

## Department of Electrical and Electronics Engineering

### Faculty Publications

#### Research Paper Publications by the Faculty in Journals (2016-2017)

S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
1.	Dr. Deiva Sundari P	LOCV-VSS-INC Strategy based Hybrid MPPT Controller for Remote Power Applications	IET Power Electronics ISSN No: 1755-4535	Accepted for publication, Jan 2017	Cite Score: 3.28 SJR:1.083 SNIP: 1.289 Impact Factor: 1.683	Yes	Yes H5 index: 35	IEEE
2.	Dr. Deiva Sundari P	Zero voltage switching - pulse width modulation technique - based interleaved flyback converter for remote power solutions DOI: 10.1049/ietpel.2015.0365	IET Power Electronics ISSN No: 1755-4535	Vol 9, Issue 7, 09 June 2016, pp: 1381 - 1390	CiteScore:3.28 SJR:1.083 SNIP:1.289 Impact Factor: 1.683	Yes	Yes H5 index: 35	IEEE

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
3.	Dr. Deiva Sundari P	A Comparison of Existing MPPT Techniques for a PV system with Interleaved Converter	Australian Journal of Basic and Applied Sciences ISSN:1991-8178 EISSN: 2309-8414	Vol 10(5) pg:69-75 Special Issue 2016	SJR:0.125 SNIP:0.501 Impact Factor: 0.23	No	Yes H5 index: 12	AENSI
4.	Dr. Deiva Sundari P	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 and Applied Sciences ISSN:1991-8178 EISSN: 2309-8414	Vol 10(5) pg:76-82 Special Issue 2016	SJR:0.125 SNIP:0.501 Impact Factor: 0.23	No	Yes H5 index: 12	AENSI
5.	Ms. Saravanakamalam D	Study on LLC Resonant Converter for EMI Reduction	Australian Journal of Basic and Applied Sciences ISSN:1991-8178 EISSN: 2309-8414	Volume 10(5) Special 2016, Pages: 117-126	SJR:0.125 SNIP:0.501 Impact Factor: 0.23	No	Yes H5 index: 12	AENSI

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
6.	Dr. Deiva Sundari P	Analysis and Implementation of MPPT Algorithm for a PV System with High Efficiency Interleaved Isolated Converter DOI 10.1007/978-981-10-1645-5_46	Advances in Intelligent Systems and Computing ISSN: 2194-5357	Volume 467, pp 551-560 Date: 13 October 2016	Cite Score :0.21 SJR:0.153 SNIP:0.176	No	No	Springer
7.	Dr. Mayurappriyan P.S.	Distinct Exploration on Two-Level and Hybrid Multilevel Converter for Stand-alone Solar PV Systems DOI 10.1007/978-981-10-1645-5_25	Advances in Intelligent Systems and Computing ISSN: 2194-5357	Volume 467, pp 301-316. October 2016	Cite Score :0.21 SJR:0.153 SNIP:0.176	No	No	Springer
8.	Dr. Mayurappriyan P.S.	Dynamic Scheduling of Machines Towards the Vision of Industry 4.0 Studio – A Case Study DOI 10.1007/978-981-10-1645-5_9	Advances in Intelligent Systems and Computing ISSN: 2194-5357	Volume 467, pp 103-112. October 2016	Cite Score :0.21 SJR:0.153 SNIP:0.176	No	No	Springer

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
9.	Dr. Mayurappriyan P.S.	Distributed Generator Placement and Sizing Based on Genetic Algorithm DOI 10.1007/978-981-10-1645-5_32, 2016	Advances in Intelligent Systems and Computing ISSN: 2194-5357	Volume 467, pp 377-386. October 2016	Cite Score :0.21 SJR:0.153 SNIP:0.176	No	No	Springer
10.	Mr. Vinoth K	FPGA Based Digital Multicarrier Offset PWM Method for Asymmetrical Thirteen Level Inverter for Solar PV DOI 10.1007/978-981-10-1645	Advances in Intelligent Systems and Computing ISSN: 2194-5357	Volume 467, October 2016	Cite Score :0.21 SJR:0.153 SNIP:0.176	No	No	Springer
11.	Mr. Pradeep S, Mr. PreshNave M	Adaptive Control Technique for Generator Side Power System Voltage Stability at Wind Power Station DOI 10.1007/978-981-10-1645-5_45	Advances in Intelligent Systems and Computing ISSN: 2194-5357	Volume 467, 5 - 45 October 2016	Cite Score :0.21 SJR:0.153 SNIP:0.176	No	No	Springer

