

FACULTY PROFILE

1. Name: **Dr. T. ANURADHA**
2. Designation: **PROFESSOR & HEAD, DEPT OF EEE**
3. Date of Birth: **18/04/1972**
4. Education: **B.E (EEE), M.E (Power Systems Engg), PhD in Power Electronics & Renewable Energy Systems**
5. Experience: **31 years** (22 years in Academic & Research + 9 years in Industry)
6. Email-id: tanural872@gmail.com ; hodeee@kcgcollege.com
7. Research Interests: **Renewable Energy Systems, Power Electronics and Drives, Smart Grids and Electric Vehicle Technologies**
8. Research Profile



Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=55807746400
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LinkedIn	linkedin.com/in/dr-anuradha-t-40060813

9. Academic Qualifications

S.No	Degree with Discipline	University/ Institution/Board	Year of Passing	% of Marks
1	Ph.D (Renewable Energy) – Faculty of Electrical Engineering	College of Engineering, Guindy, Anna University, Chennai, Tamilnadu	2016	Thesis Title: Design and Implementation of Hybrid MPPT Controller based Solar Power Conditioner for Remote Power Solutions
2	M.E (Power Systems Engineering)	College of Engineering, Guindy, Anna University, Anna University, Chennai, Tamilnadu	2006	CGPA - 8.124 – I Class
3	B.E (Electrical and Electronics Engineering (EEE))	Algappa Chettiar College of Engineering and Technology (ACCET), Karaikudi, Madurai Kamaraj University	1993	71%- I Class)

Work Experience (29 Years)

Sl. No	Organization	Designation	Duration	Major Responsibilities
1	KCG College of Technology, Chennai, Anna university	Professor & Head	June 2018 - Till date (5 Years and 4 Months)	Academic and research activities – major subjects handled: Power Electronics for Renewable Energy Systems, Power Quality, FACTS, Special Electrical Machines, Power System Analysis
2	Anand Institute of Higher Technology, Chennai, Anna university	Professor	Dec 2003 – May 2018 (14 Years & 4 Months)	Electronics for Renewable Energy Systems, Power Quality, FACTS, Special Electrical Machines, Power System Analysis
3	Kvaerner Process (I) Ltd, Bangalore	Senior Design Engineer	Jun1996 – Jan 2003 (6 year & 7 Months)	Major Clients: ONGC, IOCL, HPCL, Reliance Industries Ltd ESSO Norway, Shell.
4	Technology Ventures (I) Pvt ltd, Chennai	Assistant Design Engineer	June 1995 – May 1996 (1 Year)	Work responsibilities: Design and procurement assistance of Electrical System for Oil & Gas, Petroleum Industries and Refineries
5	Tamilnadu Electricity Board (TNEB), Chennai	Graduate Apprentice	Apr 1994 - Apr 1995 (1 Year)	Training in substation, switchgear, and protection

- ✓ **Research Interests:** Developing eco-friendly, cost-effective, easily adaptable advanced power electronic interfaces for hybrid renewable energy systems for **Rural electrification projects** and AI, ML based control techniques for **Electric Vehicle Applications**.
- ✓ Recognized **Supervisor of Anna University** for guiding PhD / MS (By Research) from 2017– Currently **Guiding Seven (7) PhD Research Scholars**.

AWARDS WON

- **Winner of AICTE – Lilavati Award 2021-22 under the theme “Women empowerment” & sub theme – “Self Defence” – 2022**
- **Evaluator for AICTE – MIC organized Toycathon Preliminary and Finals rounds in 2021**
- **Winner of “Prof. Indira Parikh Top 50 Women in Education Leader Award” by World Education Congress in 2018**
- **Winner of “Best Professor in Electrical Engineering Studies Award” by Dewang Mehta National Education Awards in 2019**
- **Best Teacher Award by Lions International in 2023**
- **Mentor in grand Finale of AICTE& MoE's Innovation Cell organized Smart India Hackathon, 2022 – SIH Senior Hardware Edition**
- **“Outstanding Contribution in securing Research patents” during the Academic Year 2022-23**
- **“Prolific FDP Organizer” during the Academic year 2022-23**
- **Speaker in “United Nations Global Reports presentation in Earth-day indexed Energathon 2023 – organized by The Institution of Green Engineers (IGen)**
- **Resource person in PDP on “Recent Trends in Power Systems” conducted by National Institute of Technical Teachers training and Research (NITTTR), Chennai in July 2023**
- **Mentor for Top 100 project International KPIT Sparkle -21 Industry sponsored Hackathon**
- **Chief guest and judge for Transformation 2.0 - School Expo –at Prim Buds Garden - CBSC School, Chennai in 2023**

