



K.S.R. College of Engineering, Tiruchengode –637215.

Department of Electrical and Electronics Engineering

Faculty Profile

1. Name	Dr.M.Ramasamy	Photo
2. Designation	Associate Professor	
3. Date of Joining	03.12.2008	
4. Specialization	Power Quality	
5. Academic Qualification	Ph.D.	
6. Domain Mail ID	ramasamy@ksrce.ac.in	
7. Experience Details (Chronological)	16 Years & 6 Months	
Teaching: 16 Years & 6 Months	Industry: NIL	

Experience & Promotion Details

S. No.	Name of the Organization	Designation	Period	
			From	To
1	K.S.R. College of Engineering, Tiruchengode	Associate Professor	01.07.2016	Till Date
2	K.S.R. College of Engineering, Tiruchengode	Assistant Professor	01.07.2010	30.06.2016
3	K.S.R. College of Engineering, Tiruchengode	Lecturer	03.12.2008	30.06.2010
4	Sengunthar Engineering College, Tiruchengode	Lecturer	08.01.2007	28.11.2008

09. Publication Details:-

S.No	*National Level		*International Level		Google Scholar Citations:
	Journal(s)	Conference(s)	Journal(s)	Conference(s)	h-index :
1	-	7	41	19	10

Google scholar id	Orcid id	Scopus id	Researcher id
Az0oMtsAAAAJ	0000-0001-9292-2528	57193958640	ABG-2483-2021

10. 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.	PMKVY - Maintenance Technician Electrical L4	AICTE	05.03.2018	To 26.10.2018	Rs. 478125 /-

11. 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	Deputyship for Research and Innovation, Saudi Arabia	125000 Riyal Rs. 2,795,169.95	Consultant

12. 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.MRamasamy Dr.S.Senthilkumar	Scientific International Publishing House	2022	978-93-5625-400-8
2.	Fundamentals of Electrical Vehicle	Dr.K.Sathiyasekar Dr.M.Ramasamy Dr.C.Santhakumar Dr.S.Premalatha	COSMOS Scientific Publications	2023	978-81-19359-04-2
3.	A Comprehensive Review on Single Axis Solar Tracking System Using Artificial Intelligence	Ms.V.Divya Prabha Dr.K.Sathiyasekar Dr.M.Ramasamy Dr.M.Akila Dr.M. Venkatesan Dr.N.Loganathan	IGI Global Publishing	2024	979-8-3693-3735-6
4.	Manual and Guidelines for Electrical Machines Laboratory	Dr.M.Vijayakumar Dr.MRamasamy Dr.C.Gowrishankar	Copy Rights	2020	L-92625/2020

13. Patents Granted : -

S.No	Patent Application No	Title of Invention	Date of Grant	Date of Expiry
1.	2021104730	Dual Windmill in Highway Power Generation	30.07.2021	30.07.2029
2.	2021102588	Touch Down Aviation and Thrust Powered Runway with IoT	15.05.2020	15.05.2029.

14. Patents Filled : -

S.No	Patent Application No	Title of Invention	Date of Application	Status
1.	201941004801	Wireless Vehicle Movement and Density Monitoring with Substitute Route Suggestion	07.02.2019	Published & Waiting for Examination
2.	201841036882	A Wheezing Detecting Device	28.09.2018	Published & Waiting for Examination

15. Consultancy Activities (Industry):-

S.No	Title of the Project	Name of the Company	Consultant Amount Received

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

S.No	Name of Award/Fellowship/Internship	Awarding Agency
-	-	-

16. Membership in Professional Bodies:-

- Indian Society for Technical Education (ISTE) - Life Member (TN1060044)
- IEEE Professional Member ID: 97777339

17. Social media details:-

LinkedIn Profile Link	linkedin.com/in/ramasamy-m-5a3a791a4
Instagram Profile Link	-
Facebook Profile Link	-
Youtube Profile Link	UCC9JiYdFqMiliNrwJjlzTsQ
Web Page (if any)	https://ksrce.irins.org/profile/258402

