

Faculty Profile

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|---|---------------------------|---|
| 1. Name | Dr. M.Vijayakumar |  |
| 2. Designation | Professor | |
| 3. Date of Joining | 17.06.2009 | |
| 4. Specialization | Power Systems Engineering | |
| 5. Academic Qualification | M.E., Ph.D. | |
| 6. Domain Mail ID | Vijayakumar1@ksrce.ac.in | |
| 7. Experience Details(Chronological) | | |
| Teaching: 23 Yrs | Industry: 01 Yr | |

1. Experience & Promotion Details:

| S. No. | Name of the Organization | Designation | Period | |
|--------|---|---------------------|--------------------------|--------------------------|
| | | | From | To |
| 1. | K.S.R. College of Engineering | Professor | 02.01.2016 | Till date |
| 2. | K.S.R. College of Engineering | Associate Professor | 01.07.2012 | 01.01.2016 |
| 3. | K.S.R. College of Engineering | Assistant Professor | 01.07.2010 | 30.06.2012 |
| 4. | K.S.R. College of Engineering | Lecturer | 17.06.2009 | 30.06.2010 |
| 5. | Kongu Polytechnic College, Perundurai, Erode District | Lecturer & HOD | 04.02.2003 | 25.08.2007 |
| 6. | The Kavery Polytechnic College, Mecheri, | Lecturer | 04.05.2001 06.12.1998 | 03.02.2003 30.04.2000 |
| 7. | Mettur Thermal Power Station, Mettur Dam, Salem District. | Graduate Apprentice | 02.05.2000 | 01.05.2001 |

2. Publication Details:

| S. No. | *National Level | | *International Level | | Google Scholar Citations: 302 |
|--------|-----------------|---------------|----------------------|---------------|-------------------------------|
| | Journal(s) | Conference(s) | Journal(s) | Conference(s) | h-index : |
| 1 | - | 09 | 35 | 22 | 12 |

| Google scholar id | Orcid id | Scopus id | Researcher id |
|---|---|---|---|
| https://scholar.google.co.in/citations?user=mYqCiXsAAAAJ | https://orcid.org/0000-0001-5224-6983 | https://www.scopus.com/authid/detail.uri?authorId=56435729300 | https://www.webofscience.com/wos/author/rid/AAS-9550-2021 |

3. Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other:

| S. No. | Title of the Proposal | Funding Agency Details | Date &Duration | | Amount Sanctioned |
|--------|--|------------------------|----------------|------------------|-------------------|
| | | | From | To | |
| 1. | Artificial Intelligence's Potential Applications In Energy Management And Energy Storage Systems: A Technological Revolution | AICTE | 09.09.2024 | to 14.09.2024 | 3.5 Lakhs |

4. Funded Research Projects:

| S. No. | Title of the Project | Name of the Funding Agency | Amount Sanctioned (Rs.) | Role |
|--------|---|-------------------------------------|-------------------------|--|
| 1. | Improved high voltage gain multi-port switched Quasi Z-source DC-DC converter for the Integration of renewable energy sources | Ministry of Education, Saudi Arabia | 27.5 Lakhs | Consultant for International Collaborated Research |

5. Detail of Book/Book Chapter Published:

| S. No. | Title of the Book | Author(s) | Name & Address of the Publisher | Year of Publishing | ISBN No |
|--------|---------------------------------|---|---|--------------------|---------------|
| 1. | Measurement and Instrumentation | Dr.M .Vijayakumar Dr. V. Arun, Dr. S.Ramesh Dr.M.Ramasamy Dr.S.Senthilkumar | Scientific international publishing house, Tamilnadu, India | 2022 | 9789356254008 |
| 2. | Electric Vehicle Technology | Dr.M.Vijayakumar, Dr.S.Dhanapal, K Balasubramanian, Dr.N. Subramanian, Dr.P.M.Balasubramaniam | Scientific international publishing house, Tamilnadu, India | 2024 | 9789361324901 |
| 3. | Sensors and Transducers | Dr.V.Ravi, Dr. R. Sankar Ganesh, Dr. E.Geetha, Dr.M.Vijayakumar C. Suresh | Scientific international publishing house, Tamilnadu, India | 2024 | 9789361325762 |