PROFESSIONAL BODY MEMBERSHIP

- ✓ **International Wind Empowerment Association - Executive Member**
- ✓ **India Smart Grid Forum (ISGF) (Ministry of Power Initiative) - An Active workgroup member**
- ✓ **IEEE – Member**
- ✓ **IET – Member**
- ✓ **ISTE – Lifetime Member**
- ✓ **Imperial Society of Innovative Engineers (ISIE) – Member**

REVIEWER IN JOURNALS / PUBLICATIONS

- ✓ **IEEE- IAS Sustainable Energy Conversion Systems**
- ✓ **IEEE Access**
- ✓ **IET Power Electronics**
- ✓ **IEEE Industrial Electronics**
- ✓ **IET Renewable Power Generation**
- ✓ **IET Generation, Transmission & Distribution**
- ✓ **IETE Journal of research**
- ✓ **International Journal of Electronics**

- ✓ Pearson Education India
- ✓ Technical Advisory Committee Member and Session Chair for many IEEE and International conferences

FUNDED PROJECTS

Worked as **PI/ Co-PI/ Convener/ Coordinator** for many **AICTE, DST IET funded projects, FDP, STTP, Workshops**, Knowledge Enhancement Programs, seminars and mentored several innovative projects in the **Smart Grid Technologies** and **Solar-Wind Hybrid Systems** for Sustainable Rural Electrification.

Project Name	Year	Organization	Amount (Rs)	Status
FDP on Trends and Challenges in EV Ecosystem -	2021-22	AICTE - FDP	Rs.4.42 Lakhs	Completed
Two Day Seminar on Battery Management System for Hybrid and Electric Vehicles	2021-22	IET - Seminar	Rs 25,000	Completed
Two Day Seminar on Cybersecurity Issues and Solutions for IOT Enabled Digital Substation	2021-22	IET - Seminar	Rs 25,000	Completed
Project on Design & Implementation of Cyber Physical Controller for Optimal Dispatch of Virtual Power Plant	2020 – 2023	AICTE - RPS	Rs.8 Lakhs	Completed
Contactless Battery Charging Systems for E-Vehicles	2021-2023	CVRDE	Rs 22.35 lakhs	Completed
Wind Driven Air Storage System	2019-20	NIWE	Rs 18.9 Lakhs	Completed
STTP on "Cyber Security and Resilience of Smart Grid	2020-21	AICTE - STTP	Rs.3 Lakhs	Completed
Five-day Workshop on Emerging Trends in Wearable Sensors for Health Care Applications	2018-19	DHR-ICMR - Workshop	Rs.1 Lakh	Completed
Hands on Training on Advanced C2000 PICCOLO Microprocessor	2018-19	IET – Hands on Training	Rs. 20,000	Completed

for Renewable Energy Applications				
Knowledge Enhancement Program on Electrostatic Discharge - General Awareness and Introduction	2018-19	IET Workshop	- Rs.20,000	Completed
Entrepreneurship Awareness Camp (EAC) -EEE	2016-17	DST-NSTEDB	Rs.20,000/-	Completed
Plasma Based Water Purifier	2016-17	IEDC	Rs.1 Lakh	Completed

PATENTS

- 1. GRANTED:** A System to Manage Medical Data - **Patent number: 202022100362.9-German Patent – March 2022**
- 2. PUBLISHED:** Machine Learning Based Battery Management System for Optimized EV Performance – **Patent Application No.202141017715 A – Indian Patent – Apr 2021**
- 3. GRANTED:** An Internet of Things Based Civil Engineering Water Pump with Embedded Solar System- **Patent Number: 2021103839-Australian Innovation Patent – July 2021**
- 4. GRANTED:** A Process for Designing of Cyber Physical Controller for Optimal Dispatch of Virtual Power Plant - **Patent Number: 2021101655-Australian Innovation Patent – May 2021**
- 5. PUBLISHED:** Augmented Reality Guidance System for Vehicles - **Patent Application No.: 202041040296- Indian Patent- Sep -2020**
- 6. GRANTED -** Biometric Sensors on Steering Wheel for an Electric Vehicle - **Design No: 380510-001; Date of Issue 17.05.23 – Indian Design Patent- May 2023**
- 7. PUBLISHED:** Design of IoT-based Monitoring and Alarm System for Elderly People – **Patent Application No.202341032633 A filed on 09.05.23 – Indian Utility patent – Aug 2023**
- 8. PUBLISHED -** Design and Usability of Interfaces for Automated Vehicles- **Patent Application No.202341037112A filed on 29.05.23 – Indian Utility patent – June 2023**
- 9. PUBLISHED -** Functioning and Effectiveness of Specific Mobile Applications Supporting the Smart City Trend- **Patent Application No. 202341044493A Filed on 03.07.23– Indian Utility patent – Sep 2023**
- 10. Indian Patent -** Wireless power transmission of smart Electric vehicle system - **202341007268 – Published in 10.02.2023**
- 11. Indian Patent -** Cloud and AI interconnected autonomous EV charging station - **202341004814 –Published in 17.02.2023**

