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List of Publications

Papers Published (International Journals SCI / SCOPUS INDEXED)

1. Bibin Christopher, V., **Jasper, J**(2020)“Jelly fish Dynamic Routing Protocol with Mobile Sink for Location Privacy and Congestion Avoidance in Wireless Sensor Network”, *Journal of Systems Architecture- Elsevier* , <https://doi.org/10.1016/j.sysarc.2020.101840>.
2. T.Benil, **Jasper, J**(2020)“Cloud based security on outsourcing using blockchain in E-health systems”, *Computer Network-Elsevier* ,[Volume 178](https://doi.org/10.1016/j.comnet.2020.107344), 4 September 2020,<https://doi.org/10.1016/j.comnet.2020.107344>
3. G.K, JabashSamuel.S., **J, Jasper**(2020) “MANFIS based SMART home energy management system to support SMART grid”, *Peer-to-Peer Networking Application, Springer Verlag* ,<https://doi.org/10.1007/s12083-020-00884-8>
4. Bibin Christopher, V., **Jasper, J**(2020)“DHGRP: Dynamic Hexagonal Grid Routing Protocol with Mobile Sink for Congestion Control in Wireless Sensor Networks”, *Wireless Personal Communication, Springer Verlag* (2020).<https://doi.org/10.1007/s11277-020-07146-z>
5. Isaac Sajan R, **Jasper J**(2020), “Trust-based secure routing and the prevention of vampire attack in wireless ad hoc sensor network”, *International Journal of Communication Systems, Wiley International*. 2020; e4341. <https://doi.org/10.1002/dac.4341>
6. G.K, JabashSamuel.S., **J, Jasper**(2020) “A NEW POINT OF VIEW FOR ESTIMATING OF DISSEMINATED GENERATION AND ENERGY STORAGE FOR MODISH FAMILY UNITS UNDER DEMAND REACTION”, *International Journal of Advanced Trends in Engineering and Technology* Volume 5, Issue 2, 2020
7. **Jasper J**,WolaitaSodo University, East Africa , Ethiopia, (2018) “Hybrid DE-NSO for Multi Type Economic Load Dispatch Problem (Economic Load Dispatch: An Approach using Differential Evolution Algorithm with Neighborhood Search Operator)”,*Journal of Electrical Engineering and science*, Volume (4) - Issue (2), 2018, pp 8-25, ISSN: 2455-1945, <http://dx.doi.org/10.18831/djeeee.org/2018021002>
8. **Jasper J &EbbieSelva Kumar**, (2018), “Fuzzy Logic Controller Based Power Quality

9. **Jasper J &EbbieSelva Kumar, (2018), “Soft computing techniques used power quality enhancement of doubly fed induction generator based wind energy conversion system”, *Technical Association of the Graphic Arts Sketty, Swansea, SA2 0QG, United Kingdom*, ISSN: 1748-0345 (Online),www.tagajournal.com 2785-2798**
10. **Jasper J &AntoViji,(2018), “Optimized and Secure Multiple Predictions Based Traffic Redundancy Elimination - A Survey”,*International Journal of Scientific Research in Science and Technology*, Volume (4), Issue (8), Print ISSN: 2395-6011, Online ISSN: 2395-602X.**
11. **R. Isaac Sajan,& Jasper J 2015, “Surveying the Effect of Vampire Attack in Wireless Ad-hoc Sensor Networks” I J C T A 8(4), 2015, pp. 1-7 International Science Press**
12. **Jasper,J&Shaheema, 2014, “Natural Image Enhancement Using A Biogeography Based Optimization Enhanced With Blended Migration Operator” *Mathematical Problems in Engineering*, vol. 2014.**
13. **Jasper, J&Aruldoss Albert Victoire, T 2014, “Dispatching a 19-Unit Indian Utility System Using a Refined Differential Evolution Algorithm”,*Mathematical Problems in Engineering*, vol. 2014.**
14. **Jasper, J&Aruldoss Albert Victoire, T 2013, “Differential evolution with random scale factor for economic dispatch considering prohibited operating zones”, *PrzeglądElektrotechniczny*, vol. 89, no. 5, pp. 187-191.**
15. **Jasper, J,Sivakumar, R.S, Aruldoss Albert Victoire, T &Deepa, S. N. 2012, “Cost Optimization of Power Generation Using a Differential Evolution Algorithm Enhanced with Neighborhood Search Operation”, *International Review of Electrical Engineering*, vol. 7, no. 5, pp. 5854-5865.**
16. **Jasper, J &Aruldoss Albert Victoire, T 2013, “Deterministically guided differential evolution for constrained power dispatch with prohibited operating zones”, *Archives of Electrical Engineering*, vol. 62, no. 4,pp. 593-603.**
17. **Jasper, J&Aruldoss Albert Victoire, T 2012, “Modified bacterial foraging Optimization to Ramp Rate Constrained Dynamic Load Dispatch”, *Journal of Electrical and Control Engineering*, vol. 2, no. 2, pp. 15-19.**
18. **J. Jasper and B.Padmanabhan, “Bee hive Algorithm to Optimize Multi Constrained piecewise Non-Linear Economic Power Dispatch Problem in Thermal Units”*International Journal on Electrical Engineering and Informatics*, Vol.3, No.1, March 2011, pp.109-117.**
19. **J. Jasper,2011 “DEGL based optimization for practical constrained economic power dispatch problem”, *Journal of Electrical Engineering*,vol. 11, no. 3, 2011.**