6. Patents Filled:

| S. No. | Patent Application No. | Title of Invention | Date of filing | Date of Published/Granted |
|--------|------------------------|--|----------------|---------------------------|
| 1. | 202441029336 A | Wireless Charging System For Electric Vehicle | 11/04/2024 | 19/04/2024 |
| 2. | 397631-001 | Wind and solar power charging Station for E vehicle | 14/10/2023 | 27/12/2023 |
| 3. | 397634-001 | IOT Based Automated Rail Track Inspection Trolley | 14/10/2023 | 08/12/2023 |
| 4. | 395641-001 | Compact Finger Wearable Mouse | 21/09/2023 | 08/11/2023 |
| 5. | 395642-001 | Solar Power Air Pollution Detecting Billboard | 21/09/2023 | 02/11/2023 |
| 6. | 6308687 (UK Patent) | Exam Invigilation Drone | 08/09/2023 | 18/09/2023 |
| 7. | 6308755 (UK Patent) | Sensor Based Wearable Medical Monitoring Device | 08/09/2023 | 25/09/2023 |
| 8. | 6309099 (UK Patent) | Floating Wind-Powered Aerator System For Ponds And Lakes | 08/09/2023 | 18/09/2023 |
| 9. | 202241032168 A | Solar based wireless power transmitter | 06/06/2022 | 10/06/2022 |
| 10. | 201841038947 | Vehicle Braking System in Hill Station | 14/10/2018 | 14/10/2018 |

7. Consultancy Activities (Industry):

| S. No. | Title of the Project | Name of the Company | Consultant Amount Received |
|--------|---------------------------------|---|----------------------------|
| 1. | Energy Audit in Textile Mill | Maha Ganapathy Tex | Rs. 30,000 |
| 2. | Energy Auditing in Textile Mill | Vanitha Tex Tiruchengode TK, Namakkal (Dt) - 637209 | Rs. 70,000 |

8. Professional Recognition/Award/Prize, Fellowship/Internship received etc:

| S. No. | Name of Award/Fellowship/Internship | Awarding Agency |
|--------|-------------------------------------|---|
| 1. | Award of Excellence in Research | Novel Research Academy, Puducherry, India |
| 2. | Best Paper Presentation | ISTE, Tamilnadu & Pondy Section |

9. Membership in Professional Bodies:

- Indian Society for Technical Education (ISTE) - Life Member (LM 51014)
- IAENG membership number is: 220799

10. Social media details:

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|------------------------------|----------------------------|
| LinkedIn Profile Link | dr-vijayakumar-m-124a12291 |
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11. Areas of Interest:

- ✓ Renewable Energy Systems
- ✓ Power quality improvement
- ✓ Power Electronics converter
- ✓ Intelligent Control techniques
- ✓ Energy Management System

List of Publications

International Journal: 35

01. P. Sundaramoorthy, A. Vijayakumar, K. Rajkumar, J. Ponnusamy, G. Chandrasekaran and **Vijayakumar Madhaiyan**, "Impacts of Laminating Core Materials on Permanent Magnet Synchronous Motor by Newton–Raphson Method," **IEEE** Canadian Journal of Electrical and Computer Engineering, doi: 10.1109/ICJECE.2024.3370973. [Indexed in SCI, SCOPUS, Impact factor: 2.](#)
02. Kanagaraj. N, Ramasamy. **M, Vijayakumar.** M and O. Aldosari, "Design of an Extendable High Boost Multi-Port Z-Network Converter for Small Power Grid-Connected PV Applications," **IEEE** Open Journal of Power Electronics, doi: 10.1109/OJPEL.2024.3386023. [Indexed in SCI, SCOPUS, Impact factor: 5.8.](#)
03. N. Kanagaraj, **M. Vijayakumar**, M. Ramasamy and O. Aldosari 2024, 'Photovoltaic-Based q-ZSI STATCOM with MDNESOGI Control Scheme for Mitigation of Harmonics', *Energies*, vol.17, no. 2, pp. 534. <https://doi.org/10.3390/en17020534>. [Indexed in SCI, SCOPUS, Impact factor: 3.2.](#)
04. N., Kanagaraj, Ramasamy M., **Vijayakumar M.**, and Obaid Aldosari 2023, 'Experimentation of Multi-Input Single-Output Z-Source Isolated DC–DC Converter-Fed Grid-Connected Inverter with Sliding Mode Controller', *Sustainability*, vol.15, no. 24, pp. 16875. <https://doi.org/10.3390/su152416875>. [Indexed in SCI, SCOPUS, Impact factor: 3.88.](#)
05. N. Kanagaraj, **M. Vijayakumar**, M. Ramasamy and O. Aldosari 2023, 'Energy Management and Power Quality Improvement of Hybrid Renewable Energy Generation System Using Coordinated Control Scheme', **IEEE** Access, vol. 11, pp. 93254-93267, doi: 10.1109/ACCESS.2023.3299035. [Indexed in SCI, SCOPUS, Impact factor: 3.9.](#)