18. Areas of Interest:

Power Electronics, Power Converters, Power Quality, Multi-Level Inverters

List of Publications

International Journal: 41

1. N. Kanagaraj, M. Vijayakumar, M. Ramasamy and O. Aldosari, Photovoltaic-Based q-ZSI STATCOM with MDNESOGI Control Scheme for Mitigation of Harmonics. *Energies* **2024**, *17*, 534.
2. N. Kanagaraj, M. Vijayakumar, M. Ramasamy and O. Aldosari, "Energy Management and Power Quality Improvement of Hybrid Renewable Energy Generation System Using Coordinated Control Scheme," in *IEEE Access*, vol. 11, pp. 93254-93267, 2023, doi: 10.1109/ACCESS.2023.3299035.
3. Nallaiyagounder, K.; Madhaiyan, V.; Murugesan, R.; Aldosari, O. "Design of an Extendable High Boost Multi-Port Z-Network Converter for Small Power Grid-Connected PV Applications," in *IEEE Open Journal of Power Electronics*, vol. 5, pp. 534-553, 2024, doi: 10.1109/OJPEL.2024.3386023.
4. 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* 15, no. 24: 16875. <https://doi.org/10.3390/su152416875>
5. N. Kanagaraj, O. Aldosari, M. Ramasamy, and M. Vijayakumar "Enhanced Perturb and Observe Control Algorithm for a Standalone Domestic Renewable Energy System," *Intell. Automat. Soft Comput.* , vol. 37, no. 2, pp. 2291-2306. 2023. <https://doi.org/10.32604/iasc.2023.039101>
6. Hemalatha. R, and **Ramasamy, M.** Harmonics Extraction Scheme for Power Quality Improvement Using Chbmli-Dstatcom Module, *Intelligent Automation & Soft Computing*, Vol.35, No.2, pp. 1505-1525, 2023. **Impact Factor: 3.401** DOI: <https://doi.org/10.32604/iasc.2023.026301>
7. Ramkumar. M, and Ramasamy, M. Enhancement of wind energy harvesting scheme over wide wind velocity using induction generator and variable speed drive, *Journal of The Chinese Institute of Engineers*, Volume 45, Issue 4, pp. 293-303, 2022. **Impact Factor: 1.144**
DOI: <https://doi.org/10.1080/02533839.2022.2053788>
8. A. Sathik Basha and **M. Ramasamy**, Design of Z-Source Inverter-Based Dynamic Voltage Restorer Circuitry with R-SOGI Control Scheme for Enrichment of Power Quality, *Journal of Circuits, Systems, and Computers*, Vol. 29, No. 16 (2021) 2150195 (24 pages). **Impact Factor: 0.481**
DOI: <https://doi.org/10.1142/S0218126621501954>
9. S. Ramachandran, and **M. Ramasamy**, Solar Photovoltaic Interfaced Quasi Impedance Source Network Based Static Compensator for Voltage and Frequency Control in the Wind Energy System," *J. Electr. Eng. Technol.*, Vol. 16, pp.1253–1272, 2021. **Springer, Impact Factor: 1.069**
DOI: <https://doi.org/10.1007/s42835-021-00669-w>

10. T. Sivaprakasam and **M. Ramasamy**, Design of System Level Architecture of Multi-Core with Array Mapping Based on Floating Processing Factor-Fast Fourier Transform for Health Informatics Application, Journal of Medical Imaging and Health Informatics, Vol. 11, pp. 2639–2645, 2021. **Impact Factor: 0.659**
DOI: <https://doi.org/10.1166/jmihi.2021.3852>
11. Kumarasabapathy, N., Manoharan, P.S. and **M.Ramasamy, M.** “Experimental validation of solar panel integrated modified three-port active clamp flyback converter fed micro-inverter,” Semiconductor Science Technology, vol. 35, pp.105020 (15pp), 2020. **Impact Factor: 2.352**
DOI: <https://doi.org/10.1088/1361-6641/abaa5a>
12. Hemalatha. R, and **Ramasamy, M.** “Microprocessor and PI controller based three phase CHBMLI based DSTATCOM for THD mitigation using hybrid control techniques,” Microprocessors and Microsystems (Elsevier), Vol. 76, 103093, 2020. **Impact Factor: 1.525**
DOI: <https://doi.org/10.1016/j.micpro.2020.103093>
13. N. Kumarasabapathy, and **M. Ramasamy**, “Modified isolated power factor correction Cuk converter fed BLDC motor drive with Fuzzy Logic Controller for pumping applications,” Journal of the Chinese Institute of Engineers (Taylor & Francis), Vol. 43, No. 6, pp. 553-565, 2020. **Impact Factor: 1.144**
DOI: <https://doi.org/10.1080/02533839.2020.1777204>
14. Sathya Narayanan, T.K.S. **Ramasamy, M.** Chokkalingam, S, “Design Analysis and Experimentation of High Step-up, high efficiency isolated SPEPIC converter,” Journal of Electrical Engineering, Vol. 5, no. 6, pp. 1-6, 2020.
15. Gowrishankar, A and **Ramasamy, M.** “Experimental Validation of Solar Photovoltaic Based Unified Power Quality Conditioner with Modified Power Angle Control Scheme,” Journal of Testing and Evaluation, Vol. 48, Issue 1, pp. 428-451, Feb 2020. **Impact Factor : 0.877**
DOI: <https://doi.org/10.1520/JTE20180928>
16. Gowrishankar, A and **Ramasamy, M.** “SPV-Based UPQC with Modified Power Angle Control Scheme for the Enhancement of Power Quality,” Journal of Circuits, Systems, and Computers, Vol. 29, No. 4, 2050064 (41 pages), 2020. **Impact Factor : 1.333**
DOI: <https://doi.org/10.1142/S0218126620500644>
17. Kanagaraj. N, **Ramasamy. M,** Hegazy Rezk and Manesh. T, “Modified Bi-directional DC-DC Boost Converter Fed Three-Phase Four-Wire PV-DVR”, Journal of Testing and Evaluation, Vol. 48, Issue 4, pp. 1-29, 2018. **Impact Factor: 0.75**
DOI: <https://doi.org/10.1520/JTE20180111>

18. Velumani. R, Vijayakumar. M, and **Ramasamy. M**, “Tele Alert System for Epileptic Seizure on a Study of EEG Signal Classification by GBE-NLSVM Through ICA Preprocessed and AR Extracted Signal in a BCI System,” Vol.46, No.2, pp. 469-484, March 2018. **Impact Factor: 0.75**
DOI: <https://doi.org/10.1520/JTE20160271>
19. Vijayakumar, M. and **Ramasamy, M**. “Performance evaluation of UPQC for interconnecting Photovoltaic systems to the electric grid”, Journal of Testing and Evaluation, Vol. 44, No. 4, pp. 1-17, 2016. **Impact Factor: 0.721**
DOI: <https://doi.org/10.1520/JTE20140474>
20. Ramachandran.S, **Ramasamy, M**, Sathishkumar.S, Kamalakannan.T, “Efficient Controlled based wind Energy Conversion System using PMSG and ANIFIS Adaptive Maximum Power Tracking Control Algorithm”, International Journal of advanced research in electrical, electronics and Instrumentation Engineering, Vol.7, Issue 2, Feb 2018.
21. Ramachandran.S, **Ramasamy, M**, Radha Krishnan.K, “Maximum Power DFIG Control Algorithm using Interleaved and ANFIS Converter”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.7, Issue 2, Feb 2018.
22. Ramachandran.S, **Ramasamy, M**, Dinesh.G, “Wind Turbine System with an Auxiliary Parallel Grid-Side Converter using PMSG Wind Energy”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.7, Issue 2, Feb 2018.
23. *Bharatiraja Chokkalingam, J.L. Munda, T.K.S Sathayanarayanan, **Ramasamy M***, “Modeling, Impedance Design, and Efficiency Analysis of Battery Assists PV tied Quasi-Z source inverter”, International Journal of Power Electronics and Drive Systems, Vol. 7, No. 3, 2016. **SJR: 0.22**
DOI: <https://doi.org/10.11591/ijped.v7.i3.pp816-825>
24. Vijayakumar, M. and **Ramasamy, M** “A Novel Reference Current Generation Method of PV based Three Level NPC Shunt Active Power Filter”, U.P.C. Scientific Bulletin, Vol. 77, No. 3, pp. 235-250, 2015. **Impact Factor: 0.41**
25. Sharmila, S. and **Ramasamy, M**. “A Combined intercept and star line tracking algorithms for trabecular bone fracture analysis”, International Journal of Novel Research in Engineering & Pharmaceutical Science, pp. 32-39, 2015.
26. Nithya, K. and **Ramasamy, M**. “Modeling of Multi-input DC-DC converter for Renewable Energy Sources”, International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, Special Issue 1, pp. 970-975, Feb 2014.
27. Nithya, K. and **Ramasamy, M**. “Multi-input DC-DC converter for Renewable Energy Sources”, International Journal of Research in Engineering and Technology, Volume 3, Issue 7, pp. 714-719, 2014.

28. **Ramasamy, M.** and Thangavel, S. “Optimal Utilization of Hybrid Wind-Solar System as DVR for voltage regulation and Energy Conservation”, Journal of Circuits Systems and Computers, Vol. 23, No. 5, pp. 1-20, 2014. **Impact Factor: 0.595**
DOI: <https://doi.org/10.1142/S0218126614500625>
29. Piramanathan, P. and **Ramasamy, M.** “PV based Dynamic Voltage Restorer with Minimal Energy Control using Fuzzy”, International Journal of Engineering Sciences and Research Technology, 2(26), pp. 1636-1641, June 2013.
30. Piramanathan, P. and **Ramasamy, M.** “A New Minimal Energy Injection Control Strategy for Dynamic Voltage Restorer using Fuzzy Logic Controller”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 2, Issue 6, pp. 2669-2676, June 2013.
31. **Ramasamy, M.** and Thangavel, S. “Experimental verification of PV based Dynamic Voltage Restorer (PV-DVR) with significant energy conservation”, International Journal of Electrical Power and Energy Systems (**Elsevier**), Vol.49, pp.296-307, 2013. **Impact Factor: 4.854**
DOI: <https://doi.org/10.1016/j.ijepes.2013.01.018>
32. **Ramasamy, M.** and Thangavel, S. “Optimal Utilization of PV Solar System as DVR (PV-DVR) for a Residence or Small Industry”, Journal of Applied Science and Engineering, Vol.16, No.3, pp. 295-304, September 2013. **SNIP: 0.579**
DOI: <https://doi.org/10.6180/jase.2013.16.3.09>
33. **Ramasamy, M.** and Thangavel, S. “Optimal Utilization of PV Solar System as DVR (PV-DVR) for voltage regulation and Energy Conservation”, Australian Journal of Electrical and Electronics Engineering (**Taylor & Francis**), Vol.10, No.3, pp. 371-382, 2013. **SJR: 0.13**
DOI: <http://dx.doi.org/10.7158/E12-086.2013.10.3>
34. **Ramasamy, M.** and Thangavel, S. “Optimal Utilization of P&O MPPT Based PV System Operated Three-Phase Three-Leg DVR”, International Journal of Power and Energy Systems (**Acta Press**), Vol.33, No. 3, pp. 112-118, 2013. **SJR: 0.14**
DOI: <http://dx.doi.org/10.7158/E12-086.2013.10.3>
35. **Ramasamy, M.** and Thangavel, S. “Integration of Hybrid Wind-Solar Power Conversion System and DVR for Voltage Regulation and Energy Conservation”, Australian Journal of Electrical and Electronics Engineering (**Taylor & Francis**), Vol.10, No.4, 2013. **SJR: 0.13**
DOI: <http://dx.doi.org/10.7158/E12-125.2013.10.4>
36. **Ramasamy, M.** and Thangavel, S. “Photovoltaic based dynamic voltage restorer with power saver capability using PI controller”, International Journal of Electrical Power and Energy Systems (**Elsevier**), Vol.36, No.1, pp.51-59, 2012. **Impact Factor: 4.854**
DOI: <https://doi.org/10.1016/j.ijepes.2011.10.023>

37. **Ramasamy, M.** and Thangavel, S. "Photovoltaic based Dynamic Voltage Restorer with Energy Conservation Capability using Fuzzy Logic Controller", IEEE Conference Publications, pp. 485-492, 2012.
DOI: <https://doi.org/10.1109/INCOSET.2012.6513953>
38. **Ramasamy, M.** and Thangavel, S. "Novel High Step-Up DC-DC Converter with Coupled-Inductor Based Dynamic Voltage Restorer", International Journal of Power Systems and Energy Management, Vol.1, No.1, pp.17-22, 2012.
39. Vidhukrishnan, U. and **Ramasamy, M.** "An Enhancement Method for the compensation of voltage sag/swell and Harmonics by Dynamic Voltage Restorer", International Journal of Modern Engineering Research, Vol.2, Issue 2, pp. 475-478, March 2012.
40. Vidhukrishnan, U. and **Ramasamy, M.** "An mitigation method for Total Harmonic Distortion and Power Quality Improvement with DVR using Neural Networks Techniques", International Journal of Advanced Research in Technology, Vol. 2, Issue 1, pp. 95-99, 2012.
41. **Ramasamy, M.** and Thangavel, S. "Photovoltaic based Dynamic Voltage Restorer with Outage Handling Capability using PI controller", Energy Procedia (**Elsevier**), No. 12, pp. 560-569, 2011. **RG Journal Impact: 1.89.**
DOI: <http://dx.doi.org/10.1016/j.egypro.2011.10.076>

International Conference: 19

1. V. 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.
2. V. 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.
3. V. 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.
4. V. 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.

5. **Ramasamy, M.**, "River Cleaning And Water Quality Monitoring System Using Turbidity Sensor", International Conference on Science, Technology, Engineering and Mathematics (ICSTEM-22), Janson Institute of Technology, Coimbatore on 28th May 2022.
6. **Ramasamy. M.**, "Automatic Suspensor System with Power System with Power Generation capable for E-Bike", Sixth International Conference on Engineering and Technology, Selvam College of Technology, Namakkal on 04th & 05th March 2020.
7. Ramasamy. M., "Waste Heat recovery plant for heaters in Home and Boilers using Thermoelectric Generator", International Conference on Innovative Research in Power and Energy Engineering, Arasu Engineering College, Kumbakonam on 26th March 2020.
8. Ramasamy, M. "Analysis of Performance of PMSG and DFIG based wind energy conversion system", International Conference on Adaptive Technologies for Sustainable Growth, Paavai Engineering College, Namakkal, on 20th & 21st April 2019.
9. Ramasamy, M. "Equivalent Modeling of Inverter air Conditioners for providing frequency regulation service by ANN", International Conference on Future Technologies in Engineering, Science & Humanities, Sri Guru Institute of Technology, Coimbatore on 22nd February 2019.
10. **Ramasamy, M.** "IoT Based Fully Automated Road Blocker and Speed Bumps for smart Cities", International Conference on Information Sciences and Renewable Energy Sources, Selvam College of Technology, Namakkal, 07th & 08th March 2019.
11. Mithhra, E. Ravi, V. and **Ramasamy, M.** "PV interfaced Three-Phase Multilevel Inverter Fed Dynamic Voltage Restorer", International Conference on Contemporary Topics in Power Engineering and Aiding Technologies, Pondicherry Engineering College, Puducherry, 24th – 25th, February 2017.
12. Dhanushya, A. Sankarganesh, R. and **Ramasamy, M.** "PV interfaced Three-Phase Two-Leg Split Source Inverter based Series Active Power Filter for Power Quality Improvement", International Conference on Contemporary Topics in Power Engineering and Aiding Technologies, Pondicherry Engineering College, Puducherry, 24th – 25th, February 2017.
13. Sharmila, S. and **Ramasamy, M.** "A Combined intercept and star line tracking algorithms for trabecular bone fracture analysis", International Conference on Innovations in information Embedded and Communication Systems, Karpagam College of Engineering, Coimbatore, 19th & 20th March 2015.

14. Nithya, K. and **Ramasamy, M.** “Modeling of Multi-input DC-DC converter for Renewable Energy Sources”, International Conference on Engineering Technology and science, Muthayammal Engineering College, Rasipuram, 10th & 11th Feb 2014.
15. Nithya, K. and **Ramasamy, M.** “Modeling of Multi-input DC-DC converter for Renewable Energy Sources”, International Conference on Trends in Technology for Convergence (TITCON), AVS Engineering College, Salem, 08th and 09th April 2014.
16. Piramanathan, P. and **Ramasamy, M.** “Implementation and Control of DVR for Power Quality Mitigation using Fuzzy Logic”, International Conference on Electrical and Electronics Engineering and Technology, Muthayammal Engineering College, Rasipuram, 25th & 26th April 2013.
17. Vidhukrishnan, U. and **Ramasamy, M.** “An Enhancement Method for the compensation of voltage sag/swell and Harmonics by Dynamic Voltage Restorer”, International Conference on Emerging Trends in Computer and Communication Technologies, Maria College of Engineering and Technology, Kanyakumari, pp. 186, Feb 2012.
18. **Ramasamy, M.** and Thangavel, S. “Photovoltaic based Dynamic Voltage Restorer with Outage Handling Capability using PI controller”, International Conference on Emerging Trends in Science, Engineering and Technology, J.J. College of Engineering and Technology, Tirchy, 13th & 14th Dec 2012.
19. **Ramasamy, M.** and Thangavel, S. “Photovoltaic based Dynamic Voltage Restorer with Energy Conservation Capability Using Fuzzy Logic Controller”, International Conference on Smart Grid and Clean Energy Technology, UESTC, China energy Association, Chengdu, China, 27-30 September 2011.

National Conference: 07

1. **Ramasamy, M.** and Sethu. V, “Automatic Accident Prevention and Theft Identification using Micro controller”, National Conference on Innovations and Advancements in Electrical Sciences (NCIAES 18), at KPR Institute of Engineering & Technology, Coimbatore, 23rd March, 2018.
2. Sharmila, S. and **Ramasamy, M.** “A Combined intercept and star line tracking algorithms for trabecular bone fracture analysis”, Eighth National Conference on RTICT 2015, Bannari Amman Institute of Technology, Sathyamangalam, 19-20 March 2015.
3. Nithiya, K. and **Ramasamy, M.** “Three Port DC-DC Boost Converter for Hybrid PV/Wind/Battery Power System” A National Conference on Technological Innovations in Electrical Engineering, K.S.R. College of Engineering, Thiruchengode, pp. 161-171, March 2014.
4. Vidhukrishnan, U. and **Ramasamy, M.** “An Enhancement Method for the compensation of voltage sag/swell and Harmonics by Dynamic Voltage Restorer”, National Conference on Cutting Edge

Technologies in Power Conversion and Industrial Drives”, Bannari Amman Institute of Technology, Sathyamangalam, Feb 2012.

5. Suresh, S. and **Ramasamy, M.** “Novel Design of Soft Switching for Multi-Level Inverters”, National Conference on Advancement in Electrical Sciences, SNS College of Technology, Coimbatore, pp.43, Feb, 2011.
6. **Ramasamy, M.** and Thangavel, S. “Performance Evaluation of PI and Intelligent Controllers for Induction Motors” Mahendra Engineering College, 9th March 2007.
7. **Ramasamy, M.** and Thangavel, S. “Analysis of PI and Intelligent Controller”, A.C. College of Engineering and Technology, Karaikudi, 14th March 2007.