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List of publications in refereed National/International journals during 2012

1. “Inverted Sine Pulsewidth Modulated Three-phase Cascaded Multilevel Inverter” **R.Seyezhai** International Journal of Advances in Engineering and Technology, Vol 2, issue 2, January 2012, pp.602-610.
2. “Matrix Converter Switching Strategy for Abnormal Voltage Conditions using Selective Harmonic Tracking Algorithm” M. Senthil Kumar , **Ranganath Muthu**, Siddharth Raju, International Journal of Modeling and Simulation, Vol.32, No. 1, pp. 57-64, Jan. 2012.
3. “MTUS: Modified triple umpiring system for wireless sensor Networks”, S. Ganesh, **R. Amutha**, National Journal of Technology, Vol. 8, NO.1, March 2012.
4. “Development of a secure body area network for a wearable physiological monitoring system using a PSoC processor” **N. Sriram**, S. Swathy and S. Vijayalakshmi, Journal of Medical Engineering and Technology, 36(1): 26-33, 2012.
5. “Adsorption of Metal Ions onto the Chemically Modified Agricultural Waste” **P.Senthil Kumar**, S. Ramalintgam, R.V. Abhinya, S. Dinesh Kirupha, A. Murugesan and S. Sivanesan, Clean – Soil, Air, Water 2012, 40(2), pp. 188-197.
6. “Chitosan nanoparticles as delivery systems for thipguanine” **K.Sathish Kumar**, S. Vujayalakshmi, S. Vaishanci and K. Rajasekar, Journal of pharmacy Research Vol. 5, issue 12, 2012, pp. 1-6.
7. “Removal of fatty acids in pongamia pinnata (karanja) oil using divinyl benzene – styrene copolymer resins for biodiesel product” **P.Senthil Kumar**, V. Sathyaselva Bala, K.V. Thiruvengadaravi, M.P. Prem kumar, V.Vinoth Kumar, S. Subash Kumar, M. Hari Kumar and S. Sivanesan, Biomass and Bioenergy 37, 335-341, 2012 (ELSEVIER)
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9. “Design and Implementation of Interleaved Boost Converter for Fuel Cell systems,” **R. Seyezhai** and **B.L. Mathur**, International Journal of Hydrogen Energy (Elsevier), Feb. 2012.
10. “Implementation of Solar Photovoltaic Source Fed Current Source Inverter,” R. Ramabrapha, K. Santhosh and **B.L. Mathur**, International Review of Electrical Engineering (IREE) (ISSN 1827-6660), Vol. 6, No. 7, pp. 3016-3026.
11. “Labview based speed control of DC Motor using modulus hogging approach,” Sarat. K. Sahoo, **Ashewinkumar Sahoo** and Razia Sultana, European Journal of Scientific Research, Vol. 68, No. 3, 2012, pp. 367-376.
12. “Soft magnetic composite switched reluctance generator – Fabrication and Analysis,” R. Karthikeyan, K. Vijayakumar and **R. Arumugam**, Journal of Advanced Materials Research Vol. 383-390, 2012, pp. 5516-5521.
13. “Vibration and Thermal Analysis of switched reluctance hub motor,” S. Prabhu, V. Chandrasekar, P. Karthikeyan, N.C. Lenin and **R. Arumugam**, European Journal of Scientific Research, Vol. 68, No. 1, 2012, pp. 12-20.

14. "A Comprehensive Review and Analysis of Solar Photovoltaic Array Configurations under Partial Shaded Conditions," **R. Ramaprabha** and **B.L. Mathur**, International Journal of Photo energy, Special issue on Recent Developments in Solar Energy Harvesting and Photo catalysis, Vol. 2012, pp. 1-16, Feb. 2012.
15. "Implementation of DSP based cost effective Inverter fed Induction Motor drive with ViSIM," **Ranganath Muthu**, and Nalinkant Mohanty, Journal of Electrical Engineering, Vol. 63, No.2, 2012, pp. 115-119.
16. "Design of GT-FLC Speed Controller and Position Sensorless Control using ANN for 8/6 SRM" V.Vasan Prabhu and **V. Rajini**, International Journal of Electrical Engineering, Vol. 5, No. 4 (2012), pp. 475-488.
17. "A comparative study of Asymmetric and Symmetric cascaded multilevel inverter employing variable frequency carrier based PWM," **R.Seyezhai**, International Journal of Emerging Technology and Advanced Engineering, Vol. 2, March 2012, pp. 230-237.
18. "Simple and Efficient Implementation of Two-Phase Interleaved Boost Converter for Renewable Energy Source," **R.Seyezhai**, Mounica Gaunta, Pallam reddy Nirupa and Thimmadi Akshitha, International Journal of Emerging Technology and Advanced Engineering, Vol. 2, issue 4, April 2012.
19. "Application of Circuit Model for Photovoltaic Energy Conversion System," **N. Pandiarajan, R. Ramaprabha** and **Ranganath Muthu**, International Journal of Photo energy, Special issue on Recent Developments in Solar Energy Harvesting and Photo catatlysis, Vol. 2012, Article ID 410401, pp. 1-14.
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23. "Particle swarm optimization using Gaussian and Cauchy probability distribution function for optimal power flow problem," **N. Muthuselvan** and P. Somasundaram, International Journal of Power and Energy conversion, Vol. 3, No. ½, 2012.
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37. "Novel Ubiquitous Interoperable Context-Aware Smart Environments through Web Services" **R. Vinob Chander**, International Journal of Engineering Lecture Notes in Engineering and Computer Science 2012, pp. 646-650.
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