06. N Kanagaraj, Obaid Martha Aldosary, M Ramasamy, **M Vijayakumar** 2023, 'Enhanced Perturb and Observe Control Algorithm for a Standalone Domestic Renewable Energy System', *Intelligent Automation & Soft Computing*, vol 37, no. 2pp. 2291–2306. [Indexed in SCI, SCOPUS, Impact factor: 0.734.](#)
07. K. Rajesh Kumar & **M. Vijayakumar** 2022, 'Optimization of Cognitive Femtocell Network via Oppositional Beetle Swarm Optimization Algorithm', *Intelligent Automation & Soft Computing*, vol. 36, no.1, pp.819-832, DOI: 10.32604/iasc.2023.030961. [Indexed in SCI, SCOPUS, Impact factor: 3.401.](#)
08. Vijayakumar Arun, R Kannan, S Ramesh, **M Vijayakumar**, PS Raghavendran, M Siva Ramkumar, P Anbarasu, Venkatesa Prabhu Sundramurthy, 'Review on Li-Ion Battery vs Nickel Metal Hydride Battery in EV, *Advances in Materials Science and Engineering*, 2022, <https://doi.org/10.1155/2022/7910072>. [Indexed in SCI, SCOPUS, Impact factor: 2.098.](#)
09. A. Raja, **M. Vijayakumar** and C. Karthikeyan 2022, "Solar photovoltaic interconnected ZSI-unified power quality conditioner to enhance power quality" *Bulletin of The Polish Academy of Sciences Technical Sciences*, Vol. 70, No. 1, 2022, pp. e140015, , Indexed in SCI, SCOPUS, [Impact factor: 1.662](#), DOI: <https://doi.org/10.24425/bpasts.2022.140015>.
10. **M.Vijayakumar** & S.Parthiban 2020, "Experimental Validation of Solar PV sustained ZSI based Unified Active Power Filter for Enrichment of Power Quality" *Automatika: Journal for Control, Measurement, Electronics, Computing and Communications* (Taylor & Francis), Vol. 62, No. 1, pp. 137-153, [Indexed in SCI, SCOPUS, COMPENDEX, Impact factor: 1.156.](#)
11. Muthuvel, K & **Vijayakumar, M** 2020, 'Solar PV Sustained Quasi Z-Source Network- Based Unified Power Quality Conditioner for Enhancement of Power Quality', *Energies*, Vol. 13, no. 10, pp. 2657. [Impact Factor: 3.004. DOI: https://doi.org/10.3390/en13102657](#)
12. R.Velumani & **M.Vijayakumar** 2019, "IoT based Prudent Automatic Falls Detection for Elders by Analyzing Carrier State Information (CSI) Employing WiFi Devices" *Wireless Personal Communications*, (Springer), Vol.113, pp. 1-16, [Indexed in SCI, SCOPUS, COMPENDEX, Impact factor: 1.671.](#)
13. **Vijayakumar, M** & Vijayan, S 2015, "Extended reference signal generation scheme for integration of UPQC in grid connected PV system" *Electric Power Components and Systems* (Taylor & Francis), Vol.43, no.8-10, pp. 914-927. [Indexed in SCIE, SCOPUS, COMPENDEX, Impact factor: 1.07, H Index: 47.](#)
14. **Vijayakumar, M** & Vijayan, S 2014, 'Experimental Verification of Photovoltaic-based Three-phase Four-wire Series Hybrid Active Power Filter', *Electric Power Components and Systems* (Taylor & Francis), Vol.42, no.13, pp. 1356-1370. [Indexed in SCIE, SCOPUS, COMPENDEX, Impact factor: 1.07, H Index: 47.](#)
15. **Vijayakumar, M** & Vijayan, S 2014, 'Design and implementation of PV-based three-phase four-wire series hybrid active power filter for power quality improvement', *Sadhana-Academy Proceedings in Engineering Sciences* (Springer), Vol.39, no.4, pp.859-877. Indexed in SCIE, SCOPUS, INSPEC, [Impact factor: 1.188, H Index: 46.](#) DOI: <https://doi.org/10.1007/S12046-014-0253-6>.