12. Indian Patent - Fuzzy Logic Based Power Management For Small Scale Hybrid Wind Solar Battery Based Microgrid - 32223/2021-CO/L& 31/12/2021 Published in Mar 22
13. Indian Patent - Smart Meter For Industries - 202141032560 & 19/07/2021 – Published in July 22

PUBLICATIONS

Authored and coauthored 85 research papers in IEEE, IET, Springer, Elsevier, and other renowned publications and presented research works in several leading power and industrial conferences.

International Journals

SCI/ ESCI/ SCOPUS/ SPRINGER

1. S. Balaji, & T. Anuradha, (2023), “Adaptation of Renewable Energy Resources to Wireless EV Charging Using Deep Learning”, **Taylor & Francis - Electric Power Components and Systems** <https://doi.org/10.1080/15325008.2023.2269928>; (SCI)
2. T. Vinothkumar, S.S. Sivaraju, Anuradha Thangavelu & S. Srithar, (2023), “An energy-efficient and reliable data gathering infrastructure using the internet of things and smart grids”, **Taylor & Francis – Automatika- Journal for Control, Measurement, Electronics, Computing and Communications**, vol. 64, No. 4, pp 720 - 732, DOI: [10.1080/00051144.2023.2205724](https://doi.org/10.1080/00051144.2023.2205724) ; (SCI)
3. S. S. Sivaraju, J. Chitra, T. Anuradha & A. Pandian, (2023), “An Intelligent Load Balancing Strategy for Energy Cost Minimization in EV Applications” **Taylor & Francis- Electric Power Components and Systems**, DOI: [10.1080/15325008.2023.2239217](https://doi.org/10.1080/15325008.2023.2239217); (SCI)
4. T. Senthilkumar, S.S. Sivaraju, V. Ranganayaki, T. Anuradha, (2023), “Voltage-Fed single stage inverter for generating systems with Multi-Input inverter using Pulse Width Modulation” **Elsevier -Sustainable Energy Technologies and Assessments**, vol 60, <https://doi.org/10.1016/j.seta.2023.103483> ; (SCI) -Impact factor 8
5. Bindu Vadlamudi & Anuradha T, (2023), “Optimized Hybrid CNN-LSTM Based Islanding Detection of Solar-Wind Power System”, **Taylor & Francis- Electric Power Components and Systems**, DOI: [10.1080/15325008.2023.2220333](https://doi.org/10.1080/15325008.2023.2220333); (SCI)
6. S.S. Sivaraju, V. Mani, A. Umaamaheshvari, P. DivyaBanu, T. Anuradha, S. Srithar, (2023), “An attack resistant physical unclonable function smart optical sensors for internet of things for secure remote sensing” **Elsevier - Measurement: Sensors**, vol 29, <https://doi.org/10.1016/j.measen.2023.100882>; (SCOPUS)
7. Bindu Vadlamudi, & T. Anuradha, (2023), “Review of islanding detection using advanced signal processing techniques” **Springer Nature Electr Eng** . <https://doi.org/10.1007/s00202-023-01967-4> (SCOPUS, Web of Science))

