

### Research Publications 2022-2023

S.No	TITLE	JOURNAL NAME	AUTHORS NAME	VOLUME, ISSUE & PAGE NO.	ONLINE PAPER LINK/DOI
1.	Design of microstrip antenna using high frequency structure simulator for 5G applications at 29 GHz resonant frequency	International Journal of Advanced Technology and Exploration (Scopus)	S. Senthilkumar, K. Udhayanila, <b>V. Mohan,</b> T. Senthil Kumar, D. Devarajan & G. Chitrakala	vol. 9, no. 92, PP. 996- 1008, 2022.	DOI: 10.19101/IJATEE. 2021.875500.
2	Soliton propagation in colloidal suspension: Numerical simulation and modulation instability	Neuro Quantology (Scopus)	S.Senthilkumar, V. Mohan, T. Senthil Kumar, G. Chitrakala (Scopus)	Jul 2022   Volume 20 , Issue 7 , Page 2277-2284 .	DOI: 10.14704/nq.2022. 20.7.NQ33295

### Research Publications List 2021-2022

S.No	TITLE	JOURNAL NAME	AUTHORS NAME	VOLUME, ISSUE & PAGE NO.	ONLINE PAPER LINK/DOI
1.	Studies on copper indium selenide/Zinc sulphide semiconductor quantum dots for solar cell applications	Chalcogenide Letters	P. J. Suresh Babu,, T. Suresh Padmanabhana, M. I. Ahamed, A. Sivaranjani	vol. 18, no. 11, pp: 701 – 715, 2021	<a href="https://chalcogen.ro/701_Suresh PJS.pdf">https://chalcogen.ro/701_Suresh PJS.pdf</a>
2.	Analysis of Single-Diode PV Model and Optimized MPPT Model for Different Environmental Conditions	International Transactions on Electrical Energy Systems	S. Senthilkumar, V. Mohan , S. P. Mangaiyarkarasi and M. Karthikeyan,	vol. 2022, no.4980843, pp: 1-17,2022	<a href="http://hindawi.com/journals/itees/2022/4980843/">hindawi.com/journals/itees/2022/4980843/</a>
3.	Estimation of Locational Marginal Pricing Using Hybrid Optimization Algorithms	Intelligent automation & Soft computing	M. Bhoopathi, P. Palanivel	vol.31, no.1, pp.143-159, 2022	doi:10.32604/iasc.2022.017705

### Research Publications 2020-2021

S.No	TITLE	JOURNAL NAME	AUTHORS NAME	VOLUME, ISSUE & PAGE NO.	ONLINE PAPER LINK/DOI
1.	Harmonic performance analysis of a wind driven micro grid inverter	International Journal of Ambient Energy (a Taylor & Francis journal)	Sri Devi Ravanan , Ezhilarasi Arivukkannu, Suresh Padmanabhan Thankappan & Ramaswamy Muthiah	latest issue .oct 2020.	<a href="https://doi.org/10.1080/01430750.2020.1839547">https://doi.org/10.1080/01430750.2020.1839547</a>
2.	Design of Linear Quadratic Regulator Based Controller for Hybrid Solar-Wind Driven Micro-Grid Inverter	Journal of Green Engineering SCOPUS indexed	Sridevi Sukumaran, Ezhilarasi Arivukkannu, Suresh Padmanabhan Thankappan, Ramaswamy Muthiah	vol.10 , no. 9 , pp: 5380-5400,2020	<a href="http://www.jgenng.com/volume10-issue9.php">http://www.jgenng.com/volume10-issue9.php</a>
3.	Small Signal Perturbation Analysis For Parallel Micro Grid Inverters	International Journal of Advanced Research In Engineering And Technology (IJARET) SCOPUS indexed	Sridevi Sukumaran, Ezhilarasi Arivukkannu, Suresh Padmanabhan Thankappan and Ramaswamy Muthiah	vol.11, no.9 pp: 928-946, 2020	DOI 10.34218/IJARET. 11.9.2020.092
4.	Component Count Reduced, Filter-Less H-Bridge Multilevel Inverter with Series and Parallel Connected Switches	Journal of Circuits, Systems and Computers. SCI-E JOURNAL.	M Vijayakumar and S. M. Ramesh	vol.30, no.3, pp :2150052 , 2021	<a href="https://doi.org/10.1142/S0218126621500523">https://doi.org/10.1142/S0218126621500523</a>
5.	Design of Multi-Purpose Charger Using an L2C Resonant Converter	Journal of Computational and Theoretical Nanoscience	T.SureshPadmana bhan, M.Vijayakumar, M.Ramesh, and V. Mohan	vol. 18, no 3, pp: 885-891(7), 2021	<a href="https://www.ingentaconnect.com/contentone/asp/jctn/2021/00000018/00000003/art00035">https://www.ingentaconnect.com/contentone/asp/jctn/2021/00000018/00000003/art00035</a>
6.	A new approach for commutation torque ripple reduction of FPGA based brushless DC motor with outgoing phase current control	Microprocessors and Microsystems	A.Senthilnathan, P.Palanivel	vol. 75, pp: 103043,2020	<a href="https://doi.org/10.1016/j.micpro.2020.103043">https://doi.org/10.1016/j.micpro.2020.103043</a>

