

### **Publications of Dr.D.Kavitha**

1. **Kavitha, D.**, and Meera Balachandran. "XLPE-layered silicate nanocomposites for high voltage insulation applications: dielectric characteristics, treeing behaviour and mechanical properties." IET Science, Measurement & Technology 13.7 (2019): 1019-1025. (IF – 2.398)
2. **D. Kavitha**, T. K. Sindhu and T. N. P. Nambiar, "Impact of permittivity and concentration of filler nanoparticles on dielectric properties of polymer nanocomposites", IET Science, Measurement and Technology, Online ISSN 1751-8830, pp. 1-16, 2016.(IF – 1.248)
3. **D. Kavitha**, T. K. Sindhu and T. N. P. Nambiar, "Effect of nanoparticles on the dielectric strength and PD resistance of epoxy nanocomposites", Advances in Intelligent Systems and Computing, Springer, Vol. 397, pp. 277-286, 2016. (IF – 0.8)
4. **D. Kavitha**, T. K. Sindhu and T. N. P. Nambiar, "Modelling of electric field distribution and electric tree propagation in epoxy nanocomposites using Finite Element Method", Journal of Electrical Engineering, Vol. 15, Edition 3, pp. 241-247, 2015. (IF – 1.111)
5. **D. Kavitha**, T. K. Sindhu and T. N. P. Nambiar, "Investigation of treeing process in nanofilled epoxy material by Finite Element Method", Journal of Electrical Engineering, Vol. 14, Edition 1, pp. 344-349, 2014. (IF – 1.111)
6. **D. Kavitha**, Neena Alex and T. N. P. Nambiar, "Classification and study on factors affecting partial discharge in cable insulation", Journal of Electrical Systems, Vol. 9, Edition 3, pp. 346-354, 2013. (IF – 0.317)
7. A. Jayakrishnan, **D. Kavitha**, A. Arthi, N. Nagarajan and Meera Balachandran, "Simulation of electric field distribution in nanodielectrics based on XLPE", Materials Today: Proceedings, Vol. 3, No. 6, pp. 2381-2386, 2016. (IF – 0.8)
8. A. Lekshmi Priya, T. Prabu, **D.Kavitha** , "Voltage ride through capability improvement in wind farms using dynamic voltage restorer", International Journal of Control Theory and Applications, 9 (16), pp. 8013-8023, 2016.
9. M. M. Reethu Mohanan, **D.Kavitha** and T. N. P. Nambiar, "AC characteristic study of XLPE nanoclay composites", International Journal of Applied Engineering Research, Vol. 10, No. 20, pp. 16634-16639, 2015. (IF – 0.13)
10. C. Navin Gopalakrishnan, **D. Kavitha** and N. Kathiravan, "Theoretical investigation on electric field in XLPE nanocomposite using Finite Element Method", International Journal of Applied Engineering Research, Vol. 10, No. 20, pp. 16629-16633, 2015. (IF – 0.13)