8. **Anuradha, T**, Tigadi, A, Ravikumar, M, Nalajala, P, Hemavathi, S, & Dash, M, (2022), “Feature Extraction and Representation Learning via Deep neural network”, **Springer, Singapore - Computer Networks, Big Data and IoT. Lecture Notes on Data Engineering and Communications Technologies**, vol 117. Springer, Singapore, **Springer Link-** https://doi.org/10.1007/978-981-19-0898-9_44; (SCOPUS, Web of Science,
9. R.Selvam, **T. Anuradha**, S.Jayakumar, & M.Venkatesh, (2020), “IOT based Energy Management for Hybrid Solar and Wind Energy System”, **International Journal of Future Generation communication and networking** vol. 13, no.2, pp. 426-438, ISSN :2233- 7857 (SCOPUS, Web of Science)
10. M.Shanmugapriya, V.Subramaniyan, **T.Anuradha**, (2020), “Power Management of a Microgrid using Fuzzy Logic Controller”, **International Journal of Advanced Science and Technology**, vol. 29, no.10s, pp. 7169-7180, ISSN : 2005-4238 (SCOPUS)
11. **Anuradha T**, Ramya K, R. Selvam, (2019) “Design and Implementation of Solar Powered Automatic Pesticide Sprayer for Agriculture” **Journal of Physics: Conference Series** vol. 1362, 012048 IOP Publishing doi:10.1088/1742-6596/1362/1/012048 (SCOPUS)
12. Karthikeyan, Patnaik, **Anuradha, T**, & Deivasundari, P, **2018**, ‘Adaptive Incremental Conductance MPPT based Solar PV System for Electric Vehicles’, **Journal of Electrical Engineering**, vol. 18, no.4, pp. 498-507, ISSN :1582- 4594 (SCI, Web of Science).
13. **Anuradha, T**, Senthilkumar, V & Deivasundari, P, **2017**, ‘Linear open circuit voltage-variable step size –incremental conductance strategy-based hybrid MPPT controller for remote power applications’, **IET Power Electronics**, vol. 10, no.11, pp. 1363-1376, DOI:10.1049/iet-pel.2016.0245, ISSN :1755- 4535 (SCI, Web of Science). **Impact Factor – 3.575.**
14. **Anuradha, T**, Senthilkumar, V & Deivasundari, P, **2016**, ‘Zero voltage switching-pulse width modulation technique-based interleaved flyback converter for remote power solutions’, **IET Power Electronics**, vol. 9, no.7, pp. 1381-1390, DOI: 10.1049/iet-pel.2015.0365, ISSN :1755- 4535 (SCI, Web of Science). **Impact Factor – 3.575.**
15. **Anuradha, T**, Senthilkumar, V & Deivasundari, P, **2016** ‘Analysis and Implementation of MPPT Algorithm for a PV System with High Efficiency Interleaved Isolated Converter’, **Intelligent Computing and Applications, Springer, Advances in Intelligent Systems and Computing**, vol.467, pp. 551-560, ISSN: 2194-5357 (SCOPUS, Web of Science)
16. **Anuradha, T**, Senthilkumar, V & Deivasundari, P **2016**, ‘A Comparison of Existing MPPT Techniques for a PV System with Interleaved Converter’, **Australian Journal of Basic & Applied Sciences**, vol.10, no.5, pp. 69-75, ISSN: 1991-8178. **Impact Factor – 0.425. [BEST PAPER AWARD] (SCOPUS)**

17. **Anuradha, T**, Senthilkumar, V & Deivasundari, P **2016**, 'Bisection Method Based Modified Perturb and Observe MPPT Algorithm for a PV Generation System with an Interleaved, Isolated DC - DC Converter', **Australian Journal of Basic & Applied Sciences**, vol.10, no.5, pp. 76-82, ISSN : 1991-8178. **Impact Factor – 0.425. (SCOPUS)**
18. **Anuradha T**, Babitha Dhas P G , **2015**, 'Adaptive Current Based Model Predictive Controller(MPC) For DC-DC Boost Converter', **International Journal of Advanced Research Trends in Engineering and Technology**, vol. 2, no 13, pp. 25 -29, ISSN 2394-3785 (**SCOPUS**)
19. **T.Anuradha**, G.Prasanthi, **2015**, 'Adaptive Sliding Mode Control For PWM Based Buck Converter' **International Journal of Advanced Research Trends in Engineering and Technology** ,vol. 2, no 13, pp. 30 -35, ISSN 2394-3785 (**SCOPUS**)
20. **T.Anuradha**, J.Christysudha, **2014**, 'High Step-Up ZVT Interleaved Converter with Voltage Doublers Cell for Renewable Energy System' **International Journal of Innovative Research in Science, Engineering and Technology**, vol. 3, no 3, pp 480 -484 (**SCOPUS**)

