

PUBLICATIONS- DR.R.BALAMURUGAN

1. **Balamurugan, R.,** and Arun, R., “Distributed entropy energy efficient clustering algorithm for heterogeneous wireless sensor network based chaotic firefly algorithm cluster head selection”, *Journal of Intelligent & Fuzzy Systems*, IOS Press, 2020. **(Accepted) (IF: 1.637)**
2. **Balamurugan, R.,** and Arun, R., “Analysis of Energy-Efficient Clustering Algorithms for Wireless Sensor Network (WSN)”, *Journal of testing and evaluation*, Vol.47, No.6,pp.3864-3877,2019. **(IF: 0.711)**
3. **Balamurugan, R.** Nithya R., “Solar PV Based Shunt Active Filter with p-q Theory Control for Improvement of Power Quality”, *Journal of Circuits, Systems, and Computers*, Vol. 26, No. 9, pp. 1750133 (14 pages), 2017. **(IF: 0.939)**
4. **Balamurugan, R.,** Dhanasekaran P.M., and Nithya R., “New Single Phase Bridgeless CUK Converter Topology for Power Factor Enhancement Based on Fuzzy Logic Control”, *Journal of Circuits, Systems, and Computers*, Vol. 24, No. 7, pp. 1550102 (15 pages), 2015. **(IF: 0.939)**
5. **Balamurugan, R.** and Pireethi R., ”Bridgeless Isolated Cuk PFC implementation using PID and neural controller” *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. 2, No. 01, pp. 88 to 95, 2016.**(Scopus Indexed, SJR : 0.21)**
6. K. Sakthivel, S. Balu, C. Nelson Kennedy Babu and **R. Balamurugan,** “ Investigation of Optimal Segmentation Algorithm for CT Lung Nodules Using Cad System ”, *Asian Journal of Information Technology*, 15: 3742-3747,2016. **(Scopus Indexed, SJR :0.12)**
7. **Balamurugan, R.** and Nithya R. “FC/PV Fed SAF with Fuzzy Logic Control for Power Quality Enhancement”, *International Journal of Power Electronics and Drives*, Vol.5, No.4, pp. 470-476, 2015. **(Scopus Indexed, SJR : 0.3)**
8. **Balamurugan, R.** and Pearly Catherine, J. “A Power Factor Corrected Bridgeless Type III Cuk Derived Converter fed BLDC Motor Drive” *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. 14, No. 03, pp. 420 to 427, 2015**(Scopus Indexed, SJR : 0.21)**
9. **Balamurugan, R.** and Vishvanath, M. “An Review of Power Factor Correction in SRM Drives Using Bridgeless Converters”, *Indonesian Journal of Electrical Engineering and Computer Science*, Vol. 14, No. 03, pp. 441 to 445, 2015.**(Scopus Indexed, SJR : 0.21)**
10. **Balamurugan, R.** Nithya R., “Photovoltaic based shunt active power filter using p-q theory for enhancing the power quality” *Journal of Electrical and Electronics Engineering, IU-JEEE*, Vol. 15, No. 02, pp. 1959 to 1964, 2015 **(Scopus Indexed, SJR: 0.14)**