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1.	Optimised domestic load scheduling for power management in smart grid	GIS Science Journal	R.Anandaraj, A.Albertmartin ruban, N.Rajeswari, K.Nithya.	vol.7, no.9, pp: 329-334, 2020.	DOI:20.18001.GSJ.2020.V7I9.20.35732
2.	Normally Bypassed Cascaded Sources Multilevel Inverter with RGA Optimization for Reduced Output Distortion and Formulaic Passive Filter Design	Journal of Circuits, Systems, and Computers (JCSC)	Chitrakala, G, Stalin, N & Mohan, V,	vol. 29, no. 2, pp: 2050019 (1-21), 2020.	<a href="https://www.worldscientific.com/doi/abs/10.1142/S021812662050019X">https://www.worldscientific.com/doi/abs/10.1142/S021812662050019X</a>
3.	Cascaded Multilevel Inverter With MPPT For PV System	GIS Science Journal	R. Anandaraj, R.Natarajan, M.Vijayakumar, T. Suresh Padmanabhan, V. Mohan	vol.7, no.9, pp: 322-328, 2020.	DOI:20.18001.GSJ.2020.V7I9.20.35731

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1.	Optimized pseudo-derivative feedback with feed-forward Controller using flower pollination algorithm for Automatic generation control in a restructured Power System	Journal of Electrical Engineering. SCOPUS indexed	G. Ganesan @ Subramanian, I.A. Chidambaram and J. Samuel Manoharan	vol.18, no.3, pp: 1-15, 2018.	<a href="http://www.jee.ro/index.php/jee/article/view/WH1512046601W5a2000099dcaa">http://www.jee.ro/index.php/jee/article/view/WH1512046601W5a2000099dcaa</a>
2.	Neural network controller based sequential switch cascaded H-bridge multilevel inverter	International Journal of Engineering & Technology (UAE). SCOPUS indexed.	M.Ramya, P.Usha Rani, G.Ganesan @ Subramanian, K. Ramash Kumar	vol.7; no.2.8, pp: 592-598, 2018	<a href="https://www.sciencepubco.com/index.php/ijet/article/view/10527">https://www.sciencepubco.com/index.php/ijet/article/view/10527</a> DOI: 10.14419/ijet.v7i2.8.10527
3.	Determination of optimized gain value for a two area interconnected systems with energy sources in deregulated environment.	International Journal of Advance and Innovative Research,(UGC Referred Journal)	G. Ganesan @ Subramanian, I.A. Chidambaram and J. Samuel Manoharan	vol.5, no.3, pp: 30-37, 2018.	<a href="http://iaraedu.com/pdf/ijair-volume-5-issue-3-iv-july-september-2018.pdf">http://iaraedu.com/pdf/ijair-volume-5-issue-3-iv-july-september-2018.pdf</a>
4.	Price based automatic generation control in a two area Thermal-Thermal interconnected restructured power systems	International Journal for Research in Engineering Application & Management. (S.No: 64077; UGC ReferredJournal)	G. Ganesan @ Subramanian, I.A. Chidambaram and J. Samuel Manoharan.	vol.4, no.12, pp: 86-91, 2019.	<a href="http://ijream.org/papers/IJREAMV04I1248070.pdf">http://ijream.org/papers/IJREAMV04I1248070.pdf</a>
5.	Locational marginal pricing calculation using concentrated and distributed model based on DCOPF in power market	Journal of electrical engineering	M.Bhoopathi, Dr.P.Palanivel	vol 19, no. 3 2019.	<a href="http://www.jee.upt.ro/index.php/jee/article/view/WS1531048853W5b41f3957eeb8">http://www.jee.upt.ro/index.php/jee/article/view/WS1531048853W5b41f3957eeb8</a>