BOOK CHAPTERS

21. S. Sushma, **T. Anuradha**, D. R. Denslin Brabin, A. Jose Anand, (**2023**), "Artificial Intelligence in Orthopedic Implant Model Classification" **IGI Global: Handbook of Research on Advanced Functional Materials for Orthopedic Applications – Chapter 6**, pp 93 to 106. DOI: 10.4018/978-1-6684-7412-9.ch006 (**SCOPUS**)

IEEE XPLORE & ELSEVIER – SCOPUS INDEXED

1. R. Muthalagu, Ramachandran. R, **Anuradha. T**, Anupama. PH and Jose Ananad. A, (**2023**), "Pattern Recognition and Modelling in Electrocardiogram Signals: Early Detection of Myocardial Ischemia and Infraction", **IEEE Xplore** - pp. 1035-1041, doi: 10.1109/ICECAA58104.2023.10212133. (**SCOPUS**)
2. **Anuradha. T**, A. Suganya, R. Muthalagu, M. Narender and Jose Anand. A, (**2023**), "Evaluation of a Wireless Sensor Network for the Detection of Forest Fires", **IEEE Xplore**, pp. 1021-1027, doi: 10.1109/ICECAA58104.2023.10212390. (**SCOPUS**)
3. M. Sunil Kumar, Anuradha. T, Yerrum Srinivas, Santhi Sri. T, Catherine. T. J and S. Aurelia, (**2023**), "Simulation of the Electrical Control Unit (ECU) in Automated Electric Vehicles for Reliability and Safety Using On-Board Sensors and Internet of Things," **IEEE Xplore** pp. 1-5, doi: 10.1109/ICECCT56650.2023.10179682. (**SCOPUS**)
4. S. Dasi, R. Sandiri, T. Anuradha, T. Santhi Sri, S. Majji and K. Murugan, (**2023**), "The State-of-the-art Energy Management Strategy in Hybrid Electric Vehicles for Real-time Optimization," **IEEE Xplore** pp. 1637-1643, doi: 10.1109/ICICT57646.2023.10134496.
5. R. Raja, **T. Anuradha**, S. Majji, T. R. Patnala, C. Sushama and D. Kapila, (**2023**) "Global Identification Passport: A Unique Cloud based Passport Model," **IEEE Xplore**, pp. 801-805, doi: 10.1109/ICSSIT55814.2023.10061108. (14.03.23)

