

List of Publications

Dr. R.KARTHIK

Associate Professor

ELECTRICAL AND ELECTRONICS ENGINEERING

SRM VALLIAMMAI ENGINEERING COLLEGE

Chennai-603203

1. Karthik R and Padhmanabha Iyappan “Optimal utilization of Interconnected RES to micro grid-A hybrid AWO-ANFIS Technique”, <https://doi.org/10.1007/s00500-019-04558-3>, 2019. Journal soft computing - Springer Publishers, (Impact factor-2.784)
2. Karthik R., et al „Performance studies on Dielectric and Physical properties of Eco friendly based Natural ester oil using semi conductive nanocomposite for Power Transformer Applications” IET Science, Measurement and Technology ,Volume 12, Issue 3, pp. 323 – 327, May 2018. (Impact factor-1.26)
3. Prasath, R.T.A.R and Willjuice Iruthayarajan M. and Karthik R., „Retreatment of aged mineral oil using semi-conductive Nano composites for power transformer application” International Transactions on Electrical Energy Systems. Wiley publishers. Vol. 27, Issue.9, 2017, DOI: 10.1002/etep.2358 (Impact factor-1.084)
4. Karthik, R; Fabrizio Negri and Andrea cavallini “Influence of ageing on dielectric characteristics of silicon di oxide, tin oxide and Ferro nanofluids based mineral oil” Presented at IEEE Conference on Advances in Electrical, Electronics, information, communication and bio informatics, Chennai, India Feb, 2016.
5. Raymon.A., and Karthik R., “Reclaiming and Enhancing the Aged and Fresh Transformer Oil with Activated Bentonite and Antioxidants”, IEEE Transactions on Dielectrics and Electrical insulation, Vol-22, No.1. pp. 548-555, Feb-2015. (Impact factor-2.115)
6. Andrea Cavallini , Karthik R., and Fabrizio Negri “The Effect of magnetite, graphene oxide and silicone oxide on dielectric withstand characteristics of mineral oil” IEEE Transactions on Dielectrics and Electrical insulation Vol. 22, Issue 5, pp. 2592-2600, Oct- 2015. (Impact factor-2.115)
7. Karthik R., et al “Investigations on Eco friendly Insulating Fluids from Rapeseed and Pongamia Pinnata Oils for power transformer applications”, Journal of Electrical Engineering Technology”, Vol. No.10, pp. No-709-715, 2015. (Impact factor-0.528)