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Publications List of Dr. S. Charles Raja

International Publication:

1. Mozhi, S. Arun, **S. Charles Raja**, M. Saravanan, and J. Jeslin Drusila Nesamalar. "Energy Management of Hybrid Energy Storage System in PHEV With Various Driving Mode." *Artificial Intelligent Techniques for Electric and Hybrid Electric Vehicles* (2020): 103-113.
2. Hemanth, G. R., **S. Charles Raja**, J. Jeslin Drusila Nesamalar, and J. Senthil Kumar. "Cost effective energy consumption in a residential building by implementing demand side management in the presence of different classes of power loads." *Advances in Building Energy Research* (2020): 1-26.
3. Prakash, R. Rajan, **S. Charles Raja**, D. Kavitha, and S. Baskar. "Enhanced Learning through Blended IC and DCN Strategies in C Programming for Non-Computer Science Students." *Journal of Engineering Education Transformations* 33 (2020): 541-544.
4. Anitha, D., D. Kavitha, R. Rajan Prakash, and **S. Charles Raja**. "Identification of Opinion Difference in Teaching Learning Methods and Recommendation to Faculty." *Journal of Engineering Education Transformations* 33 (2020): 421-424.
5. Jeha, J., and **S. Charles Raja**. "ABC algorithm for estimation of dynamic parameters in radial power system transfer path." *International Journal of Operational Research* 38, no. 4 (2020): 544-569.
6. Kumar, J. Senthil, **S. Charles Raja**, J. Jeslin Drusila Nesamalar, and P. Venkatesh. "Optimizing renewable based generations in AC/DC microgrid system using hybrid Nelder-Mead-Cuckoo Search algorithm." *Energy* 158 (2018): 204-215.
7. Senthil Kumar, J., **S. Charles Raja**, Dipti Srinivasan, and P. Venkatesh. "Hybrid renewable energy-based distribution system for seasonal load variations." *International Journal of Energy Research* 42, no. 3 (2018): 1066-1087.

8. Suganya, S., **S. Charles Raja**, Dipti Srinivasan, and P. Venkatesh. "Smart utilization of renewable energy sources in a microgrid system integrated with plug-in hybrid electric vehicles." *International Journal of Energy Research* 42, no. 3 (2018): 1210-1224.
9. Prakash, R. Rajan, **S. Charles Raja**, D. Kavitha, and S. Baskar. "A Paradigm Shift from BCN to DCN Strategy for Effective Knowledge Transfer in Foundation Courses." *Journal of Engineering Education Transformations* (2018).
10. Suganya, S., **S. Charles Raja**, and P. Venkatesh. "Smart management of distinct plug-in hybrid electric vehicle charging stations considering mobility pattern and site characteristics." *International Journal of Energy Research* 41, no. 14 (2017): 2268-2281.
11. Suganya, S., **S. Charles Raja**, and P. Venkatesh. "Simultaneous coordination of distinct plug-in Hybrid Electric Vehicle charging stations: A modified Particle Swarm Optimization approach." *energy* 138 (2017): 92-102.
12. Nesamalar, J. Jeslin Drusila, P. Venkatesh, and **S. Charles Raja**. "The drive of renewable energy in Tamilnadu: Status, barriers and future prospect." *Renewable and Sustainable Energy Reviews* 73 (2017): 115-124.
13. Bavithra, K., **S. Charles Raja**, and P. Venkatesh. "Optimal setting of FACTS devices using particle swarm optimization for ATC enhancement in deregulated power system." *IFAC-PapersOnLine* 49, no. 1 (2016): 450-455.
14. Nesamalar, J. Jeslin Drusila, P. Venkatesh, and **S. Charles Raja**. "Managing multi-line power congestion by using hybrid Nelder–Mead–fuzzy adaptive particle swarm optimization (HNM-FAPSO)." *Applied Soft Computing* 43 (2016): 222-234.
15. Nesamalar, J. Jeslin Drusila, P. Venkatesh, and **S. Charles Raja**. "Energy management by generator rescheduling in congestive deregulated power system." *Applied Energy* 171 (2016): 357-371.
16. Nesamalar, J. Jeslin Drusila, K. Bavithra, **S. Charles Raja**, and P. Venkatesh. "ATC enhancement by incorporating FACTS devices for deregulating scenario in present power market." *Power Research* 12, no. 1 (2016): 1-12.

International Conference:

17. Kumar, J. Senthil, P. Venkatesh, **S. Charles Raja**, J. Jeslin Drusila Nesamalar, and C. Palanichamy. "Reliability Enhancement of Small and Medium Distribution System with Renewable Generations and Reclosers." In *2018 20th National Power Systems Conference (NPSC)*, pp. 1-6. IEEE, 2018.
18. Hemanth, G. R., **S. Charles Raja**, S. Suganya, and P. Venkatesh. "Neural network based demand side management using load shifting." In *2018 National power engineering conference (NPEC)*, pp. 1-9. IEEE, 2018.
19. Preethi, A. Akshaya, J. Jeslin Drusila Nesamalar, S. Suganya, and **S. Charles Raja**. "Economic scheduling of Plug-In Hybrid Electric Vehicle considering various travel patterns." In *2018 National Power Engineering Conference (NPEC)*, pp. 1-7. IEEE, 2018.
20. Jemima, J. Josalin, and **S. Charles Raja**. "Design of photovoltaic based battery charger using sliding mode MPPT control." In *2017 Innovations in Power and Advanced Computing Technologies (i-PACT)*, pp. 1-7. IEEE, 2017.
21. Priya, G. Siva, J. Senthil Kumar, **S. Charles Raja**, and P. Venkatesh. "Distributed generator and reclosers placement in distribution system with reliability consideration." In *2017 Innovations in Power and Advanced Computing Technologies (i-PACT)*, pp. 1-7. IEEE, 2017.
22. Kalaivani, S., T. Karthick, **S. Charles Raja**, and P. Venkatesh. "Mitigation of voltage disturbances using fuzzy logic controller in a grid connected dfig for different types of fault." In *2017 Innovations in Power and Advanced Computing Technologies (i-PACT)*, pp. 1-7. IEEE, 2017.
23. Karthiga, M. Meenamathi, **S. Charles Raja**, and P. Venkatesh. "Enhancement of available transfer capability using TCSC devices in deregulated power market." In *2017 Innovations in Power and Advanced Computing Technologies (i-PACT)*, pp. 1-7. IEEE, 2017.