16. **Vijayakumar, M** & Senguttuvan, S 2018, 'Solar Photovoltaic System Interfaced Shunt Active Power Filter For Enhancement of Power Quality in Three-Phase Distribution System', Journal of Circuits, Systems, and Computers (World Scientific), Vol. 27, No. 11, pp. 1850166(27 pages). [Indexed in SCIE, SCOPUS - Impact factor: 1.363](#), H Index: 27. DOI: 10.1142/S0218126618501669.
17. **Vijayakumar, M**, Velumani, R & Ramasamy, M 2018 'Tele Alert System for Epileptic Seizure on study of EEG Signal Classification by GBE- NLSVM through ICA Preprocessed and AR Extracted signal in BCI System", Journal of Testing and Evaluation(ASTM International), Vol.46, no.2, pp.469-484, [Indexed in SCI, SCIE, SCOPUS, Impact factor: 1.264](#). DOI: <https://doi.org/10.1520/JTE20160271>.
18. Velumani, R & **Vijayakumar, M** 2018 "Prudent Automatic Falls Detection by Analyzing Carrier State Information (CSI) Signal Using Wi-Fi Devices" Journal of Testing and Evaluation(ASTM International), Vol.47, no.4, pp.1-18. [Indexed in SCI, SCIE, SCOPUS, Impact factor: 1.264](#). DOI: 10.1520/JTE20170433.
19. **Vijayakumar, M** & Ramasamy, M 2016 "Performance Evaluation of UPQC for Interconnecting Photovoltaic Systems to the Electric Grid" Journal of Testing and Evaluation(ASTM International), Vol.42, no.13, pp.1600-1616, July 2016. [Indexed in SCI, SCIE, SCOPUS, Impact factor: 1.264](#), DOI: <https://doi.org/10.1520/JTE20140474>.
20. **Vijayakumar, M** & Vijayan, S 2014, 'Photovoltaic Based Three-Phase Four-Wire Series Hybrid Active Power Filter for Power Quality Improvement', Indian Journal of Engineering and Material Sciences, Vol.21, no.4, pp.358-370. [Indexed in Ind Sci Abstr, Cambridge Sci Abstr-Impact factor: 0.521](#).
21. **Vijayakumar, M** & Vijayan, S 2014, 'Three-Phase Four-Wire PV based Series Hybrid Active Power Filter for Power Quality Improvement', Journal of Circuits, Systems, and Computers (World scientific), Vol.23, no.10, pp.1450144(22 pages). [Indexed in SCIE, SCOPUS-Impact factor: 1.363](#). DOI: <https://doi.org/10.1142/S0218126614501448>.
22. **Vijayakumar, M** & Vijayan, S, "Photovoltaic interfaced Three-phase Four-Wire UPQC with Extended reference current generation scheme", Australian Journal of Electrical & Electronics Engineering (Taylor & Francis), Vol. 12, No. 2, pp.94-112. Indexed in EI Compendex, EBSCOhost, SCOPUS, H Index: 14. DOI: 10.3316/informit.282442708747527.
23. **Vijayakumar, M** & Ramasamy, M 2015, "A Novel Reference Current Generation Method of PV based Three-Level NPC Shunt Active Power Filter" U.P.B. Sci. Bull., Series C, Vol. 77, no. 3, pp.235-250. Indexed in SCOPUS, Elsevier Sciences' Bibliographic Databases - H Index: 12.
24. **Vijayakumar, M** & Vijayan, S 2014, 'PV Based Three-Level NPC Shunt Active Power Filter with Extended Reference Current Generation Method', International Journal of Electrical Energy, Vol. 2, no.4, pp.258-267. Indexed in EI(INSPEC, IET), Ulrich's Periodicals Directory. DOI: DOI:10.12720/ijjee.2.4.258-267
25. **Vijayakumar, M** & Vijayan, S 2014, " A Novel Control of Three-Phase Four-Wire Shunt Hybrid Active Filter for Grid-Connected PV System" Australian Journal of Basic and Applied Sciences, Vol.8, no.1, pp.291-300.

