

Dr.V.Agnes Idhaya Selvi
Associate Professor
Kalasalingam Academy of Research and Education
Krishnakovil-626126

Publication- Journal

1. Krishna paramathma, D.Devaraj, **Dr.V.Agnes Idhaya Selvi**, Karuppasamypandiyan, “Development of online demand response framework for Smart Grid infrastructure towards social welfare” International Transactions on Electrical Energy Systems (2020) (**IF=1.692**) (**Accepted for Publication**) (**Scopus Cited**)
2. Karuppasamypandiyan, Dr.P.Aruna Jeyanthi, Dr.D.Devaraj, **Dr.V.Agnes Idhaya Selvi**, “Day ahead dynamic available transfer capability evaluation incorporating probabilistic transmission capacity margins in presence of wind generators” International Transactions on Electrical Energy Systems (2020) (**IF=1.692**)
3. Danalakshmi, S. Prathiba, **V. Agnes Idhaya Selvi**, , “Control Strategies on Speed of DC motor and power sensor based speed regulator using SCILAB” Journal of Green energy Vol – 10, (03) PP. 646 - 661. (**Scopus Cited**)
4. Sundaramoorthi S, **Agnes Idhaya Selvi V**, Karuppasamypandiyan M, “Implementation of Embedded System Based High Performance Protective System in Vehicles”, International Journal of Recent Engineering and Technology, Volume Number 8, Issue Number 4S2, PP 344-347, 2019 Dec
5. Mrs. J. Kohila, Dr. D. Devaraj, **Agnes Idhaya Selvi**, “Development and Performance analysis of PSO optimized Sliding Mode Controller based Dynamic Voltage Restorer for power quality enhancement” International Transactions on Electrical Energy Systems (2019) (**IF=1.692**)
6. **Agnes IdhayaSelvi**, Sivan Kumar, Karuppasamypandiyan, Sheela, “IoT Based Power Management and Condition Monitoring in Microgrid”, Lectures Notes in Electrical Engineering, Springer. (**SCOPUS INDEXED**) 1876-1100
7. B.Kanagasakthivel, D.Devaraj, R.NarmathaBanuand **V.Agnes Idhaya Selvi**, “A Hybrid Wind - Solar Energy System with ANFIS based MPPT Controller”, Journal of Intelligent & Fuzzy Systems (Article in press), **IF: 1.261**.
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9. B.Kanagasakthivel, D.Devaraj, R.NarmathaBanu and **V.Agnes Idhaya Selvi**, “Doubly Fed Induction Generator Based Wind Energy Conversion System Using Matrix Converter With Model Predictive Controller”, International Journal of Pure and Applied Mathematics, Volume 118 No. 22 2018, 109-125.
10. **V. Agnes IdhayaSelvi**, R.Narmathabanu, D.Devaraj, M.Karuppasamypandiyan, Estimation of dynamic available transfer capability including Hopf bifurcation limit using step by step algorithm. International Journal of Power and Energy Conversion 09/2015; 8(2)., DOI:10.1504/IJPEC.2017.10002905
11. Danalakshmi, ThiruppathyKesavan, **V. Agnes Idhaya Selvi**,” Consumer CentricFlexible Reactive Power Pricing Using Scalable Technologies”, ECTI Transactions on Electrical Engineering, Electronics, and Communications, VOL.16, issue NO.2 August 2018 (pp. 1-9)
12. **V. Agnes Idhaya Selvi**, R. Narmathabanu, D. Devaraj, M. Karuppasamypandiyan: Differential evolution algorithm for computation of ATC in deregulated power system. International Journal of Control Theory and Applications (I J C T A), 9(15), 2016, pp. 7073-7080, International Science Press.

13. A.Sheela, V. **Agnes Idhaya Selvi**, “Compensation of Voltage Sag, Swell and Electrical Noise Using Distributed Generation Dynamic Voltage Restorer” Journal of controllers and converters, Volume 1 issue 1, May 2016 pp:1-13.
14. **V.Agnes Idhaya Selvi**, Dr.R.Narmatha Banu, D.Devaraj, Karuppasamypandiyan, “ON-Line Estimation of ATC Using Radial Basis Function Neural Network with Reduced Input Features” Submitted to Indian Journal of Science and Technology.