20. **J. Jasper and Sivakumar R.S, “Optimization of Non-Smooth Economic Power dispatch problem with multiple constraints for Thermal units by an Improved Genetic Algorithm”*JEE Transaction on Industrial Electrical Power Systems*, Vol.10, No.3, September 2010, pp.106-112.**

Papers Published (International/National Conferences)

1. **Jasper, J&Aruldoss Albert Victoire, T 2012, “Variable Neighborhood Search Guided Differential Evolution for Non Convex Economic Load Dispatch”, ADCONS 2011, LNCS 7135, Springer-Verlag Berlin Heidelberg, pp. 450-459.**
2. **Jasper, J&Aruldoss Albert Victoire, T 2012, “Variable neighborhood search guided differential evolution for dynamic load dispatch with Non-Smooth cost function”, IEEE International Conference on Computing, Electronics and Electrical Technologies (ICCEET), 2012 Digital Object Identifier: 10.1109/ICCEET.2012.6203921 pp. 74-79.**
3. **Jasper, J&Aruldoss Albert Victoire, T 2012, “Dynamic Economic Dispatch of thermal units by blended biogeography based optimization”, IEEE Conference Publications, World Congress on Information and Communication Technologies, pp. 361-366.**
4. **Jasper, J &Aruldoss Albert Victoire, T 2012, “Bacterial foraging Approach to Economic Load dispatch problem with Non convex cost Function”, SEMCCO 2011, Part I, LNCS 7076, Springer-Verlag Berlin Heidelberg, pp. 577-584.**
5. **Jasper, J&Aruldoss Albert Victoire, T 2011, “Neighborhood Search operator tuned Differential Evolution for solving non convex economic dispatch problem”, INDIA 2012, AISC 132, pp. 291–298, Springer-Verlag Berlin Heidelberg 2011.**
6. **Published paper in National Conference “ICPEPS-2010” held at Ponjesly College of Engineering, Nagercoil Titled “Neighborhood Based Mutation Strategy For Dispatch Of Units With Valve Point Effects”**
7. **Published paper in International Conference “ICETES-2010” held at Noorul Islam Centre for Higher Education, Kumaracoil Titled “Optimization Of Non-Smooth Economic Power Dispatch Problem With Multiple Constraints For Thermal Units By An Improved Genetic Algorithm”.**
8. **Published paper in National Conference “ETIPS’09” held at Sasuri College of Engineering, Vijayamangalam Titled “A New Approach To Real-Time Economic Emission Power Dispatch”**
9. **Published paper in International Conference “EAST-2007” held at Noorul Islam College of Engineering, Kumaracoil Titled “Neural Network Based Real-Time Economic Emission Power Dispatch”.**
10. **Published paper in National Conference “SACOEFEERENCE” held at Dr.SivanthiAditanar College of Engineering, Thiruchendur Titled “Soft Computing Techniques Applied To Power Systems”**