26. **Vijayakumar, M** & Vijayan, S 2013, "A Comparative Study and Implementation of Controller for UPQC in Single-Phase to Three-Phase System" *International Journal of Engineering and Technology*, Vol.5, no.5, pp.3846-3857.
27. **Vijayakumar, M** & Vijayan, S 2014, 'Design and Implementation of Photovoltaic based UAPF in Single-Phase to Three-Phase System', *Journal of Engineering and Interdisciplinary Research*, Vol.1, no.1, pp.9-17.
28. **Vijayakumar, M** & Deepika R 2015, 'Photovoltaic System Based UPQC In Single- Phase to Three-Phase System', *International Journal of Applied Engineering Research*, Vol.10, no.20, pp.16711-16717.
29. **Vijayakumar, M** & Anandkumar T 2017, 'Automated Node Network Interface using COAP Technique with RF module', *CiiT International Journal of Wireless Communication*, Vol.1, no.1, pp.9-17.
30. **Vijayakumar, M** & Anandkumar T 2017, 'Automatic Node Network Interface Using RF Module with Time Synchronization Technique', *Wireless Communication*, Vol.9, no.2, pp.29-33.
31. **Vijayakumar, M** & Arun Babu K 2014, "Analysis of Four Quadrant Operation of BLDC Motor with the Implementation of FPGA" *International Journal of Innovative Research in Science, Engineering and Technology*, Vol.3 Spl. Issue no.1, pp.976-983.
32. **Vijayakumar, M** & Gokila D 2012 "Mitigation of Harmonics in Single-Phase to Three- Phase System Using UPAF", *Bonfring International Journal of Power Systems and Integrated Circuits*, Vol.2, spl. Issue no.1, pp.39-44.
33. **M.Vijayakumar**, NandhaBalaji L, Nivashini M & Ajithkumar M 2020, "Child Rescue From Borewell Using Robotic System", *International Journal of New Innovations in Engineering and Technology*, Spl issue, pp. 24-27.
34. **M.Vijayakumar**, R.Prasanth, T.Kavin, R.Balakrishnan & S.Aravinth 2020, "Purification of Air in the Environment Using Filtering Process With Electric Power Generation, *International Journal of New Innovations in Engineering and Technology*, Spl issue, pp. 108-112.
35. **M.Vijayakumar**, K. Rajeshwari , R. Raju , R. Kumar 2024, "Enhanced Speed Control Of BLDC Motor Using Dwarf Mongoose Optimizer, *International Journal of Innovative Research in Technology*, vol. 10, no.12, pp. 1484-1488.

National & International Conference: 31

1. **M. Vijayakumar**, M. Ramasamy, T. Jeyakumar, S. Dhivagar, V. Arun and R. Hemalatha, "Vehicle Accident Detection and Locating Using GSM and GPS," *2024 International Conference on Communication, Computing and Internet of Things (IC3IoT)*, Chennai, India, 2024, pp. 1-5, doi: 10.1109/IC3IoT60841.2024.10550407. [Scopus Indexed](#).
2. S. Ramesh, **Vijayakumar Madhaiyan** and V. Arun, "Evaluating the Effectiveness of the TAR Pulse Width Modulation Strategy for a 7-Level Inverter with Non-Uniform Source Voltages," *2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI)*, Tiruchengode, India, 2023, pp. 1-6, doi: 10.1109/ICAEECI58247.2023.10370857. [Scopus Indexed](#).

