October-December, 2013, pp. 71-76, © IASTER 2013, www.iaster.com, ISSN (O) 2347-5439([Impact Factor: 0.755](#))
9. **M.Sujith**, J.Baskaran, P.Pugazhendiran,” Implementation of Multilevel Inverter for Hybrid Energy Conversion System”, The IUP Journal of Electrical & Electronics Engineering, Vol. VI, No. 4, 2013 pg.28-35, ISSN: 0974-1704
10. **M.Sujith**, A.Mahendiran, “Input Voltage Feed Forward Based TSBB Converter” , International Journal of Emerging Trends in Electrical and Electronics pg.1-4 Vol.10, Issue. 7, Aug-2013, E-ISSN, 2320-9569 ([Impact Factor: 3.84](#))
11. **M.Sujith**, S.Neelan, S.Asok Kumar, J.Asha, “A Novel PI Converter based High Voltage Gain DC – DC Converter” International Journal of Advanced Research in Electrical,Electronics and Instrumentation Engineering, pg.13575- 135581, Vol.3, Issue. 12, Dec 2014, ISSN (Online)- 2278 - 8875 (Impact Factor: 5.06)
12. **M.Sujith** and J.Asha Modelling and Simulation of Dc to Ac Converter for Renewable Energy Source Using Simulink", Volume 5, Issue V, International Journal for Research in Applied Science and Engineering Technology (IJRASET) Page No:1664-1669 , ISSN : 2321-9653, (**UGC Approved Journal**)

Papers presented in conferences:

Author(s), Title of Article, Name of Conference, Place, Month-Year [Download Link]

1. Presented paper in **International Conference**, Title - **“Performance Analysis of Frequency Sensitivity in Rayleigh Channel”** Organized by Tiruvallur College of Engineering & Technology, Vandavasi in Association with ISA(Industrial Standard Association)
2. Presented paper in **National Conference**, Title - **“STBC-STTC over a Communication channel”** Organized by Vivekanandha Institute of Engineering and Technology for Women, Tiruchengode.
3. Presented the paper in **CSIR Sponsored National Conference**, Title- **“Software Implementation of STBC-SM for Higher spectral efficiency and High code gain”** organized by K.S.R.College of Engineering, Tiruchengode
4. Presented the paper in National Conference on New Rich Einstein(NRE2012), Title- **“Fuzzy Logic Control for Photovoltaic Application”** organized by Einstein college of Engineering, Tirunelveli.
5. Presented the paper in National Conference on Emerging Trends in Applied Electronics, Title- **“A high step up DC-DC Converter as interface for micro sources using single switch”** organized by Chandy College of Engineering, thoothukudi.
6. Presented the paper in National Conference on Modern trends in Electrical power Generation Engineering 2013, Title- **“Soft Switching Series Resonant AC Chopper”** organized by SNS College of Engineering, Coimbatore.
7. Presented the paper in National Conference on Modern trends in Electrical power Generation Engineering 2015, Title- **“Elimination of Harmonics in cascaded multilevel inverter using soft computing techniques”** organized by Karppaga Vinayaga College of Engineering & Technology, Chennai.
8. Presented the paper in International Conference on Current innovations in Engineering and Technology 2015, Title- **“Harmonic Injection Technique to reduce Harmonic”** organized by International Association of Engineering and Technology for skill development, Newdelhi.
9. Presented the paper in 3rd National Conference on Signals, Computing and Communication 2015, Title- **“A Human Power Conversion system based on children’s play”** organized by Rajiv Gandhi College of Engineering, puducherry
10. Presented the paper in National Conference on Systems, Computation, Automation and Networking (SCAN’17), Title- **“Estimation of Harmonics Using Adaptive Wavelet Neural Network”** organized by Manakula Vinayagar Institute of Technology, Puducherry

