

List of Publications

Journals

1. P. Venkatesh, R. Gnanadass and Narayana Prasad Padhy, "Comparison and Application of Evolutionary Programming techniques to Combined Economic Emission Dispatch with Line Flow Constraints", IEEE Transactions on Power Systems, Vol.18, No.2, May 2003, pp. 688-697.
2. R. Gnanadass, "Assessment of Available Transfer Capability for Indian Power Systems in Combined Economic Emission Environment", Water and Energy International Journal, Vol. 60, No.2, April-June 2003, pp.14-23.
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7. R. Gnanadass, Narayana Prasad Padhy and T.G. Palanivelu, "Determination of SRMC With Non-Smooth Fuel Cost Functions Using Evolutionary Programming" International Journal on Electric Power Components and Systems, Vol.33, No.1, January 2005, pp. 85-102.
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9. R. Gnanadass and Narayana Prasad Padhy, "A New Method for Transmission Embedded Cost Allocation in Restructured Power Market"

International Journal on Energy & Environment, Vol.4, May 2005, pp. 37-48.

- 10.R. Gnanadass, N.P. Padhy, T.G. Palanivelu and K. Manivannan,“ A New Transmission Embedded Cost Allocation to Feasible Wheeling Transactions – A Case Study on An Indian Power System”,Water and Energy International Journal, Vol. 62, No.3, July – September 2005, pp.38-43.
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- 16.R. Gnanadass, “ Optimal Power Dispatch of Power Producers with Ramping cost” Journal of The Institution of Engineers (India), Vol. 87, December 2006, pp. 22- 28.
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- 27.M. Anitha, S. Subramanian and R. Gnanadass, “FDR PSO Based Optimization for Non-Smooth Functions”, International Energy Journal, Vol. 10, No.1, March 2009, pp. 37 – 44.
- 28.R. Gnanadass, Narayana Prasad Padhy, P. Venkatesh and T.G. Palanivelu, “A Novel method for the Transmission Congestion Management in the Restructured Indian Power Market”, Journal of The Institution of Engineers (India), Vol. 90, June 2009, pp. 3 - 7.

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- 38.R. Rajathy, R. Gnanadass, K. Manivannan and Harish Kumar, "Differential Evolution based Algorithm for Congestion Management in a Deregulated Environment" The IUP Journal of Electrical & Electronics Engineering, Vol. IV, No.1, January 2011, pp. 46-64.
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66. Danalakshmi, D., S. Kannan, and R. Gnanadass. "Generator reactive power pricing for practical utility system using power flow tracing method." *International Journal of Engineering & Technology* 7.1.8, 2018, pp.20-25.
67. Geetha. A, Subramaniam. N.P. and Gnanadass.R. 'Operation of Current-fed Dual Active Bridge DC-DC Converters for Microgrid,' *International Journal of Recent Technology and Engineering (IJRTE)* at Vol.8, No.2, July 2019.
68. B. Muruganantham and R. Gnanadass, "Effective Utilization of Solar integrated Urban Distribution Network Infrastructure using Diurnal Load factor for Smart Cities", *Journal of Engineering for Sustainable buildings and Cities*, Vol. 1, No. 1, 2020, pp. 1- 12.

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- 18 Geetha. A, Subramaniam. N.P. and Gnanadass. R., "Current-Fed Dual Active Bridge DC-DC Converter Control for DC Microgrid", International Conference on Advances in Renewable Energy and Green Technology (ICARE), 7843, August 2019.

Titles of Ph.D. Produced

1. Dr. Rajathy, "Investigations on Power System operations in Restructuring Market", Pondicherry University, December 2011.
2. Dr. A. Ragavendiran, "Operating Performance of Power System Stabilizer for Multimachine Power System", Pondicherry University, September 2016.
3. Dr. M. Prabhavathi, "Bidding Strategies for Indian Restructured Power Market", Pondicherry University, October 2017.
4. Dr. M. Susithra, "Reactive Power Management in Restructured Power Market", Pondicherry University, October 2017.

5. Dr. Muthamizh Selvam, "Load Pattern based Classification and Pricing for Electricity Customers in Distribution System", Pondicherry University, 2018.
6. Dr. S. Suresh, "Performance and Analysis of Custom Power Devices in Distribution System", Pondicherry University, April 2019.
7. Dr. B. Muruganantham, "Time Series Load flow Analysis for Distributed Connected PV Generation", Pondicherry University, April 2019.