3. **Vijayakumar Madhaiyan**, R. Murugesan, G. Sivasubramanian, V. Muniyan, V. Arun and S. Prabhu, "Sixty Degree PWM Controlled 7-Level Inverter Utilizing Binary Input," 2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI), Tiruchengode, India, 2023, pp. 1-7, doi: 10.1109/ICAEECI58247.2023.10370833. [Scopus Indexed](#).
4. **Vijayakumar Madhaiyan**, R. Murugesan, V. Arun and S. Prabhu, "Nine Switch Dual Input 9- Level Inverter (NSDI9LI) with Inherent AC Voltage Generation Ability," 2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI), Tiruchengode, India, 2023, pp. 1-5, doi: 10.1109/ICAEECI58247.2023.10370814. [Scopus Indexed](#).
5. **Vijayakumar Madhaiyan**, R. Murugesan, S. Sengottaiyan, V. Muniyan, A. Vijayakumar and P. Sundaramoorthy, "Analysis of Performance for Multilevel Inverters Utilizing Different Pulse Width Modulation Techniques," 2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI), Tiruchengode, India, 2023, pp. 1-7, doi: 10.1109/ICAEECI58247.2023.10370780. [Scopus Indexed](#).
6. S. Senthilkumar, **Vijayakumar Madhaiyan**, V. Arun, E. Kannan, S. Gowtham and S. Prabhu, "Analysis on Various Core Materials and Magnets for Electric Vehicle Applications," 2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI), Tiruchengode, India, 2023, pp. 1-6, doi: 10.1109/ICAEECI58247.2023.10370773. [Scopus Indexed](#).
7. **Dr.M.Vijayakumar** and K.Rajeshwari, "Enhanced Speed Control of BLDC Motor Using Dwarf Mongoose Optimizer", National Conference on Multidisciplinary Research and Innovations in Engineering and Technology (MRIET-2024), Knowledge Institute of Technology, Salem on 6 th April 2024.
8. **Dr.M.Vijayakumar** and K.Rajeshwari, "Enhanced Speed Control of BLDC Motor Using Dwarf Mongoose Optimizer", International Conference on Applied Science Engineering & Technology, Senguthar Engineering college, Tiruchengode on 5 th & 6 th April 2024.
9. **Vijayakumar, M**, 'Vehicle Accident Detection and Locating using GSM and GPS' International Conference on science, Technology, Engineering and mathematics, Organized by Janson Institute of Technology, Coimbatore, on 26th May 2022.
10. **Vijayakumar, M**, 'Child Rescue from Borewell Using Robotic Arm' International Conference on Engineering and Technology (ICET – 2020), pp.1-6, Organized Selvam College of Technology, Namakkal, on 4th March 2020.
11. **Vijayakumar, M**, 'Purification of Air in the Environment Using Filtering Process with Electric Power generation' International Conference on Engineering and Technology (ICET – 2020), pp.1-6, Organized Selvam College of Technology, Namakkal, on 4th March 2020.
12. **M.Vijayakumar**, "Minimization of Leakage Current in Cascaded multilevel H-bridge" International Conference at AL-Ameen College of Engineering, Erode, on 23-03-2019.
13. **M.Vijayakumar**, and T.Anandkumar, "Automated Node Network Interface using RF module with Time synchronization Technique" International Conference on Convergence for Trends in Technology, April 2017.

