

PUBLICATION DETAILS

Google Scholar Citations: 39 ; h-index:3

International Journals : 11
National Journal : 1
International Conferences : 16
National Conferences : 6

PUBLICATIONS

GOOGLE SCHOLAR CITATIONS : 39

H -INDEX : 3

I-10 INDEX:1

INTERNATIONAL JOURNALS

1. **Rohini.G**, Jamuna.V, Abirami.M and Ramprakash.R (2013), 'Modeling of Photovoltaic Array and Simulation of MPPT Algorithm', Advanced Materials Research Journal, Trans Tech Publications, Switzerland, Vol.768, pp 23-28 (Cited by :1)
2. **Rohini.G**, Jamuna.V, D.Priyadarsini (2014), 'Photovoltaic array under partial shading condition, for irrigation', Applied Mechanics and Materials Journal, Vol. 622 pp 141-145.
3. **Rohini.G**, Jamuna.V, Manikandan.A (2015), 'PV array Fed Interleaved Buck boost converter', International Journal of Applied Engineering Research (**Scopus indexed**) vol. 10(42), pp 30899-30902
4. **Rohini.G**, Jamuna.V, (2016) 'PLL based enegy efficient system with Fuzzy logic based power tracker for smart grid applications'The Scientific World Journal (**scopus indexed**) , Hindawi Publications, vol.2016, pp 1-12
5. **Rohini.G**, Jamuna.V, Cynthia Nancy, Jenifer.A, (2016) 'Hybrid Control strategy to enhance the performance of Photovoltaic system' Pakistan Journal of Biotechnology(**Scopus Indexed**), vol.12, pp 415-420.
6. **Rohini.G** and Jamuna.V(2017) , "PV fed Bidirectional converter for Battery Charging Application" Journal of Advanced Research in dynamical and control systems.Vol.09 pp 645-660(**scopus indexed**)
7. **Rohini.G**, S.Vaishnavi, B.Yogeswaran and K.Surendra Kumar(2018)"High Efficient DC to DC converter for Portable Device"ARPJ Journal of Engineering and Applied Sciences" Vol. 13(11) pp 3765-3769(**Scopus Indexed**)
8. G.N.Swarnarekha, M.Surya, **Rohini.G** (2018)"Non-isolated bidirectional converter for Hybrid energy system"International Journal of Scientific Research and Review, DOI:16.10089.IJSRR.2018.V7I04.3581.4956,pp 283-287
9. **Rohini.G** , Bhushan, Catherine, Mohan V (2018) " Design of DC to DC converters for electric Vehicles" International Journal of Scientific Research and Review, DOI:16.10089.IJSRR.2018.V7I04.3581.4961 pp 325-328

10. Abishag Cynthia , Rohini G , Saritha N, Lavanya, Ganesh (2019)"Hybrid stand alone system for Rural Electrification " International Journal of Recent Technology and Engineering"Vol 8, Issue 2s5 pp 77-80
11. Rohini G , Monikandan R,Ramesh R, Vignesh K (2020)"Spybot for monitoring human activities in restricted area during COVID 19 lockdown"Journal of Critical Reviews , Vol 7 Issue 5, pp 1250-1259

NATIONAL JOURNAL

1. Rohini.G, Ali AJS (2015), 'Buck boost inverter based PV power Generation Systems', Indian Journal of Science and Technology, vol. 8(32)

INTERNATIONAL CONFERENCES

1. Priya.P, Rohini.G(2010) "Simulation of CCM Boost converter for High Voltage Applications" International Conference on Swarm , Evolutionary and memetic computing (SEMCCO 2010)Dec 16-18, pp 58
2. N.Vidyarubini, **Rohini.G**(2011) "Z-source inverter based photovoltaic power Generation system", 2011 International Conference on Emerging Trends in Electrical and Computer Technology, pp 29-34 (Cited by :6)
3. Jenifer A., **Rohini G** and Jamuna V (2012), 'Development of MATLAB simulink model for photovoltaic arrays', IEEE International Conference on computing Electronics and Electrical technologies, Noorul Islam Centre for Higher Education, IEEE Explorer 978-1-4673-0210-4/12, pp. 436 - 442.(Cited by:18)
4. Newlin Nisha, **Rohini G** and Jamuna V (2012), 'Digital Simulation of a Single and Interleaved Soft Switching Boost Converter for Photovoltaic Array', IEEE International Conference on computing Electronics and Electrical technologies, Noorul Islam Centre for Higher Education, IEEE Explorer 978-1-4673-0210-4/12, pp. 307-313. (Cited by :2)
5. **Rohini.G** and Jamuna.V, (2012) 'Dynamic Analysis of positive output super lift converter', IEEE International Conference on Power Electronics , Drives and Energy Systems, IISc, Bengaluru, India. IEEE Explorer, DOI : 10.1109/PEDES.2012.6484493, pp 1-5 (Cited by: 4)
6. Abirami.M, **Rohini.G** and Jamuna.V (2013), 'High Efficiency Soft-Switched Interleaved Boost Converter with INC MPPT in PV systems', International Conference on Computation of Power, Energy, Information and Communication, Adhiparasakthi Engineering College, ISBN: 978-1-4673-6406-5/13, pp 1-7.
7. Abhilasha Singh, Suganthi Mary.S , **Rohini. G** and Jamuna. V, (2013) 'PV Array fed SEPIC Converter for Irrigation System', International Conference in Magna on Emerging Engineering Trends, Chennai, pp 229-233.

