

TMI Publications

2023-2024

Indexed Journals

1. **Sabat, J.**, Mangaraj, M., Kundala, P.K.Y., Subbaramaiah, K., Acharyulu, B.V.S. and Papinaidu, T., 2025. Shunt compensation using deep belief learning network based inductively coupled DSTATCOM. *Energy Systems*, 16(4), pp.1495-1520. <https://doi.org/10.1007/s12667-023-00647-3>
2. **Kar, M.K.**, Parida, R.R. and Dash, S., 2024. Series and shunt FACTS controllers based optimal reactive power dispatch. *International Journal of Applied*, 13(1), pp.247-254. <http://doi.org/10.11591/ijape.v13.i1.pp247-254>
3. **Kar, M.K.**, **Kanungo, S.**, Dash, S. and Parida, R.R., 2024. Grid connected solar panel with battery energy storage system. *Int. J. Appl*, 13(1), pp.223-233. <http://doi.org/10.11591/ijape.v13.i1.pp223-233>
4. **Kar, M.K.**, Singh, A.K., Kumar, S. and Rout, B., 2024. Application of fractional-order PID controller to improve stability of a single-machine infinite-bus system. *Journal of The Institution of Engineers (India): Series B*, 105(1), pp.77-92. <https://doi.org/10.1007/s40031-023-00950-8>
5. Kokane, C.D., **Mohadikar, G.**, Khapekar, S., Jadhao, B., Waykole, T. and Deotare, V.V., 2023. Machine learning approach for intelligent transport system in IOV-based vehicular network traffic for smart cities. *International Journal of Intelligent Systems and Applications in Engineering*, 11(11s), pp.06-16. <https://ijisae.org/index.php/IJISAE/article/view/3430>
6. Mishra, D., Maharana, M.K., **Kar, M.K.**, Nayak, A. and Cherukuri, M., 2023. Modified differential evolution algorithm for governing virtual Inertia of an isolated microgrid integrating electric vehicles. *International Transactions on Electrical Energy Systems*, 2023(1), p.8950650. <https://doi.org/10.1155/2023/8950650>
7. Mishra, D., Maharana, M.K., **Kar, M.K.** and Nayak, A., 2023. A modified differential evolution algorithm for frequency management of interconnected hybrid renewable system. *International Journal of Power Electronics and Drive Systems*, 14(3), pp.1711-1721. <http://doi.org/10.11591/ijped.v14.i3.pp1711-1721>
8. **Kar, M.K.**, 2023. Stability analysis of multi-machine system using FACTS devices. *International Journal of System Assurance Engineering and Management*, 14(6), pp.2136-2145. <https://doi.org/10.1007/s13198-023-02044-6>
9. Mishra, D., Maharana, M.K., **Kar, M.K.** and Nayak, A., 2023. Frequency management of an interconnected power system using modified differential evolution algorithm. *International Journal of Renewable Energy Resources*, 13(2), pp.515-525. <https://doi.org/10.20508/ijrer.v13i2.13555.g8772>
10. **Rahul, R.** and Raju, R., 2023. A STUDY ON SOCIAL MEDIA LITERACY AMONG TEACHING FACULTY OF MANAGEMENT INSTITUTES. *The Online Journal of Distance Education and e-Learning*, 11(2). <https://www.tojdel.net/journals/tojdel/articles/v11i02/v11i02-17.pdf>

Conferences

1. **Sharma, A.**, Goud, H. and **Kar, M.K.**, 2023, May. 3-tank system liquid level control using metaheuristic algorithm. In *2023 IEEE Renewable Energy and Sustainable E-Mobility Conference (RESEM)* (pp. 1-5). IEEE. <https://doi.org/10.1109/RESEM57584.2023.10236010>
2. **Sharma, A.**, Goud, H. and **Kar, M.K.**, 2023, May. Application of optimization algorithm in process control system. In *2023 IEEE Renewable Energy and Sustainable E-Mobility Conference (RESEM)* (pp. 1-6). IEEE. <https://doi.org/10.1109/RESEM57584.2023.10236294>
3. **Kar, M.K.** and Tripathy, P.K., 2023, May. Techno-economic evaluation of power system by optimal placement of FACTS devices. In *2023 International Conference on Communication, Circuits, and Systems (IC3S)* (pp. 1-5). IEEE. <https://doi.org/10.1109/IC3S57698.2023.10169231>
4. **Kar, M.K.**, Godbole, A.A., Meshram, R.S., Krishna, P.A., Patil, S.V. and Sonawane, R.S., 2023, March. Coordinated design of damping controllers using grey wolf optimization algorithm. In *2023 10th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 433-438). IEEE. <https://doi.org/10.1109/SPIN57001.2023.10116198>