

Conferences.

1. Gowrishankar S, Gourav S and Sunitha K, "Surface Charging and its Influence on Lightning Impulse Flashover Characteristics of Polymeric Insulator", *3rd IEEE International Conference on Electrical, Computer and Communication Technologies*, Coimbatore, 20th -22nd February, 2019.
2. Tanikonda Nishanth Kumar, Lekshmi Mohan, and Sunitha Karakkad, "Carbon nanofiber based epoxy nano composites-an innovative material for electromagnetic shielding", *AIP International Conference On Trends In Material Science And Inventive Materials: ICTMIM* May 2019
3. Mounika Sett, Lekshmi Mohan, and Sunitha Karakkad, "A novel material for EMI shielding based on carbon nano materials", *AIP International Conference On Trends In Material Science And Inventive Materials: ICTMIM* May 2019
4. L. Mohan, K. Sunitha and T. K. Sindhu, "Modelling of electrical percolation and conductivity of carbon nanotube based polymer nanocomposites," *2018 IEEE International Symposium on Electromagnetic Compatibility and 2018 IEEE Asia-Pacific Symposium on Electromagnetic Compatibility (EMC/APEMC)*, Singapore, 2018, pp. 919-924.
5. Mridula, Gowrishankar S and Sunitha K, "Design of Electrode Arrangement for Corona Ageing Studies on Silicone Rubber", *International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing*, Vellore, January, 2018.
6. A. Paleri, P. Preetha and K. Sunitha, "Frequency Response Analysis (FRA) in power transformers: An approach to locate inter-disk SC fault," *2017 IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC)*, Bangalore, 2017, pp. 1-5.
7. M. B. Abdul Basith and K. Sunitha, "A novel approach of dynamic voltage restorer integration with ultra-capacitor for proper voltage sag compensation," *2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)*, Chennai, 2017, pp. 578-582.
8. V. Darmini and K. Sunitha, "Comparison of solar PV array configuration methods under different shading patterns," *2017 International Conference on Technological Advancements in Power and Energy (TAP Energy)*, Kollam, 2017, pp. 1-4.
9. Gowrishankar S and Sunitha K, "Transient Electric Field Computation on Polymer Insulators Mounted in EHV Lines", *Asian Electromagnetics Symposium 2017*, July 23-27, 2017 Bangalore
10. M. Niyas and K. Sunitha, "Identification and classification of fault during power swing using decision tree approach," *2017 IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES)*, Kollam, 2017, pp. 1-6.
11. Avinash Nelson A, Preetha P and Sunitha K, "Dielectric Characteristics of Epoxy-Alumina nanocomposite based on Impedance Spectroscopy", In Proc. international Conference on Advanced Materials for Power Engineering- ICAMPE, Kottayam Dec 2015
12. P. C. Sajith and K. Sunitha, "Asymmetrical cascaded 15-level inverter using single DC-source," *2014 Annual International Conference on Emerging Research Areas: Magnetics, Machines and Drives (AICERA/iCMMD)*, Kottayam, 2014, pp. 1-6.
13. Sunitha K and M. Joy Thomas, "High Power Microwave Coupling with a Buried Twisted Pair Cable", In Proc. International Vacuum Electronics Conference, IVEC 2011 21-24 Feb. 2011, Bangalore
14. Sunitha K., M. Joy Thomas , and D.V. Giri, "A Comparison Of The Effect Of Transient EM Fields From A Narrowband And A Hyperband Source On A Buried Communication Cable", *URSI-USNC Radio Science meeting* January 2-7 2011, Colorado
15. Sunitha K, and M. Joy Thomas, "HPM coupling with a buried shielded cable", *Proc. International conference on Electromagnetic interference and Compatibility* 25-26 Nov.2010, Bangalore
16. K. Sunitha, M. Joy Thomas and D.V. Giri, "Coupling Of The Hyperband Signals From An

Ira With A Buried Communication Cable”, American Electromagnetics Conference AMEREM 2010 Ottawa, Canada, July 2010

17. Sunitha, K, Thomas, M.J, " HEMP field coupling with buried power distribution cables“, Proceedings of IEEE EMC Symposium Austin, Texas, USA, Aug 2009
18. Sunitha K, M. Joy Thomas , “Transient NEMP field coupling with buried shielded cables Proc. International conference on Electromagnetic interference and Compatibility 26-27 Nov. 2008, Bangalore
19. M. J. Thomas and K. Sunitha, “The phenomenon of notch in an NEMP simulator and its reduction”, Proc. International conference on Electromagnetic interference and Compatibility 23-24 Feb. 2006, Bangalore
20. M.J. Thomas and K. Sunitha,” Transient electric field distribution within the working volume of an NEMP simulator”, Proc. International conference on Electromagnetic interference and Compatibility 23-24 Feb. 2006, Bangalore