6. N. Sendhil Kumar, U. Kaur, **T. Anuradha**, S. Majji, S. Rao Karanam and R. G. Deshmukh, (2022), "5G Network Virtualization for the Remote Driving Enhancement," **IEEE Xplore** pp. 458-463, doi: 10.1109/ICCCT53315.2021.9711894.
7. T. Anuradha, J. Latha, C. Selvakumar, Huma Khan, Hemavathi. S, Siva Ganesh Malla, Jagan Mohana Rao Malla, Md Amzad Hossain., (2022), "Power Quality Improvement of Hybrid Standalone Microgrid with DSTATCOM during Faults on Distribution Line," **IEEE Xplore**, pp. 1-7, doi: 10.1109/PEDES56012.2022.10080027. (30.03.23)
8. M. Bhagya Lakshmi, S. Saravanan, Muhammet serhat Düzdağ; Heybet Kılıç; **T. Anuradha; et al.**, (2022), "Voltage and Frequency Control of a PV-Battery-Diesel Generator based Standalone Hybrid System," **IEEE xplore** pp. 1-7, doi: 10.1109/PEDES56012.2022.10080764. (30.03.2023)
9. Edwin EmanuelRajan. S, C. H. Karthi, R. Ramya and T. Anuradha, (2022) "Load based Fuzzy Controller for Bipolar Stepper Motor," **IEEE Xplore**, pp. 141-145, doi: 10.1109/ICIRCA54612.2022.9985770. (29.12.2022)
10. U. Rajender, S. Nagulapati, Anuradha. T, Hemavathi. Et al, (2022) "Application of Synthetic Aperture Radar (SAR) based Control Algorithms for the Autonomous Vehicles Simulation Environment," **IEEE Xplore** pp. 1685-1688, doi: 10.1109/ICECAA55415.2022.9936273. (08.11,2022)
11. Sreedhar, J., **Anuradha, T.**, Mahesha, N., Bindu, P., Kathiravan, M., Patel, I. (2022). An Overview of Blue Eye Constitution and Applications. In: Jacob, I.J., Kolandapalayam Shanmugam, S., Bestak, R. (eds) *Expert Clouds and Applications. Lecture Notes in Networks and Systems*, vol 444. Springer, Singapore. https://doi.org/10.1007/978-981-19-2500-9_23 (18.08.23)
12. Patel, S.I., Khan, I., Ahmed, K.I., Raja Kumar, V., **Anuradha, T.**, Singh, R.B. (2022). "The Performance Evaluation of Adaptive Energy Conservation Scheme Using IoT. In: Karuppusamy, P., García Márquez, F.P., Nguyen, T.N. (eds) *Ubiquitous Intelligent Systems. ICUIS 2021. Smart Innovation, Systems and Technologies*, vol 302. **Springer**, Singapore. https://doi.org/10.1007/978-981-19-2541-2_4 (26.07.2022)
13. Akash. S, Abubacker. T, Dhakshayani. P, **Anuradha. T**, Priya. P, **2022**, 'Power Management On A Fuzzy Base Small Scale Microgrid Based On Hybrid Wind And Solar Battery' **IEEE Xplore**, DOI: 10.1109/ICAC3N53548.2021.9725461 (**SCOPUS**)
14. Hema Priya V, Anuradha. T, Priya. P, Saravanan S, **2022**, 'Bi-Directional Flyback DC-DC Converter For Solar PV- Battery Charger System' **IEEE Xplore**, DOI: DOI: 10.1109/CCGE50943.2021.9776460 (**SCOPUS**)
15. P. Chandra Babu, D.S. Naga Malleswara Rao, B. Venkata Prasanth, Gireesh Kumar D, **Anuradha T**, Priya P, **2022**, 'Performance Comparison of Various SPV Module Connections in Partial Shading Conditions' **IEEE Xplore**, DOI: 10.1109/ICSSS54381.2022.9782189 (**SCOPUS**) (**01.06.23**)
16. Shanmugasundaram, **T Anuradha**, Sakinala Govardhan, Vishal Moyal, V Raja Kumar, Bandukula Tirupathi Kumar, **2022**, 'Bidirectional Smart Grid Communication Platform with Network Devices: A Case Study' **IEEE Xplore**, DOI: 10.1109/ICAECA52838.2021.9675544 (**SCOPUS**) (**18.01.22**)