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
12.	Mr. Loganathan N, Mr. ArunVenkatesh J	A Robust Energy Management System for Smart Grid DOI 10.1007/978-981-10-1645-2016	Advances in Intelligent Systems and Computing ISSN: 2194-5357	Volume 467, 5 -36 October 2016	Cite Score :0.21 SJR:0.153 SNIP:0.176	No	No	Springer
13.	Ms. Ammal Dhanalakshmi M, Ms. Parani Ganesh M Ms. Keerthana Paul	Analysis of Optimum THD in Asymmetrical H Bridge multi level Inverter using HPSO Algorithm DOI 10.1007/978-981-10-1645-5_47	Advances in Intelligent Systems and Computing ISSN: 2194-5357	Volume 467, 5 -47 October 2016	Cite Score :0.21 SJR:0.153 SNIP:0.176	No	No	Springer
14.	Dr. Mayurappriyan P.S.	Voltage Balancing of Five Level Diode Clamped Multilevel Inverter Using Five Level Boost Converter	International Journal of Control Theory and Applications (ISSN: 0974-5572)	Vol. 9, Issue 15, 2016, pp 7557-7570 2016	Cite Score: 10.33 SJR:0.526 SNIP:1.466	No	No	International Science Press

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
15.	Ms. Gayathri R, M. Preshnave M Dr. Mayurappriyan P.S.	Dynamic Analysis of Wind Turbine Driven doubly Fed Induction Generator - A Literature Review DOI 10.1007/978-981-10-1645-5_9	International Journal of Control Theory and Applications (ISSN: 0974-5572)	Vol. 9, Issue 13, 2016, pp 6239-6248 2016	Cite Score: 10.33 SJR:0.526 SNIP:1.46 6	No	No	International Science Press
16.	Ms. Annes.J, Ms. Ammal Dhanalakshmi .M, Mr. Arun Venkatesh J, Ms. Keerthana Paul	Design of standalone hybrid lighting system	International Journal of Electronics and Electrical Engineering IJEEE (ISSN(O) 2321-2055 ISSN(P) 2321-2045)	Volume No.08, Issue 02, Page 366-371 July- Dec 16	No	No	Yes H5 index: 3	AR Research publication

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
17.	Mr. Arun Venkatesh. J, Ms. Swethamarai. P	Comparison of DVR and D- Statcom for Harmonic Compensation based on Non- Iterative optimization Algorithm	International Journal of Electronics and Electrical Engineering IJEET (ISSN(O) 2321-2055 ISSN(P) 2321-2045)	Volume No.08, Issue 02, Page 366-371 July- Dec 16	No	No	Yes H5 index: 3	AR Research publication
18.	Mr. Arun Venkatesh J, Mr. Rajesh S, Mr. Balaji S	An Inductor less DC-DC Voltage Magnifier for Solar Photovoltaic System DOI: 10.1109/ICEEOT.2016.7755611	IEEE catalog ISBN: 0-7803-8633-7 ISSN: 1085-1992	<a href="http://ieeexplore.ieee.org/document/7755611/">http://ieeexplore.ieee.org/document/7755611/</a> 24 November 2016	No	No	No	IEEE

## Department of Electrical and Electronics Engineering

### Research Paper Publications by the Faculty in Journals

(2015-2016)

S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
1.	Mr. J. Arun Venkatesh	Implementation of multi level inverter for PV application with Novel PWM technique	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, Number 44, 2015, pp. 31336-31344	Cite Score: 0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
2.	Mr. J. Arun Venkatesh	Voltage Sag compensation in Stand Alone Power System using SRF theory	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, Number 66, 2015, pp. 203-205	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
3.	Dr. P. Deiva Sundari Ms. J. Agnus Jenith	Integration of DC-DC CUK Converter for Efficient Regenerative Braking in Hybrid Electric Vehicles	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, Number 36 2015, pp.27764-27769	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication



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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
4.	Mr. Subash Chandra Bharathi. S	Implementation of NOR Flash Memory	International Journal of Computer Science and Engineering Communications ISSN: 2347-8586 ISSN-L:2347-8586	Vol.3, Issue 2, 2015, Page.999-1005,	No	No	No	-
5.	Mr. Subash Chandra Bharathi. S	Implementation of NOR Flash Memory Using JFFS2	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, Number 23 2015, pp.20835-20839	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
6.	Mr. Subash Chandra Bharathi. S Ms. J. Agnus Jenith	Implementation of an Embedded system of UART and LED using UBOOT& Linux DOI: 10.1109/ICSTM.2015.7225464	IEEE Xplore®, IEEE ISBN: 0-7803-8633-7 ISSN: 1085-1992	<a href="http://ieeexplore.ieee.org/document/7225464/">http://ieeexplore.ieee.org/document/7225464/</a> 27 August 2015	No	No	No	IEEE

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
7.	Mr. N. Loganathan	Demand side energy management system using ANN based linear programming approach DOI:10.1109/ICCIC.2014.7238322	IEEE Xplore ISBN: 0-7803-8633-7 ISSN: 1085-1992	<a href="http://ieeexplore.ieee.org/document/7238322/">http://ieeexplore.ieee.org/document/7238322/</a> 07 September 2015	No	No	No	IEEE
8.	Ms. Ramya. L.N	A Case Study on Effective Consumption of Energy Using Sensor Based Switching System DOI: 10.1109/ICIECS.2015.7192908	IEEE Xplore ISBN: 0-7803-8633-7 ISSN: 1085-1992	<a href="http://ieeexplore.ieee.org/document/7192908/">http://ieeexplore.ieee.org/document/7192908/</a> 13 August 2015	No	No	No	IEEE
9.	Dr. P. Deiva Sundari Ms. J Agnus Jenith	Implementation of multiple input multiple output switched capacitor voltage copier circuit for automotive applications DOI: 10.1109/ICEEOT.2016.7755613	IEEE catalog ISBN: 0-7803-8633-7 ISSN: 1085-1992	<a href="http://ieeexplore.ieee.org/document/7755613/">http://ieeexplore.ieee.org/document/7755613/</a> 24 November 2016	No	No	No	IEEE

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
10.	Dr. P. Deiva Sundari Ms. J Agnus Jenith	Level shifting voltage copier for hybrid electric vehicles DOI: 10.1109/ICCEOT.2016.7755612	IEEE catalog ISBN: 0-7803-8633-7 ISSN: 1085-1992	<a href="http://ieeexplore.ieee.org/document/7755612/">http://ieeexplore.ieee.org/document/7755612/</a> 24 November 2016	No	No	No	IEEE
11.	Dr. P. Deiva Sundari	Five level Diode clamped Inverter with three level boost converter	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, Number 09 2015, pp.9047-9050	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
12.	Dr. P. Deiva Sundari Mr. S. Balaji	High boost ratio hybrid DC-DC converter for batter charging applications	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, Number 09 2015, pp.7333-7337	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
13.	Dr. P. Deiva Sundari Mr. S. Rajesh	A Bidirectional Switch Based High Efficiency Isolated Resonant Converter for Plug in Hybrid EV Charging Application	International Journal of Emerging Trends in Engineering Research ISSN 2347-3983	Vol. 3 No.1, Pages : 22 – 26	No	No	No	WARSE publication
14.	Ms. J. AgnusJenith Dr. P. DeivaSundari	Implementation of Multiple Input Multiple Output Switched Capacitor Resonant DC-DC Converter using Double, Half and Inverting Circuits DOI: 10.1109/EESCO.2015.7253968	IEEE Xplore Electronic ISBN: 978-1-4799-7678-2 Print ISBN: 978-1-4799-7676-8	Pp: 24-25 ,10 September 2015	No	No	No	IEEE

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### Research Paper Publications by the Faculty in Journals

(2014 – 2015)