<p>11. Presented the paper in National Conference on Systems, Computation, Automation and Networking (SCAN'17), Title- “Estimation of Harmonics Using Adaptive Wavelet Neural Network” organized by Manakula Vinayagar Institute of Technology, Puducherry</p> <p>12. Presented the paper in National Conference on Systems, Computation, Automation and Networking (SCAN'17), Title- “Study of Integrated Fuzzy logic and Unified Power Quality Controller for Wind Farm Stabilization” organized by Manakula Vinayagar Institute of Technology, Puducherry (Received Best paper Award)</p>	
Research Profile URL	
Google Scholar	https://scholar.google.com/citations?hl=en&user=AOhgV5MAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57194208887
Orcid	https://orcid.org/0000-0003-0647-6029
Other Research Details	
Ph D Guide ?Give field & University:	NA
Ph Ds/ Projects Guided:	NA
Books Published	03
IPRs/Patents	01 Published
Professional Memberships:	<ul style="list-style-type: none"> ● Life time membership in ISTE-92979 ● International Association of Engineers [IAENG]-ID: 122359 ● International Association of online Engineers [IAOE]-ID: 594
Interaction with professional institutions	<p>Reviewer:</p> <ol style="list-style-type: none"> 1. Reviewer in 06 Elsevier Journals 2. International Journal of Research in Electrical & Electronics Engineering (ISSN: 2348-0025) 3. American Journal of Renewable and Sustainable Energy (E-ISSN: 1941-7012) <p>Editorial board</p> <ol style="list-style-type: none"> 1. Scholars Journal of Engineering & Technology (ISSN: 2321-435X) 2. International Journal of Emerging Engineering Science & Technology (ISSN: 2454-549X) 3. American Journal of Renewable and Sustainable Energy (E-ISSN: 1941-7012)

		4. International Journal of Recent Innovation in Engineering & Research (IJRIER) [E-ISSN: 2456-2084]	
Consultancy Activities			
Duration	Title of Activity	Issued Organization	Amount
	Nil		
Grants fetched			
Duration	Title	Issued Organization	Amount
2018-2019	National Level Seminar	CSIR	15,000/-
2019-2020	ISTE Sponsored Seminar	ISTE	5,000/-
2020-2021	National Level Seminar	CSIR	15,000/-
Awards			
<p>➤ Received Preeminent Researcher IRSD Award 2020 during the 5th International Conference on Interdisciplinary Research for Sustainable Development 2020 (Virtual IRSD 2020) organized by Green ThinkerZ in association with Western Sydney University, Australia and Wakelet - Manchester UK on 25th December 2020.</p>			
FACULTY DEVELOPMENT PROGRAMMES ATTENDED			
<ol style="list-style-type: none"> 1. Attended 5 Days online workshop on “Universal Human Values” from 19-23 April 2021 organized by AICTE, Newdelhi 2. Attended one week online workshop on “Student Psychology” from 14 – 18 June 2021 organized by NITTTR, Chennai 3. Attended 2 weeks online FDP on “Trends and Challenges in Power Converters and Control” from 04 – 18 May 2021 organized by College of Engineering, Guindy, Anna University, Chennai. 4. Attended 6 Days AICTE Sponsored online STTP on “Challenges and Opportunities in Implementing IoT and Machine Learning for Smart Grid Distribution System” from 18-23 Jan 2021 organized by Kongunadu College of Engineering and Technology, Tirchy 			

5. Attended 6 Days AICTE Sponsored online STTP on “**Technical Writing and Research Methodology**” from 14- 19 Dec 2020 organized by **Chaitanya Bharathi Institute of Technology, Proddatur.**
6. Attended one week online workshop on “ **Life Skills Development**” from 02 – 06 Dec 2020 organized by **NITTTR, Chennai**
7. Attended 3 days online workshop on “**Leadership for Academicians of Higher Educational Institutions**” from 07-09 Dec 2020 organized by **NITTTR, Chennai**
8. Attended 5 days online ATAL workshop on “**Data Science**” from 28.09.2020 to 2.10.2020 organized by **IFET College of Engineering, Villupuram.**
9. Attended one day National Level Awareness Workshop on “**Outcome Based Education and Accreditation**” for Engineering Colleges organized by **G H Raison Institute of Engineering & Technology, Nagpur** on 11th Sep. 2020
10. Attended 6 days online STTP on “**Tableau-Data Visualization Tool for Researchers**” from 08-14-august 2020 organized by **IFET College of Engineering**
11. Attended 5 days online **Online FDP** on "Electric Vehicles" from **2020-8-24** to **2020-8-28** organized by **PSG COLLEGE OF TECHNOLOGY.**
12. Attended 5 days online ATAL workshop on “**Data Science**” from 09 – 13 May 2020 organized by **Dr.Harisingh Gour University Sagar(MP).**
13. Attended 5 days online ATAL workshop on “**Internet of Things IoT**” from 04 - 08 May 2020 organized by **MANIT, Bhopal**
14. Attended 5 days online ATAL workshop on “**Artificial Intelligence**” from 27.4.2020 to 1.5.2020 organized by **MSME-Technology Development Centre Meerut**
15. Attended 4 Days online courses on “ **Examination Reforms**” from 22-25 April 2020 organized by **AICTE**
16. Attended 5 Days QIP Programme on “**IoT Enabled Analog Systems Design**”, from 13th to 17th January 2020 at **IISc Bangalore.**
17. Attended 5 Days QIP Programme on “**Startups and Their Ecosystem**” from 9th to 13th Dec 2019 at **IISc Bangalore .**
18. Attended one day workshop on **R Programming - online programme** organized by **IIT Bombay - NMEICT (09th Nov 2019)**