17. Upinder Kaur, **Anuradha T**, Paparao Nalajala, Sankararao Majji, Sushma Jaiswal, Dinesh Jamthe, **2022**, 'Broadcasting of IoT-Connected Autonomous Vehicles in VANETs Using Artificial Intelligence', **IEEE Xplore**, DOI: [10.1109/ICECA52323.2021.9676127](https://doi.org/10.1109/ICECA52323.2021.9676127) (SCOPUS)
18. A. Geetha Devi, Rajendar Sandiri, **T Anuradha**, Bijaya Bijeta Nayak, Rajeeb Kumar Sahu, M Thenmozhi, **2022**, 'Optimization Strategies for High-Speed Electrical Trains Based on Artificial Intelligence for Cost and Energy Reduction', **IEEE Xplore**, DOI: [10.1109/ICEARS53579.2022.9752006](https://doi.org/10.1109/ICEARS53579.2022.9752006) (SCOPUS)
19. A Geetha Devi, **Anuradha T**, Rabinarayan Satpathy, Malabika Nayak, M Reka, Prakash Kumar Mohapatra, **2022**, 'Prediction of Maintenance Time and IoT Device Failures using Artificial Intelligence', **IEEE Xplore**, DOI: [10.1109/ICAECT54875.2022.9808060](https://doi.org/10.1109/ICAECT54875.2022.9808060) (SCOPUS)(01.july.2022)
20. T Subha Mastan Rao, **T Anuradha**, Upinder Kaur, M Sundar Rajan, Tulasi Radhika Patnala, V Raja Kumar, **2022**, 'Machine Learning for the Assessment of Transient Stability of Power Systems', **IEEE Xplore**, DOI: [10.1109/ICICCS53718.2022.9788363](https://doi.org/10.1109/ICICCS53718.2022.9788363) (SCOPUS)(08.june 2022)
21. P. Priya, **Anuradha. T**, V. Vasana Prabhu, S. Saravanan, **2021**, 'Improving the Performance Efficiency of Village Pond Cleaner Using Arduino in the Basis of Bluetooth Controlled Process' **IEEE Xplore**, DOI: [10.1109/ICESC51422.2021.9532762](https://doi.org/10.1109/ICESC51422.2021.9532762) (SCOPUS)
22. **T. Anuradha**, P. Deiva Sundari, **2018**, "A Multi Objective Control Strategy based Power flow Management of PV System for remote Power solutions" **IEEE Xplore**, DOI: [10.1109/PEDES.2018.8707851](https://doi.org/10.1109/PEDES.2018.8707851)
23. **T. Anuradha**, P. Deiva Sundari, Sanjeevikumar Padmanaban, Pierluigi Siano, Zbigniew Leonowicz, **2017**, 'Comparative Analysis of Common MPPT Techniques for Solar PV System with Soft Switched, Interleaved Isolated Converter' **IEEE Xplore**, DOI: [10.1109/EEEIC.2017.7977885](https://doi.org/10.1109/EEEIC.2017.7977885)
24. **T. Anuradha**, Sree Ranjini K.S, Joel Jose, Vasana Prabhu and S. Sakthivel, **2014**, "Development of a Brushless AC Servo Drive for the Tube Locator Module for Steam Generator Tube Inspection Device" **ELSEVIER International Conference on Structural Integrity**, (ICONS), Procedia Engineering vol 86, pp.511 – 519 <https://doi.org/10.1016/j.proeng.2014.11.075>
25. **T. Anuradha**, Sree Ranjini K.S, Joel Jose, Vasana Prabhu and S. Sakthivel, **2014**, 'Modeling and simulation of PMSM drive for remote inspection of steam generator tubes in PFBR', **IEEE Xplore** DOI - [10.1109/ICEES.2014.6924152](https://doi.org/10.1109/ICEES.2014.6924152)
26. **Anuradha, T** & Senthilkumar, V **2013**, 'Design and Analysis of High Efficiency Soft Switched Interleaved Flyback Converter', **IEEE Xplore**. DOI - [10.1109/ICPEC.2013.6527675](https://doi.org/10.1109/ICPEC.2013.6527675)

IEEE SPONSORED CONFERENCES PUBLICATIONS

1. Babitha Dhas P.G, **T.Anuradha**, **2015**, 'Model Predictive Control With Adaptive Current Control Mode Strategy for Dc-Dc Boost Converter', in **IEEE sponsored International**

Conference on Science, Technology, Engineering and Management –Power Electronics Instrumentation and Communication Engineering, vol. 1, pp.357-361

2. Vijaya Saraswathi, R.J, **Anuradha, T** & Senthilkumar, V **2012**, ‘Design aspects of soft switched interleaved DC-DC boost converter’, **IEEE sponsored 5th National Conference** on Innovative Techniques in Power Engineering and Drives (**ITPED’12**), pp. 126-130.
3. Nalini, S, **Anuradha, T** & Senthilkumar, V **2012**, ‘A Novel Topology of Soft switched interleaved flyback converter’, **IEEE sponsored 5th National Conference** on Innovative Techniques in Power Engineering and Drives (**ITPED’12**), pp. 76-81.
4. **T.Anuradha**, Priyadharshini.T.S, Annupriya.V, **2010**, “A Zero Voltage-Switching Based Bidirectional Dc-Dc Converter Design ” at **International conference** on Advances in Energy Conversion Technologies (**ICAECT 2010**) at Manipal University, Karnataka in 7th to-10th June, 2010, pp 256 -261
5. M.Sundar, **T.Anuradha**, **2009** “ Genetic algorithm based optimization of the controllers for cuk converter ” at **International conference** on Electrical Energy System and Power Electronics in Emerging Economics (**ICEESPEE’09**) at SRM University, in 16th to-17th Apr, 2009, pp 194 -198
6. **T.Anuradha**, R.Indumathi, K.Ramya, **2008** “Biomedical signal acquisition (ecg, heart rate) via zigbee modem” at **International conference** on Power Electronics and Power Systems (**POWERCOIN’08**) at Sona College of Technology, Salem in 20th &21st March, 2008, pp 58 - 64
7. Somasundaram. P, **Anuradha.T**, **2006**, “Evolutionary Programming Based Decentralized Implementation of OPF on Network of Computers in **14th National Power system conference NPSC – 06 at IIT Roorkey** under the theme of “AI & Evolutionary Techniques applied to Power System” in 2006, pp 113 - 120