

**List of Publications**

1. **Dr.Archana N**, Niresh J, Autonomous Driving Performance in CARLA Simulator Using Reinforcement Learning, Journal of Xidian University, Vol. 14, No. 4, pp. 2500-2505, 2020.
2. **Dr.Archana N** Sri Krishnan, and Niresh J, "The Evolution of a Tri-Layer Comforter by Using an Acrylic Felt Nonwoven Fabric" Journal of Siberian Federal University Engineering & Technologies, Vol. 13, No. 5, pp. 536-553, 2020, DOI: 10.17516/1999-494X-0245.
3. **Dr.Archana N**, Nalini M, Modeling of Ultra Capacitor Based Auxiliary Energy System for fuel Cell Hybrid Electric Vehicle, Journal of Xidian University, Vol. 14, No. 4, pp. 3661-3666, 2020.
4. **Dr.Archana N** Niresh, J., , Neelakrishnan, S., Sivakumar, V.M., Dharun, D.S., Optimization of low temperature hydrogen sensor using nano ceramic-particles for use in hybrid electric vehicles, Journal of Ceramic Processing Research, Vol. 21, No. 3, pp. 434-350, 2020.
5. **Dr.Archana N** Sri Krishnan, and Niresh J "The Evolution of Smart Wrist Band by Using Sensors" in Journal of Siberian Federal University. Engineering & Technologies 2020 13(5): 525-535, DOI: 10.17516/1999-494X-0244.
6. **Dr.ARCHANA, N** NIRESH, J & & ANAND RAJ, G., "Optimisation of Linear Passive Suspension System Using MOPSO and Design of Predictive Tool with Artificial Neural Network", Studies in Informatics and Control, Vol. 28. pp. 105-110, March 2019.
7. **Dr.N Archana** J Niresh, , T Karthink, TW Hong, Physical, Chemical, Morphological And Thermal Characterization Of Natural Fibers For Sound Absorption, Tekstil ve Konfeksiyon Vol. 29, No. 3, pp. 219-227, 2019.
8. **Dr.Archana N**, Latha R, Trajectory Tracking of Magnetic Levitation System using Neuro-Fuzzy based PI Controller, National Journal of Technology, Vol. 15, No. 4, pp. 59-66, December 2019.
9. **Dr.Archana N**, Anupamma K, "Study on Wind and PV Hybrid Renewable Energy System", International Journal Of Innovative Research Explorer, Vol. 5, Issue 1, Jan 2018.
10. **Dr.Archana N**, Niresh, J., Neelakrishnan, S., Subha Rani, S., ., "Filter based impedance tube for selection of technical textile materials", Fibres and Textiles in Eastern Europe, Vol. 26, pp. 89-93, Jan 2018.
11. **Dr.Archana, N.**, Benedict, A.M.F., Niresh, J., "Chemotherapy drug regimen optimization using deterministic oscillatory search algorithm ", Tropical Journal of Pharmaceutical Research, Vol. 17, No. 6, pp. 1135-1146, June 2018.

12. **Dr.Archana N**, Vidhyapriya R, “Deterministic Oscillatory Search - A New Meta-Heuristic Optimization Algorithm”, Indian Academy of Sciences, SADHANA, Vol. 42, No. 6, pp. 817–826, June 2017.
13. **Dr.Archana N**, Vidhyapriya R, Ashok Kumar L, Berose Abdul Kadar A, "Power Quality Improvement in A Multi Machine System using a STATCOM", International Journal of Research in Advent Technology, vol. 4, no. 1, pp. 16-22, January 2016.
14. **Dr.Archana N**, Vidhyapriya R, "A Bibliographic Survey On Power System Optimisation Using Soft Computing Techniques", International Journal of Advanced Engineering Technology, Vol. 7, No. 1, pp. 327-333, March 2016.
15. **Dr.Archana N**, Vidhyapriya R, "Improving Voltage Stability of Power System by Optimal Location of Facts Devices Using Bio-Inspired Algorithms", Circuits and Systems, Vol. 7, No. 6, May 2016.
16. **Dr.Archana N** Iswariya M, "User-Friendly Dashboard for Automated Testing", International Journal for Scientific Research and Development, Vol. 4, No. 3, June 2016.
17. **Dr.Archana N**, Vidhyapriya R, “A Novel SRF Based UPFC in Grid Connected Wind and Solar Hybrid System”, Journal of Scientific and Industrial Research, Vol. 75, pp. 720-724, December 2016.