14. **M.Vijayakumar**, and T.Anandkumar, "Automated Node Network Interface using COAP Technique with RF module" International Conference on Contemporary Topics in Power Engineering and Aiding Technologies, February 2017.
15. **M.Vijayakumar** and Kiruthika, "Photovoltaic System Interfaced UPQC in single- Phase To Three-Phase System For Power Quality Improvement" Recent advances in Power Electronics, Embedded and Renewable Energy Systems organized by K.S.R.College of Engineering College, Tiruchengode, 12th March 2015.
16. **M.Vijayakumar**, and Deepika R, "Photovoltaic System Based UPQC in Single-Phase To Three-Phase System" IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems, ICIIECS'15 organized by Karpagam College of Engineering, Coimbatore, 19&20th March 2015.
17. **M.Vijayakumar** and Kiruthika M, "Dual Unified Power Quality Conditioner for Three- Phase Four-Wire Distribution System" International Conference in Synergistic Evolutions in Engineering organized by Surya Engineering College, Erode, 4&5th March 2015.
18. **M.Vijayakumar** and Kiruthika, "Dual Unified Power Quality Conditioner for Three- Phase Four-Wire Distribution System" International Conference on Innovative Strategies in Renewable Energies and its Applications ISREA '15 organized by Sona College of Technology, Salem, 5&6th March 2015.
19. **M.Vijayakumar** and Kiruthika, "Photovoltaic System Interfaced UPQC in single- Phase To Three-Phase System" National Conference on Recent Trends in Electrical Science, Institute of Road and Transport Technology, Erode, 26th Feb 2015
20. **M.Vijayakumar**, and Arun Babu K, "Analysis of Four Quadrant Operation of BLDC Motor with the Implementation of FPGA" International Conference on Engineering Technology and Science-(ICETS'14) organized by Muthayammal College of Engineering, Rasipuram, 10th -11th February 2014.
21. **M.Vijayakumar**, and Santhoshkumar, "UPQC Based Photovoltaic for Three-Phase four-wire Distribution Systems" International Conference in Mechanical and Energy Engineering-ICAMEE-2013 organized by Dr.MGR Educational and Research Institute University, Chennai-95 on 4th and 5th April 2013.
22. **M.Vijayakumar**, and Santhoshkumar, "Photovoltaic based UPQC for Three-Phase four-wire Distribution Systems" International Conference-EMICS'2013 organized by Maria College of Engineering and Technology, Kanniyakumari on 15th and 16th February 2013.
23. **M.Vijayakumar**, and D.Gokila, "Harmonic Suppression Scheme For Single Phase To Three Phase System Using UAPF", International Conference on Recent Trends in Computational Methods, Communication and Controls, ICON3C'12, held at Government College of Engineering, Tirunelveli on 4th April 2012.
24. **M.Vijayakumar**, and D.Gokila, "Comparative study of controller for UAPF for single phase to three phase system", National Conference MKCE-CONFLUENCE-12 held at M.Kumarasamy College of Engineering, Karur on February 25, 2012.

25. **M.Vijayakumar**, and D.Gokila, "Mitigation of Harmonics in Single Phase to Three Phase System Using UPAF" National Conference on Communication Technology Interventions for Rural and Social Development (NCCTIRD – 2012) held at Sri Krishna College of Technology, Coimbatore on 16th to 17th February 2012.
26. **M.Vijayakumar**, and T.Manojkumar "Z-source Inverter for Residential Photovoltaic System", National Conference on Emerging Trends in Power Systems held at Sasurie College of Engineering, Vijayamangalam on February 25, 2011.
27. **M.Vijayakumar**, and Prof.C.Eswarlal, Design of new Harmonic mitigator for Three- phase Distribution System" International Conference on Control Automation, Communication & Energy Conservation-2009 organized by Kongu Engineering College, Perundurai held on 4th to 6th June 2009, pp. 497-503.
28. **M.Vijayakumar**, and Prof.C.Eswarlal, "Mitigation of Harmonics in Three-Phase Four-Wire Distribution Systems- A Combined System of Shunt Passive and Series Active Filters", International Conference on Electrical Energy Systems & Power Electronics in Emerging Economics", SRM University, Chennai, 16th -17th April 2009.
29. **M.Vijayakumar**, and Prof.C.Eswarlal, "Mitigation of Harmonics in Three-Phase Four- Wire Distribution Systems- By Using a Hybrid Active Filter", Proceedings of the National Conference on "N3CT-2009", Surya Engineering College, 21st March 2009.
30. **M.Vijayakumar**, and Prof.C.Eswarlal, "Mitigation of Harmonics in Three-Phase Four- Wire Distribution Systems-A Combined System of Shunt Passive and Series Active Filter", Proceedings of the National Conference on POC-2009, Annamalai University, 14th &15th March 2009.
31. **M.Vijayakumar**, and Prof.C.Eswarlal "Harmonic Suppression Scheme for Three- Phase Four-Wire System", Proceedings of the National Conference on NCPED-2009, SASTRA University, Kumbakonam, 6th March 2009.