19. Attended one day workshop on **esim - online programme** organized by **IIT Bombay - NMEICT** (21st Sep 2019)
20. Attended one day workshop on **Moodle learning management** –online programme organized by **IIT Bombay - NMEICT** (15th March 2019)
21. Attended One day Coordinator workshop on eSim on 27 July 2019
22. Attended five days FDP DST sponsored workshop on “**Robotics and automation applied to fisheries and aquaculture**” organized by Department of EEE, Sona College of Technology, Salem- NMEICT (4th -8th Dec 2018).
23. Attended two day ISTE sponsored workshop on “**Optimization Techniques & Simulink Modeling using Matlab**” organized by ECE, IFET College of Engineering, Villupuram.
24. Attended one day workshop on “**Scope for R&D Projects and Proposal Preparation**” at **Anna University, Chennai** (Centre for technology development and Transfer)
25. Attended five days workshop on “**Nanocomposites for Energy Conversion and Storage Applications with Special Reference to Carbon**” at IIT Kanpur.
26. Attended two day workshop on “**Computational Intelligence Techniques**”, Anna university (**MIT campus**), **Chennai**.
27. Attended two day workshop on “**Awareness in Developing Intellectual Property Rights and Patents**”, Valliammai Engineering College, Chennai
28. Attended workshop on “**Awareness on NBA**”, IFET College of Engineering.
29. Attended two day workshop on “**Power System Planning Study Tools** “ Anna University, Guindy Campus, Chennai.
30. Attended two day workshop on “**Advanced Controller Design for Power electronic Converters in Renewable Energy Systems using MATLAB & DSPACE** “ Kongu Engineering College, Erode
31. Attended One day Technical seminar on “ **Energy Optimizing and Auditing**” organized by Sona Alumni (Rain tree hotel , Chennai) , Sona College of Technology, Salem
32. Attended workshop on “**Role of Faculty Advisor**”, IFET College of Engineering.
33. Attended ISTE workshop on “**Team Building**” , IFET College of Engineering.

34. Attended ICT Academy of TamilNadu Sponsored Two days National Level workshop on “**DSP- Biomedical instrumentation using Lab View**”, Vellalar College of Engineering and Technology
35. Attended ICT Academy of TamilNadu Sponsored Three days National Level workshop on “**Automation Engineering using Lab View**”, Mahendra Engineering College.
36. Attended One Day workshop on “**VLSI Design, Verfication and Testing**” in SSN College of Engineering, Chennai.
37. Attended CSIR Sponsored One Day National Level Workshop on “**Smart Grid for Intelligent Energy**” Usage in VIT University , Chennai Campus.
38. Attended AICTE Sponsored Two Days National Seminar on “**Computational Intelligent Techniques of Machine Vision System**” in K.S.R.College of Technology.

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

Name of the FDP / Workshop	Organization	Duration	Month-Year	Capacity
-	-	-	-	-

INVITED LECTURES IN CONFERENCE/SEMINAR

Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organized By
-	-	-

OTHER Professional URLs

Personal Website	-
Linked In Profile	www.linkedin.com/in/dr-sujith-m-18a17025
GitHub URL	-

YouTube Channel	-
Other	-

Any Other: