

PUBLICATIONS OF Dr.L.ASHOK KUMAR

International Journal

1. K. Prithivi, **L. Ashok Kumar**, **FPGA Based Design and Implementation of Power Conditioning Unit for Fuel Cell Powered Vehicle Using Adaptive Vector Reference Control Method**, *Microprocessors and Microsystems*, Elsevier, Volume 77, September 2020, 103120, <https://doi.org/10.1016/j.micpro.2020.103120>
2. A. Raguram, **L. Ashok Kumar**, **Experimental and comparative analysis of various solar PV module technologies using module level inverter topologies at south-India for the context-aware application**, *Journal of Ambient Intelligence and Humanized Computing* <https://doi.org/10.1007/s12652-020-02193-7>, Springer-Verlag GmbH Germany, part of Springer Nature, June 2020
3. Somasundaram B, Latha R, Banu Rekha B, **Ashok Kumar L**, **Real Time Monitoring Of Fault Occurrences And Fault Prediction For An Industrial Air Handling Unit**, *International Journal of Advanced Science and Technology*, Vol. 29, No. 9s, ISSN: 2005-4238 Pg.No. 3593-3600, 2020.
4. **L. Ashok Kumar**, V. Indragandhi & Steffi Pius, **Design and implementation of advanced harmonic filter for variable frequency automotive drives**, *EPE Journal European Power Electronics and Drives*, Taylor & Francis, USA, Pg.No. 1- 16, ISSN: 0939-8368 (Print) 2376-9319 (Online), DOI: 10.1080/09398368.2020.1750866, April 2020.
5. Gayathri Natarajan & **L.Ashok Kumar**, **Design and Manufacturing of Electrically Driven ATV for Enhanced Vehicle Performance**, *International Journal of Innovative Technology and Exploring Engineering*, ISSN: 2278–3075 (Online), Page 645-650, Volume-9 Issue-3, January 2020.
6. Madhuvanthani Rajendran and **L. Ashok Kumar**, **Implementation of Reactive Power Markets to Enhance the Power System Network**, *IJSGSET Transactions on Smart Grid and Sustainable Energy*, Pg. No. 126-131, Vol. 3, No. 2, November 2019.
7. Elam Cheren.S, **Ashok Kumar.L**, Radhakrishnan.G, **Kavin.R**, **Active Harmonic Filtering In Grid Connected DG Unit by Observer**, *International Journal of Innovative Technology and Exploring Engineering*, Pg..No. 869-875, ISSN: 2278-3075, Volume-8 Issue-8 June 2019.

8. Selvamathi R, V Indragandhi, **Ashok Kumar L**, Ramani Kannan, **Grid Connected, Transformer less Single phase Inverter Topologies for Photovoltaic systems**, *International Journal of Recent Technology and Engineering*, Pg.No. 464-470, ISSN: 2277-3878, Vol.7, Issue-6, March 2019.
9. *Ria George, L. Ashok Kumar, M. Alagappan*, **Synthesis of Nanotubular NIO-CNT Composite and its Application in Temperature independent CO₂ Gas Sensors Fabricated using Interdigitated Silver Electrode**, *Digest Journal of Nanomaterials and Biostructures*, Vol. 14, No. 1, p. 213 – 224, January - March 2019.
10. V Indragandhi and L Ashok Kumar, **Artificial Intelligence Based Speed Control of SRM for Hybrid Electric Vehicles**, IEEE Proceedings of the 8th International Conference on Power and Energy Systems, Pg.No. 65- 68, DOI : 978-1-5386-6029-4, December 2018.
11. Sheeba Babu, L. Ashok Kumar, V.Indragandhi, **Optimizing Electrical Generators of Wind Energy Conversion System for Efficient Power Extraction**, *Gazi Univiersity, Journal of Science*, Pg.No.1141-1154, 31(4), November 2018.
12. *L.Ashok Kumar, R.Selvamathi, V.Indragandhi*, **Photovoltaic Based Zero Voltage Transition DC-DC Buck Converter**, *IEEE Digital Explore*, Pg.No. 1- 5, DOI: 978-1-5386-4956-5/18, September 2018.
13. Vishnu Murthy K, **Ashok Kumar L** and Dhayaneswaran Y, **A Study of Inverter Drives and Its Ride Through Capabilities in Industrial Applications**, *Electronics Journal*, Vol. 22, No. 1, ISSN: 1450-5843, Pg. No. 5 – 11, June 2018.
14. *Kalaiaarasi.A, Ashok Kumar. L*, **Sensor Based Portable Tremor Suppression Device for Stroke Patients**, *Acupuncture and Electro-Therapeutics Research*, Vol.43, No.1, Pg.No. 29-37, March 2018.
15. **Ashok Kumar L**, Indragandhi V , Sujith Kumar N, **Design and Implementation of Single-Phase Inverter without Transformer for PV Applications**, *IET Renewable Power Generation*, ISSN 1752-1416, Pg.No. Vol. 12 Iss. 5, pp. 547-554, February 2018.
16. *Selvamathi. R, V. Indragandhi, Ashok Kumar.L* , **Analysis of Transformer less Inverter for PV Applications** , *International Journal of Engineering & Technology*, Pg.No. 427 – 532, Vol. 7,No.2, February 2018.
17. *Banu Rekha, B Somasundaram, L Ashok Kumar & Pruthviraj Balekai*, **A Technical Review on Advantages of Using EC BLDC Fans in Factory and Commercial Buildings**, *Energy Engineering*, Pg.No. 57-74, Vol. 115, No.3, ISSN: 0199-8595, February 2018.

18. *A.Raguram, L. Ashok Kumar, Reliability Study of Various Solar PV Module Technologies for Three Different Seasons at Coimbatore, Perspectives in Science and Information*, ISSN 1413-9936, V.22,Sp.3, PG.No.156-174, Nov/Dec 2017.
19. *Ramani Kannan, Nur Izzati Abdul Samad, Mohd Fakhizan Romlie, Nursyarizal Mohd Nor L. Ashok Kumar, Design and Execution of Single Input Multiple Output DC-DC Converter, Proc. of the 2017 IEEE International Conference on Signal and Image Processing Applications*, Malaysia, Pg.No. 164-169, ISSN 978-1-5090-5559-3, September 2017.
20. *V.Indragandhi, Ashok Kumar L,Vishnumoorthy K, Methods of Operating Mechanisms of High Voltage Circuit Breakers -An Overview, Proceedings of the IEE International Conference on High Voltage Engineering and Power System*, Pg. No. 57-63, ISSN 978-1-5386-0945-3, 2017.
21. *S Lovelyn Rose, Karthika Renuka, L. Ashok Kumar, Design and Implementation of e-Learning System using Deep Learning based on Audio-Video Speech Recognition for Hearing Impaired*, *Perspectivas em Ciencia da Informacao*, vol.22, Iss.2, Pg.No.192-200, ISSN 1413-9936, Dec 2017.
22. *Selvamathi R, V Indragandhi, Dr. L. Ashok Kumar, A Case Study- Interfacing of PIC-16f877a with Driver Circuit for Transformerless Inverter, International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 8, Issue 9, pp. 244–249, ISSN Print: 0976-6340, September 2017.
23. *Prithivi K and Sathyapriya M, Dr. L. Ashok Kumar, An Optimized DC-DC Converter for Electric Vehicle Application, International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 8, Issue 9, pp. 173–182, ISSN Print: 0976-6340, September 2017.
24. *N. Sampathraja, Dr. L. Ashok Kumar, IoT Based Underground Cable Fault Detector, International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 8, Issue 8, pp. 1299–1309, ISSN Print: 0976-6340, August 2017.
25. *R.Kamatchi, V.Indragandhi, P.Manimekalai, L.Ashok Kumar, Design and Implementation of 2.2 kW Full Bridge DC-DC Converter Based Battery Charger for Locomotives, International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 8, Issue 8, pp. 702–713, ISSN Print: 0976-6340, August 2017.

26. A. Raguram, A. Imtiyas, **L. Ashok Kumar**, S. Nithin Kumar, **A Study on Micro inverter and its Various Topologies of Solar PV System for Agricultural Application**, *International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 8, Issue 8, pp. 1183–1193, ISSN Print: 0976-6340, August 2017.
27. Raguram A, Nivya N, **Ashok Kumar L**, **A Study of Different Converter and Maximum Power Point Tracking Topology**, *International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 8, Issue 8, pp. 1173–1182, ISSN Print: 0976-6340, August 2017.
28. Gayathri Natarajan, **Dr. L. Ashok Kumar**, **Implementation of IoT Based Smart Village for the Rural Development**, *International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 8, Issue 8, pp. 1212–1222, ISSN Print: 0976-6340, August 2017.
29. K. Vishnu Murthy, **L. Ashok Kumar**, N. Sampathraja, Y. Dhayaneswaran, **Solar Powered Speed Control of Brushless DC Motor Drive Using PID Fuzzy Controller**, *International Journal of Mechanical Engineering and Technology (IJMET)*, Volume 8, Issue 8, pp. 1135–1147, ISSN Print: 0976-6340, August 2017.
30. Murugesan. V. M, Chandramohan. G, Rudramoorthy. R, Senthil Kumar. M & **Ashok Kumar. L** **Experimental Analysis of Faults of Automobile Starting System**, *International Journal of Automobile Engineering Research and Development (IJAEERD)* ISSN (P): 2277-4785; ISSN (E): 2278-9413 Special Issue, Jan 2017, 103-114.
31. A. Raguram, **L. Ashok Kumar** and S. Nithin Kumar, **Experimental Analysis of 500W Standalone PV Systems in 3 Different Regions of South India**, *International Journal of Applied Environmental Sciences*, ISSN 0973-6077, Volume 12, Number 7 pp. 1401-1409, 2017.
32. P.K Arunkumar, **L. Ashok Kumar**, **Detection and Classification of Complex Power Quality Disturbances using S-Transform Amplitude Matrix-based Decision Tree for different Noise Levels**, *International Transactions on Electrical Energy Systems*, Wiley Publications, Pg.No.1-12, Volume 27, Issue 4, April 2017.
33. A. Raguram and **L. Ashok Kumar**, **Experimental analysis of two 6 kW and one 5 kW Grid connected Photovoltaic Modules in South India**, *International Journal of Advanced Engineering Technology*, Vol. VII, Issue I, Pg.No. 980-982, E-ISSN 0976-3945, Jan.-March, 2016.

34. **K. Prithivi, M. Sathyapriya, L. Ashok Kumar, Output Voltage Ripple (OVR) Reduction of Boost Converter Using Particle Swarm Optimization, *Circuits and Systems*, Vol. 7, pg. No. 4009-4023, ISSN Online: 2153-1293, ISSN Print: 2153-1285, October 2016.**
35. **L. Ashok Kumar, Sheeba Babu, Control Strategy for Inverter in a Micro-Grid under Unbalanced Grid Condition, *IEEE Conference on Technologies for Sustainability (SusTech2016)*, Pg.No.188-194, 978-1-5090-4158-9, October 2016.**
36. **L. Ashok Kumar, S. Karthikeyan, Modeling of Phasor Measurement Unit for Wide Area Monitoring and Control of Smart Grids with Distributed Energy Resources, *IEEE Conference on Technologies for Sustainability (SusTech2016)*, Pg.No.76-82, 978-1-5090-4158-9, October 2016.**
37. **Somasundaram B , Ashok Kumar L , Banu Rekha B, Hemanand R, Study on Energy Efficiency and Harmonics Mitigation in a HVAC AHU Blower/Fan Application Using Electronically Commutated BLDC Motors, *Journal of Electrical Engineering*, Pg.No.1-6, Volume 16 / 2016 - Edition : 3, ISSN 1582-4594.**
38. **M. Senthilkumar, L. Ashok Kumar, Nondestructive Fabric Weight Measurement using Capacitance Principle, *International Journal of Clothing Science and Technology*, Vol. 28 No. 5, 2016, Pg.No. 690 – 698, April 2016.**
39. **M. Senthilkumar, L. Ashok Kumar, A. Keerthana, V. Pavithra, S. Poongodi, Design and development of an instrument for non- destructive fabric weight measurement, *Indian Journal of Fibre & Textile Research*, Vol. 40, pp. 329-333, September 2015. (IF: 0.634)**
40. **V. Jeya Ramya, J. Navarajan, R. Prathipa and L. Ashok Kumar, Detection of melanoma skin cancer using digital Camera images, *ARPJ Journal of Engineering and Applied Sciences*, Pg.No. 3082-3085, Vol. 10, No. 7, April 2015 ISSN 1819-6608.**
41. **M. Madhu Sudha, A. Kalaiarasi, Dr.L.Ashok Kumar, Parametric Modes and Brain Frequency Analysis for BCI, *International Journal of Applied Engineering Research*, Pg.No.541 – 546, ISSN 0973-4562 Vol. 10 No.55 (2015).**
42. **Thomaslin Veron Atheena.J, Kalaiarasi.A, Dr.Ashok Kumar.L, Literature Review of Electroencephalography, *Journal of Medical Science and Clinical Research*, Pg.No. 2454 – 2467, ISSN (e)-2347-176x, Volume 2 Issue 9 September 2014.**
43. **Y. Dhayaneswaran, L. Ashok Kumar, A study on current characteristics of induction motor while operating at its base frequency in textile industry *Energy*, Volume 74, Pages 340-345.**

44. **L. Ashok Kumar, Design and Development of Cost effective Global Positioning System General Packet Radio Service Based Soldier Tracking System, *Journal of Engineering and Technology*, Vol. 3, Issue 1, Pg. No. 36-40, Jan-Jun 2013. (IF: 0.24)**
45. **L. Ashok Kumar, C. Vigneswaran, Dr. T. Ramachandran, Design and Development of Signal Sensing Equipment for Measuring Light Transmission Efficiency of POF Fabrics, *Indian Journal of Fibre & Textile Research*, Vol. 35, Pg. No. 317 – 323, December 2010.**
46. **L. Ashok Kumar, A.N. Sai Krishnan, Design of Sewing Thread Tension Measuring Device, *Indian Journal of Fibre & Textile Research*, Pg. No. 65–67, Vol. 35, March 2010.**
47. **L. Ashok Kumar, C. Vigneswaran, T. Ramchandran, Development of Signal Transferring Fabrics Using Plastic Optic Fibers (POF), *Journal of Industrial Textiles, UK*, Volume 39 Issue 4, April 2010, pp 305-326. Print ISSN: 1528-0837, Online ISSN: 1530-8057. (IF 0.811)**
48. **A.N. Sai Krishnan, L. Ashok Kumar, A. Venkatachalam, Design and development of illuminated clothing with PMMA for versatile applications, *Indian Journal on Fiber & Textile Research*, Vol. 31, Pg. No. 577-579, Dec 2006.**
49. **L. Ashok Kumar & Ria George, Wearable Sensors in Healthcare Monitoring, *Asian Textile Journal*, Pg.No.63-74, ISSN 0971 3425, September 2016.**
50. **T. Tharankumar, Dr.L. Ashok Kumar, Simulation of Integrated Wind and Solar Resources using HOMER Software, *Australian Journal of Basic and Applied Sciences*, 9(31), Pg.No. 234-244, ISSN:1991-8178 September 2015.**
51. **N. Archana, R. Vidhyapriya, L. Ashok Kumar, A. Beroose Abdul Kadhar, Power Quality Improvement in a Multi Machine System using a STATCOM, *International Journal of Research in Advent Technology*, Vol.4, No.1,Pg.No.16-22, E-ISSN: 2321-9637, January 2016.**
52. **L. Ashok Kumar, N. Archana, R. Vidhyapriya, Power Quality Improvement of Grid Connected Wind Energy Systems Using Statcom-Battery Energy Storage System , *ARPJ Journal of Engineering and Applied Sciences*, Pg.No.9872- 9879, Vol. 10, No. 21, November 2015. ISSN 1819-6608 (IF: 0.765)**
53. **N. Archana, R. Vidhyapriya, L. Ashok Kumar, A. Beroose Abdul Kadhar, A Survey on Power Quality Improvement of Multi Machine Systems Using FACTS Devices, *International Journal for Research in Applied Science & Engineering Technology*, Volume 3 Issue X, Pg. No.216-222, ISSN: 2321-9653, October 2015. (IF : 2.013)**

54. **Dr.L. Ashok Kumar, Sheeba Babu, Smart Grid, Standards, Policies and Regulations in India and Issues Related to DG Integration and Solutions - A Survey, *Australian Journal of Basic and Applied Sciences*, 9(23), ISSN 1991-8178, Pg. No. 248-264, July 2015. (IF: 0.786)**
55. **M. Madhu Sudha, A. Kalaiaarasi, Dr.L.Ashok Kumar, Parametric Modes and Brain Frequency Analysis for BCI, *International Journal of Applied Engineering Research* (ISSN 0973-4562), Volume No 10, Issue No 55, Pg.No. 541-546, Special Issue, 2015.**
56. **J. Thomaslin Veron Atheena, A. Kalaiaarasi, Dr. L. Ashok Kumar, Differential Diagnosis and Identification of Bilirubinemia using Triple Modes, *International Journal of Applied Engineering Research* (ISSN 0973-4562), Volume No 10, Issue No 55, Pg.No. 4210-4215, Special Issue, 2015.**
57. **P.K. Arun Kumar, L. Ashok Kumar, A Review on Power Quality Improvement in a Grid Connected Wind Energy Conversion System Using Dynamic Voltage Restorer, *Australian Journal of Basic and Applied Sciences*, 9(11) May 2015, Pages: 528-541, ISSN:1991-8178. (IF: 0.786)**
58. **K. Prithivi, L. Ashok Kumar, Review and Analysis of Non-Isolated DC-DC Power Electronic Interface With Fuel Cell System, *ARPJ Journal of Engineering and Applied Sciences*, ISSN 1819-6608, Pg.No.1-10, Vol. 10, No. 8, May 2015. (IF: 0.765)**
59. **Elam Cheren S, Ashok Kumar L, Off Grid Power Supply For Remote Devices Using Solar PV, *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 10, Number 6 (2015) pp. 14457-14466.**
60. **Maheswaran D, Rajasekar N, Priya K, Ashok Kumar L, Application of Bacterial Foraging Algorithm and Genetic Algorithm for Selective Voltage Harmonic Elimination in PWM Inverter, *Journal of Electrical Engineering & Technology*, ISSN(Print) 1975-0102 ISSN(Online) 2093-7423, 10(3): 944-951, 2015; (IF: 0.528)**
61. **K. Prithivi, V. Soniya, Dr.L. Ashok Kumar, A Novel Step-Up Converter with Reduced Output Voltage Ripple, *International Journal of Applied Engineering Research*, ISSN 0973-4562 Vol. 10 No.1 (2015) pp. 200-204.**
62. **Murugesan V M, Chandramohan G, Senthilkumar M, Rudramoorthy R, Ashok Kumar L, Rambabu Palla, Analysis of Automobile Starter Solenoid Switch for Improved Life, *Automatika Journal*, Online ISSN 1848-3380, Print ISSN 0005-1144, Vol. 55(3), 256–264 (2014).**

63. *D. Maheswaran, N. Rajasekar, L. Ashok Kumar, Design of Passive Filters for Reducing Harmonic Distortion and Correcting Power Factor in Two Pulse Rectifier Systems using Optimization, Journal of Theoretical & Applied Information Technology*, Vol.62, No.3, Pg. No. 720-728 ISSN 1992-8645. April 2014.
64. *D.Maheswaran, N.Rajasekar, L. Ashok Kumar, A Detailed Current Harmonics Analysis and GA Based Passive LC Filter Design in Six-Pulse Variable Frequency Drive, International Journal of the Indian Pulp and Paper technical Association (IPPTA)* Vol.26, No.2, pp 80 – 88, April-June, 2014.
65. *Dr.L. Ashok Kumar, Dr.P.Rani, Microcontroller Based Remote Tracking System for Dementia Patients, International Journal of Applied Engineering Research & Development*, ISSN 2250-1584, vol. 4 Issue I, Pg. No. 1- 6, Feb. 2014. 2.0653 (IF: 1.6842)
66. *Murugesan V M, Chandramohan G, Senthilkumar M,Rudramoorthy R, Ashok Kumar L, Saravanan S.V, Fault Diagnosis of Medium Duty Commercial Vehicle Engine Starting System Using Fuzzy Logic Algorithm to Improve Starter Reliability And Reduced Emission, Pollution Research Journal, Poll Res. ISSN 0257–8050, 32 (3): 663-668, August 2013.*
67. *L. Sabari Nathan, L. Ashok Kumar, B. Vaikundaselvan, S. Ravi Krishna, Modeling of Control and Power Management of a Hybrid Wind-Solar System Using Optimization Technique, International Review on Modeling and Simulations*, ISSN 1974-9821, Vol. 6, N.5, Pg. No. 1570 – 1580, October 2013. (IF: 0.453)
68. *Murugesan V M, Chandramohan G, Senthilkumar M,Rudramoorthy R, Ashok Kumar L, Suresh Kumar R, Basha D, Vishnu Murthy K, A Novel Approach to Develop ECU Based Automobile Starting system using Lab view for Safe and Reliable Start, ARPN Journal of Engineering and Applied Sciences*, Vol. 7, No. 7, ISSN 1819-6608, Pg. No. 867 – 879, July 2012. (IF: 0.486)
69. *Murugesan V M, Chandramohan G, Senthilkumar M,Rudramoorthy R, Ashok Kumar L, Suresh Kumar R, Basha D, Vishnu Murthy K, An Overview of Automobile Starting System Faults and Fault Diagnosis Methods, ARPN Journal of Engineering and Applied Sciences*, Vol. 7, No. 7 ISSN 1819-6608, Pg. No. 812-919, July 2012. (IF: 0.486)
70. *L. Ashok Kumar, R. Selvamathi , V. Indragandhi, “A Software Level Realization of Improved Motion Estimation Algorithm” National Journal of Technology*, Vol 12, Issue 1, Pg.No.30-37, September 2017.

71. **K. P. Aswathy, A. Kalaiarasi and L. Ashok Kumar, "Central mechanism of tremor suppression at musculoskeletal level,"** 2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), Chennai, India, 2016, IEEE Xplore, pp. 3189-3193. ISBN: 978-1-4673-9939-5.
72. **R. Ram Muruges, L. Ashok Kumar, P. Wesley Maria Jones, R. Kumaravel, Real-Time Monitoring of Industrial Environmental Temperature using LabVIEW, *International Journal of Engineering Research and Applications*, Vol.5, Issue 12 (Part-3) Pg.No.129-132, ISSN 2248-9622, December 2015. (IF:0.462)**
73. **L. Ashok Kumar, Study on Different Techniques of Fabricating Conductive Fabrics for Developing Wearable Electronics Garments, *Journal of Textile Science & Engineering*, Volume 5, Issue 5, Pg.No.1-6, ISSN: 2165-8064, September 2015.**
74. **L. Ashok Kumar, Teleintimation Garment: A Wearable Electronic Garment For Soldier's Status Monitoring Applications, *RMUTP Research Journal: Special Issue 2014*, Pg.No.141-146, ISSN 1906-0432, 2014.**
75. **N. Archana, R. Vidhyapriya, L. Ashok Kumar, E. Arjun, A Survey on Power Quality Improvement of Grid Connected Wind Energy Systems using FACTS, *International Journal of Engineering and Management Research, Volume-4, Issue-5, Pg. No.: 115-121 October-2014, ISSN No. 2250-0758. (IF: 0.453) .***
76. **M. Madhu Sudha, A. Kalaiarasi, L. Ashok Kumar, Literature Survey about Brainwave Test, *International Journal of Emerging Trends in Science and Technology*, Vol.1, Issue 07, Pg. No. 1211-1221, September 2014, ISSN 2348-9480. (IF: 0.270)**
77. **Mahaboob subahani A, Dr. Ashok Kumar L, A Novel Nine-Switch Converter for Solar Energy Generation Systems, *International Journal of Applied Research and Studies*, ISSN: 2278-9480, Pg. No. 1-6, Volume 2, Issue 6 , June 2013. (IF: 0.425)**
78. **Karthick R.T, Ashok Kumar L, Stand-Alone Solar Power Generation System with Constant Current Discharge, *International Journal of Emerging Trends in Electrical and Electronics*, ISSN: 2320-9569, Pg. No. 108-115, Vol. 5, Issue. 1, July 2013. (IF: 0.401)**
79. **M. Senthilkumar, L. Ashok Kumar, N. Anbumani, Design and Development of a Pressure Sensing Device for Analysing the Pressure Comfort of Elastic Garments, *Fibres & Textiles in Eastern Europe*, 20,1(90), 64-69, 2012. (IF: 0.801)**
80. **L. Ashok Kumar, Dr.Ila Vennila, Dr.T. Ramachandran, Teleintimation Garment for Personnel Monitoring Applications (Reprint), *Melliand China*, Worldwide Textile Journal, pg no 66 – 67, August 2011.**

81. **L. Ashok Kumar, Dr. Ila Vennila, Dr.T. Ramachandran, Teleintimation Garment for Personnel Monitoring Applications, *Melliand International*, Worldwide Textile Journal, pg no 53 – 54, D 45169 F, March 2011.**
82. **L. Ashok Kumar, T.Ramchandran, Investigation on Acquisition of Signals from Teleintimation Garment for Extreme Health care and Defence Personnel, *International Journal of Biomedical Signal Processing*, Vol 1, No.2, Pg. No. 49-57, December 2010.**
83. **L. Ashok Kumar, T. Ramchandran, Remote Utilization of Textile Testing Equipments Using Microcontrollers with LabVIEW, *Pakistan Textile Journal*, Pg. No. 43 – 45, November 2010.**
84. **L. Ashok Kumar, T. Ramchandran, A Methodology for Product Development of Nonwoven Wearable Electronics, *International Journal of Nonwovens and Technical Textiles*, USA, Pg. No. 25-28, Apr-Jun 2010.**
85. **L. Ashok Kumar, Development of self-assisting Pneumatic Clothing for Physically Challenged People, *Technical Textiles, Germany*, E98-E99, June 2010.**
86. **L. Ashok Kumar, T. Ramchandran, Development of Wearable Solar Jacket for Remote and Military Applications, *Asian Textile Journal*, Pg. No. 48-52, June 2010**
87. **P. Kanakaraj, L. Ashok Kumar, 3D Body Scanning Technology: Its Applications, *Pakistan Textile Journal*, Pg. No. 37 -39, April 2009.**

National Journal:

1. **L. Ashok Kumar, Study on Power Converters in Hybrid Electric and Fuel Cell Vehicles, Pg.No. 55-66, ISSN - 0973 - 1334, *National Journal of Technology*, Vol. 16, Issue 1, March 2020.**
2. **L. Ashok Kumar, D.Karthika Renuka, S.Lovelyn rose, M.Lavanya & M.C. Shunmuga Priya, Speech Diarization and Transcription Using Deep Learning, Pg.No. 37-44, ISSN - 0973 - 1334, *National Journal of Technology*, Vol. 15, Issue 4, December 2019.**
3. **L. Ashok Kumar, An Impact of Grid Integrated Hybrid Systems under Fault Analysis, Pg.No. 23-28, ISSN - 0973 - 1334, *National Journal of Technology*, Vol. 15, Issue 4, December 2019.**
4. **L. Ashok Kumar, Experimental Study on Solar Panel Cleaner Technology, Pg.No. 9-16, ISSN - 0973 - 1334, *National Journal of Technology*, Vol. 15, Issue 4, December 2019.**
5. **L.Ashok Kumar, D.Karthika Renuka, Dr.S.LovelynRose, M.Lavanya, M.C.Shunmuga priya, Speech Diarization and Transcription Using Deep Learning, Pg.No. 55-61, ISSN - 0973 - 1334, *National Journal of Technology*, Vol 14, Issue 6, September 2019.**

6. Madhuvanthani Rajendran, **L.Ashok Kumar**, **Stability Analysis of a System Represented by the Classical Machine Model Using Dynamic Stability Analysis Tools**, Pg.No. 63-68, ISSN - 0973 - 1334, *National Journal of Technology*, Vol 14, Issue 6, September 2019.
7. **L.Ashok Kumar**, V.Indra Gandhi , P.K.Arun Kumar, **Performance Comparison of Harmonic Mitigation Control Strategies for Shunt Active Power Filter**, Pg.No.1-6, ISSN - 0973 - 1334, *National Journal of Technology*, Vol 14, Issue 5, April 2019.
8. **L. Ashok Kumar**, Madhuvanthani Rajendran, **Feasibility Analysis for Retrofitting of BAPV and BIPV System in a Building**, Pg.No.51-62, ISSN - 0973 - 1334, *National Journal of Technology*, Vol 14, Issue 5, April 2019.
9. **L. Ashok Kumar**, Mr. Adhithiyan.P, **Efficient Control of High Pressure Pump Using VFD System**, Pg.No.19-26, ISSN - 0973 - 1334, *National Journal of Technology*, Vol 14, Issue 3, September 2018.
10. **L. Ashok Kumar**, V. Indragandhi, T. Arunkumari, **Development of DC-DC Boost Controlled Converter for Fuel Cell Applications**, *National Journal of Technology*, Pg.No.17-23, ISSN - 0973 - 1334, *National Journal of Technology*, Vol 14, Issue 5, March 2018.
11. **L.Ashok Kumar**, Harsha Vardhan, **Harmonic Mitigation in a Thyristorised Heating Furnace**, *National Journal of Technology*, Pg.No. 28 – 33, Vol.12, ISSN - 0973 – 1334, March 2016.
12. **L. Ashok Kumar**, Steffi Pius, **Design and Implementation of Advanced Harmonic Filter for Variable Frequency Drives**, *National Journal of Technology*, Pg.No.16-22, Vol.11, No.3, ISSN - 0973 - 1334, December 2015.
13. Murugesan V M, Chandramohan G, Rudramoorthy R, Senthil Kumar M, **Ashok Kumar L**, Basha D, **Fault Diagnosis of Automobile Starting System Using Electronic Control Unit**, *National Journal of Technology*, Vol.11, No.3, Pg.No.67-83, September 2015.
14. **Dr.L Ashok Kumar**, V. Aparna, **Analysis and Comparison of Dynamic Performance of Various PLLs used in Distributed Generation Systems**, *KSEBEA Hydel, Technical Journal of KSEB Engineers' Association*, Vol. 61, Pg.No. 26 – 33, June 2015.
15. **L. Ashok Kumar**, R. Kumaravel, **Switched Reluctance Machine Analysis Using Different Software Platforms – National Journal of Technology**, Pg.No. 20 – 26, Vol.10, No.4. ISSN – 0973-1334, December 2014.
16. Y. Dhayaneswaran, **L. Ashok Kumar**, **A Study on Energy Conservation in Textile Industry**, *Journal of Institute of Engineers*, Springer Publications, Ser. B 94(1):53–60, March–May 2013.

17. **L. Ashok Kumar**, **A Review on Effective Lightning Protection for Wind Turbine Generators**, *The Journal of CPRI*, Pg. No. 45- 51, ISSN 0973-0338, Vol. 9, Iss1, March 2013.
18. **L. Ashok Kumar**, **T. Surendar Kashyap**, **Design & Simulation of Multi Input Converter for Hybrid Vehicle Applications**, *National Journal of Technology*, Vol. 9, No.3, Pg. No. 1 – 9, September 2013.
19. **L. Ashok Kumar**, **Y. Uma Maheswari**, **Efficiency Improvement of PV Water Pumping Systems by Automatic Water Spraying over PV cells**, *National Journal of Technology*, Pg. No. 20-32, ISSN-0973-1334, Vol. 8, No.4, December 2012.
20. **L. Ashok Kumar**, **Dr.Ila Vennila**, **Dr.T. Ramachandran**, **Design and Development of Tele monitoring System using Mobile Network for Medical Applications**, *National Journal of Technology*, Pg. No. 1 – 7, Vol. 7, No. 2, June 2011.
21. **L. Ashok Kumar**, **Dr. Ila Vennila**, **Dr.T. Ramachandran**, **Development of Bullet Wound Detection Circuit Using Flexible PCB for Teleintimation Garment**, *National Journal of Technology*, Pg. No. 75-83, Vol. 6, No.1, ISSN-0973-1334, March 2010.
22. **L. Ashok Kumar**, **Dr. A. Venkatachalam**, **M. Sivanandam**, **Implementation of MEMS Accelerometer in Looms for Warp Stop Motion**, *Journal of Institution of Engineers (India)*, Pg. No. 16 - 20, Vol. 91, August 2010.
23. **L. Ashok Kumar**, **Dr. Ila Vennila**, **Dr.T. Ramachandran**, **Development of Soldier's Status Monitoring Software for Teleintimation Garment**, *National Journal of Technology*, Pg. No. 18 – 23, Vol. 6, No. 4, December 2010.
24. **L. Ashok Kumar**, **Dr.T. Ramachandran**, **Emerging Trends in Flexible Wearable Electronics for Versatile Applications**, *The Indian Textile Journal*, Pg. No. 62-66, April 2010.
25. **L. Ashok Kumar**, **M. Senthil Kumar**, **Concept & Applications of RFID in Textile & Apparel Industry**, *The Indian Textile Journal* , Pg. No. 40 – 44, March 2010.
26. **L. Ashok Kumar**, **A.N. Sai Krishnan**, **Illuminated Clothing for Versatile Applications – in National Journal of Technology**, March 2006.
27. **K. Murugesh Kumar**, **L. Ashok Kumar**, **S.R. Sivarasu**, **Design and Development of Microcontroller Based Solar PV Systems for UPS**, *National Journal of Technology*, September 2006.
28. **L. Ashok Kumar**, **A. Venkatachalam**, **Intelligent Clothing – in National Journal of Technology**, June 2005.
29. **L. Ashok Kumar**, **Protective Textiles**, *Asian Textile Journal*, Pg. No. 93 to 106, Nov 2004.