

Journal Publications

1. Lekshmi Mohan, Poliseti Naveen Kumar, Sunitha K and Sindhu T K, "Determination of electrical percolation threshold of carbon nanotube based epoxy nanocomposites and its experimental validation", *IET Science Measurement and Technology*, August 2019
2. G. Shanmugam, S. Kalapati and S. Karakad, "Flashover voltage computation of porcelain insulators under positive polarity lightning impulse voltages," in *IET Science, Measurement & Technology*, vol. 13, no. 5, pp. 656-661, July 2019. (DOI: 10.1049/iet-smt.2018.5605; Impact Factor: 1.895).
3. A. N. Asokan, A. P. Anagha, P. Preetha and K. Sunitha, "Effect of interphase on dielectric relaxation mechanisms in epoxy-alumina nanocomposite," in *IEEE Transactions on Dielectrics and Electrical Insulation*, vol. 26, no. 4, pp. 1211-1219, Aug. 2019.
4. K. Sunitha and M. J. Thomas, "Effect of Soil Conditions on the Electromagnetic Field From an Impulse Radiating Antenna and on the Induced Voltage in a Buried Cable," in *IEEE Transactions on Electromagnetic Compatibility*, vol. 61, no. 4, pp. 990-997, Aug. 2019.
5. G. Shanmugam and S. Karakkad, "Influence of the insulator geometry on the streamer propagation characteristics in polymeric insulators under positive polarity lightning impulse voltages," in *IET Science, Measurement & Technology*, vol. 12, no. 8, pp. 1082-1088, Nov 2018. (DOI: 10.1049/iet-smt.2018.5028; Impact Factor: 1.895).
6. A.P.Anagha and K Sunitha," Influence of Field Spacer Geometry on the Performance of a High Voltage Coaxial Type Transmission Line with Solid Dielectric Spacer in Vacuum ", *Engineering, Technology & Applied Science Research*, Vol. 7, No. 3, 2017.
7. Ram S Narayan, Shilpa Mohan and K Sunitha, "Simulative Study into the Development of a Hybrid HVDC System through a Comparative Research with HVAC: a Futuristic Approach " *Engineering, Technology & Applied Science Research*, Vol. 7, No. 3, 2017.
8. Vinitha Krishna and Sunitha K, " Effect of the Time-varying Soil Resistivity on the Performance of the Protective Devices under the Electromagnetic Fields from Lightning ", *Indian Journal of Science and Technology* , Vol. 10, No.24, 2017
9. Dhanish Mon N., Shibin S, Praveen kumar S, Venkata Jeevan T. and Sunitha K , " Effect of the concentration of nano particles on the dielectric behavior of a transformer oil " *International Journal of Applied Engineering Research* , Volume 12, Number 9 (2017)
10. K. Sunitha, M. Joy Thomas and D.V. Giri , " Induced Transients on an Underground Cable by Hyperband Signals " *Interaction Note 612, IEEE Antennas and Propagation Magazine* , Vol. 51, No. 6, Dec. 2009
11. K. Sunitha, M. Joy Thomas and D.V. Giri , " Radiation Patterns of a Reflector Type of Impulse Radiating Antenna (IRA) Relating Time and Frequency Domains ", *Sensor and Simulation Note 545, IEEE Antennas and Propagation Magazine* , Vol. 51, No. 6, Dec. 2009 .
12. Sunitha K, M. Joy Thomas , " Transient NEMP field coupling with buried shielded cables", *Society of Electromagnetics Journal*, Vol. 5, No. 1, April 2009, Pages: 1-6
13. Ashok S and K Sunitha, "Uniform Concentrator for Solar PV system" , *International Engineering & Technology Journal of Electrical Analysis*, Vol. 2, No.1, March 2008, Pages: 1-8