S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
1.	Dr. P. Deiva Sundari	Instantaneous Power based Current Control Scheme for VAR Compensation in Hybrid AC/DC Networks for Smart Grid Applications DOI: 10.1049/iet-pel.2013.0253	IET Power Electronics Print ISSN: 1755-4535	Volume: 7, Issue: 5, 2014	CiteScore:3.28 SJR:1.083 SNIP:1.289 Impact Factor: 1.683	Yes	Yes H5 index: 35	IEEE
2.	Dr. P. Deiva Sundari	Nonlinear Intermittent Instabilities and their Control in an Interleaved DC/DC Converter DOI: 10.1049/iet-pel.2013.0313	IET Power Electronics Print ISSN: 1755-4535	Volume: 7, Issue: 5, Year: 2014	CiteScore:3.28 SJR:1.083 SNIP:1.289 Impact Factor: 1.683	Yes	Yes H5 index: 35	IEEE

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
3.	Dr. P. Deiva Sundari	Power Quality Improvement in a LVDC Ceiling Grid DOI: 10.1049/iet-pel.2014.0715	IET Power Electronics Print ISSN: 1755-4535	Volume: 8, Issue: 10, Year: 2015	CiteScore:3.2 8 SJR:1.083 SNIP:1.289 Impact Factor: 1.683	Yes	Yes H5 index: 35	IEEE
4.	Ms. Ramya.V.	Flywheel Energy Storage System, technology by using partial magnetic levitation	Journal of Chemical and Pharmaceutical Science ISSN 0974-2115	Issue 4, 2014, pp- 257-259	Cite Score:0.13 SJR:0.123 SNIP:0.156	No	No	-
5.	Mr. J. Arun Venkatesh	Mitigating Power Quality Problems and Comparison of PV supported Dynamic Restorer and Distribution STATCOM in Stand Alone Wind Energy Conversion System	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 9, Number 24, 2014, pp. 26431- 26445	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
6.	Mr. S. Rajesh Dr. P. DeivaSundari	Two stage HP LED Driver for Street Lighting Applications	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Vol. 9 No.25 (2014) pp. 8650-8654	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
7.	Mr. S. Rajesh Dr. P. DeivaSundari	A Bidirectional Switch Based High Efficiency Isolated Resonant Converter for Plug in Hybrid EV Charging Application	International Journal of Emerging Trends in Engineering Research ISSN 2347 - 3983	Vol. 9 No.25 (2014)	No	No	No	WARSE
8.	Mr. S. Balaji Dr. P. DeivaSundari	Magnetic less DC-DC Converter for Solar System	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 9, Number 25, 2014, pp. 26431- 26445	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
9.	Mr. K. Karthikeyan	Augmenting Solar Power with Ultra Capacitor	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, No.10 (2015)	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
10.	Ms. M. A. Femina	Automatic Segmentation of Foetal Heart Chamber from Ultra Sound Images	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 9, Number 25 (2014) pp. 8633-8635	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
11.	Mr. K. Vinoth	Fuzzy Logic Control and Minimizing Commutation Torque Ripple for Brushless DC motor Based on SEPIC Converter	International Journal of modern Trends in Engineering ISSN 2393-8161 EISSN 2349-9745	Volume 1, Issue 6, Dec 2014	No	No	No	WARSE



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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
12.	Ms. Ramya. L. N	Energy Conservation – A Case Study	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, No.9 (2015)	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
13.	Mr. RameshPrabhu Dr. P. DeivaSundari	Permanent Magnet Synchronous Wind Generator With Matrix Converter Using Venturini Algorithm	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Volume 10, Number 9 (2015)	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication
14.	Dr. P. DeivaSundari	Swing Generator Using Power Electronics	International Journal of Applied Engineering Research ISSN 0973-4562 EISSN 0973-9769	Vol. 9 No.25 (2014)	Cite Score:0.13 SJR:0.13 SNIP:0.26	No	Yes	RI publication

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S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher
15.	Dr. P. Deiva Sundari	Power Quality Improvement in a Low-Voltage DC Ceiling Grid Powered System DOI: 10.1049/iet-pe1.2014.0715	IET Power Electronics ISSN 1755-4535 EISSN 1755-4543	Vol.8(10) · May 2015	CiteScore:3.28 SJR:1.083 SNIP:1.289 Impact Factor: 1.683	Yes	Yes H5 index: 35	IEEE
16.	Dr. P. Deiva Sundari Mr. Ramesh Prabhu	Efficiency Prediction of ESP through Mathematical Modeling for PV Applications	International Journal of Engineering Research and General Science ISSN 2091-2730	Volume 3, Issue 2, Part 2, March-April, 2015, pp: 49 - 504	No	No	No	PNR