National/International Conference:

1. Karuppasamy pandiyan M, **Agnes IdhayaSelvi V**, Devaraj D, Sheela A, “On-Line Estimation of ATC using Radial Basis Function Neural Network with Reduced” 2019 IEEE International Conference on Clean Energy and Energy Efficient Electronics Circuit for Sustainable Development (INCCES) DOI: [10.1109/INCCES47820.2019](https://doi.org/10.1109/INCCES47820.2019) (**Scopus Cited**)
2. Karuppasamy pandiyan M M, Aruna Jeyanthi P, Devaraj D, **Agnes Idhaya Selvi V**, “An Efficient Non-dominated sorting Genetic algorithm II (NSGA II) for Optimal Operation of Micro Grid” 2019 IEEE International Conference on Clean Energy and Energy Efficient Electronics Circuit for Sustainable Development (INCCES) DOI: [10.1109/INCCES47820.2019](https://doi.org/10.1109/INCCES47820.2019) (**Scopus Cited**)
3. D Sangeeta Sarali, **V.Agnes IdhayaSelvi**, Karuppasamypandiyan, “An Improved Design for Neural-Network Based Model Predictive Control of Three Phase Inverters” 2019 IEEE International Conference on Clean Energy and Energy Efficient Electronics Circuit for Sustainable Development (INCCES) DOI: [10.1109/INCCES47820.2019](https://doi.org/10.1109/INCCES47820.2019) (**Scopus Cited**)
4. G Sathish KUMAR, **Agnes IdhayaSelvi**, Karuppasamypandiyan, “Design and Analysis for Energy Storage Systems for Transport and Grid Applications using SMES” 2019 IEEE International Conference on Clean Energy and Energy Efficient Electronics Circuit for Sustainable Development (INCCES). DOI: [10.1109/INCCES47820.2019](https://doi.org/10.1109/INCCES47820.2019) (**Scopus Cited**)
5. Karuppasamypandiyan, Dr.P.Aruna Jeyanthi, Dr.D.Devaraj, **Dr.V.Agnes Idhaya Selvi**, “Multi Objective Differential Evolution Algorithm for Optimal Building Energy Management System”, IEEE International Conference on “Intelligent Techniques in Control, Optimization and Signal Processing” INCOS’19-April’19. (**SCOPUS INDEXED**)
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7. **V. Agnes IdhayaSelvi**, KaruppasamyPandiyan, R. Narmathabanu, D. Devaraj: Artificial Neural Network Approach for On-Line ATC Estimation in Deregulated Power System. IEEE International Conference (EPSCICON 2014), Trissur, Kerala. 01/2014.
8. **V. Agnes idhayaSelvi**, M. KaruppasamyPandiyan; Estimation of FACTS Devices Control Parameter Settings for ATC Enhancement Using Artificial Neural Network. ICIECS'14, Karpagam college of Engineering, Coimbatore; 03/2014.
9. **V.Agnes Idhaya Selvi**, Dr.R.Narmatha Banu, D.Devaraj, Karuppasamypandiyan, “An Effective method of Computing Dynamic ATC in Deregulated Power System Considering Dynamic load Using Differential Evolution Algorithm” . IEEE International Conference on Control engineering and Signal Processing (INCOS 2017).25/03/2017-28/03/2017, Kalasalingam University, Krishnankoil.
10. Hariharasudhan, **Agnes idhaya selvi V**, Karuppasamypandiyn M, “Modified Differential Evolution algorithm for static ATC estimation”. IEEE sponsored, International Conference on Electrical, Electronics & Computer Engineering -2016, ISBN: 978-93-81830-95-6, Vivekanandha College of Engineering for Women.
11. Sivankumar N , **Agnes Idhaya Selvi V** , Karuppasamypandiyan M , “Power Management in Micro Grid Using Fuzzy Logic Control”, Fifth National Conference Power and Energy Systems-NPES’18 organized by Department of EEE, KARE.