8. Abirami.M, **Rohini.G** and Jamuna.V (2013), 'Digital Simulation of INC with ISSBC for PV System', National Conference on Recent Trends on Power Electronics and Power Systems, RMK Engineering College, pp 148-155.
9. Ramprakash.R, **Rohini.G** and Jamuna.V (2013), 'Maximum Power Point Tracking of PV Array using Incremental Conductance Algorithm', National Conference on Recent Trends on Power Electronics and Power Systems, RMK Engineering College, pp 33-39.
10. **Rohini.G**, Jamuna.V and Cynthia Nancy(2015) 'PV based energy efficient system comprising the effects if partial shading' International Conference on Advances in Mechanical Engineering held at University College of Engineering , Villupuram on 15th October 2015
11. **Rohini.G** and Jamuna.V(2016)'Bidirectional DC -DC converter based standalone PV system for Battery charging Applications' International Conference on Communication and Control Engineering , held at University College of Engineering , Villupuram on 29th December 2016
12. **Dr. G. Rohini**, S. Vaishnavi, B. Yogeshwaran, K. Surendra Kumar (2017) , ' DC –DC converter with smooth mode transition for portable device ', International conference on emerging trends in science ,Engineering and Technology, Jerusalem College of Engineering , Chennai .pp 202-207
13. **Dr.Rohini. G**, Bhagya.V ,Daniel Prabhakaran.S.M, Infancia.A(2017), 'Two input DC-DC converter for HEV application', in proceedings of International conference on emerging trends in science ,Engineering and Technology, Jerusalem College of Engineering , Chennai, pp 178 -182
14. **Rohini.G** , Jamuna.V(2017) "Hysteresis current controller based three stage interleaved converter for standalone PV system: in proceedings of International conference on emerging trends in science ,Engineering and Technology, Jerusalem College of Engineering , Chennai
15. Lavanya.M, Ganesh.H, Abishag Cynthia,**Rohini.G** (2019)" Solar Wind hybrid system for rural Applications" in proceedings of International conference on emerging trends in science ,Engineering and Technology, Jerusalem College of Engineering, Chennai, pp 68-72
16. **Rohini.G**, Janani.N.S, Monika.S and P.Vimala (2019)" Four quadrant Bi-directional Dc/DC converter for Electric vehicles" in proceedings of International conference on emerging trends in science ,Engineering and Technology, Jerusalem College of Engineering, Chennai, pp 73-78

NATIONAL CONFERENCES

1. Shanmugavel.G., Isai amudhan.A, Saravana kumar.R., **Rohini.G** , (2012), 'PV fed Boost Converter with MPPT Algorithm', National Conference on Innovative Techniques in Power Engineering and Drives, Velammal Engineering College, pp.138-143

2. Ramprakash.R, **Rohini.G** and Jamuna.V (2013), 'Maximum Power Point Tracking of PV Array using Incremental Conductance Algorithm', National Conference on Recent Trends on Power Electronics and Power Systems, RMK Engineering College, pp 33-39.
3. Abirami.M, **Rohini.G** and Jamuna.V (2013), 'Digital Simulation of INC with ISSBC for PV System', National Conference on Recent Trends on Power Electronics and Power Systems, RMK Engineering College, pp 148-155.
4. 4.V. Jamuna, **G. Rohini**, D. Priyadarsini (2014), Matlab Based Modeling of Photovoltaic Array Under Partial Shading Condition, National Conference on Intelligent Power Electronics Technology (IPET-2014), R.M.D. Engineering College, PP.8-13.
5. .A.Manikandan, **G.Rohini** and V.Jamuna (2015), 'PV array fed interleaved buck boost converter', National conference on Recent Advances in Science, Engineering and Management, Tagore Engineering College, Chennai, 20th March 2015.
6. Rohini G, P.Divya, M.gayathri (2020) ,"Agricultural Bot with plant health Indication" International e-conference on Science and Technology for Environmental enrichment and public health , organized by Easwari Engineering College 30th September 2020