

Sl/No	Author(s)	Paper Title	Name of paper/ Int. Conference/ National
1	Vidya S, Sunitha K, Deepa S Kumar, Deepak Mishra, Ashok S	Gaussian Process Regression based Model for Prediction of Discharge Voltage of Air Gaps under Positive Polarity Lightning Impulse Voltages	IEEEECCECE 2020, August 30-September 2, 2020, London, Ontario, Canada
2	Sarov Mohan S, Preetha P,	Optimization of Filler Loading of Multi-Particle Mineral Oil Nanofluid for Transformer Insulation	IEEE International Conference on Dielectrics 6th to 31st July 2020, Virtual Edition,
3	Anjitha V, Sunitha K, K. Ravi Shankar and I. Jagadeesh Kumar	Influence of Slots in Enhancing the Field due to Lightning Electromagnetic Radiation inside Building Structures	2nd International Conference on Advances in Electrical and Computer Technologies 2020 (ICAECT 2020) (Springer), Coimbatore,
4	Skaria Emil Ninan, T K Sindhu	Prediction of Feasible Operating Point for DRB Reactor Based on Decomposition Rate Constant	4th IEEE International Conference on Condition Assessment Techniques in Electrical Engineering (CATCON), IIT Madras
5	Noofa Sayed, Joyce Jacob, T K Sindhu, P Preetha	Compatibility Analysis of Paper Insulation with Natural Ester	4th IEEE International Conference on Condition Assessment Techniques in Electrical Engineering (CATCON), IIT Madras
6	Vaishnavi Cheemala, Avinash Nelson Asokan, Preetha P,	Transformer Incipient Fault Diagnosis using Machine Learning Classifiers	4th IEEE International Conference on Condition Assessment Techniques in Electrical Engineering (CATCON), IIT Madras
7	Kuber Kumar, Preetha P, Sovan Dalai, Biswendu Chatterjee	Condition Assessment of Epoxy Nanocomposites Using Polarization and Depolarization Current	4th IEEE International Conference on Condition Assessment Techniques in Electrical Engineering (CATCON), IIT Madras
8	Joyce Jacob, Preetha P, Sindhu T K	Compatibility Study of Paper and Epoxy with Natural Ester- A Substitute for Transformer	IEEE TENCON 2019, Kochi. October 2019
9	Jacob P Varghese, Avinash Nelson Asokan, Shubham Khatua, Preetha P, Sunitha	Electric Field Stress Optimization of Permittivity Graded Spacer in UHVAC Gas Insulated System	IEEE TENCON 2019, Kochi. October 2019.
10	Avinash Nelson Asokan, Jacob P Varghese, Joyce Jacob, Preetha P and	Dielectric characteristics of epoxy alumina nanocomposites with Cole-Cole plot	IEEE Region 10 Symposium TENSYPMP 2019, Kolkata. June 2019.
11	Shubham Khatua, Preetha P	Effect of Surface charge accumulation on electric field computation in CO2 filled GIS	IEEE Region 10 Symposium TENSYPMP 2019, Kolkata. June 2019.
12	Joyce Jacob, Dhanya S, Lakshmi Tharammal, Avinash Nelson A, Preetha	Partial discharge characteristics of nanofilled mineral oil	IEEE Region 10 Symposium TENSYPMP 2019, Kolkata. June 2019.
13	Mounika Sett, Lekshmi Mohan, and Sunitha	A novel material for EMI shielding based on carbon nano materials	AIP International Conference On Trends In Material
14	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
15	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,
16	Mitalkumar Ladhani, Nisha P. V. and Sindhu T. K	Design of a Modified Three Phase Line Impedance Stabilization Network for Conducted Emission Test,	2018 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), Chennai, India,

17	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
18	Anagha E. R., Nisha p. v. and Sindhu T. K.	Design of an active EMI filter for bearing current elimination in VFD	2018 IEEE International Symposium on Electromagnetic Compatibility and 2018 IEEE Asia-Pacific Symposium on Electromagnetic Compatibility (EMC/APEMC),
19	Lavanya Pradeep, Avinash Nelson and Preetha.P	Effect of interphase permittivity on the electric field distribution of epoxy nanocomposites	International Conference On Inventive Research In Material Science And
20	Afseena A, Joyce Jacob, and Preetha P	Temperature Dielectric Spectrum Analysis of Soybean Ester Nanofluid, Mineral Oil and Soybean	IEEE International Conference on Control, Power Communication and Computing
21	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
22	Gowrishankar S and Sunitha K	Transient Electric Field Computation on Polymer Insulators	Asian Electromagnetics Symposium 2017, July 23-27, 2017
23	M. B. Abdul Basith and K. Sunitha	A novel approach of dynamic voltage restorer integration with ultra-capacitor for proper voltage sag	2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI),
24	V. Darmini and K. Sunitha	Comparison of solar PV array configuration methods under	2017 International Conference on Technological Advancements in
25	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
26	Joyce Jacob, Dhanish Mon N., Preetha P.	Experimental Validation of Thermal Model of Unfilled and Nanofilled Transformer Oils	9th IEEE PES Asia -Pacific Power and Energy Engineering Conference 2017, Bangalore, 8-9th
27	Anagha Paleri, Preetha P, Sunitha K	Frequency Response Analysis (FRA) in power transformers: An approach to locate inter-disk SC	9th IEEE PES Asia -Pacific Power and Energy Engineering Conference 2017, Bangalore, 8-
28	Shilpa Mohan, Jineeth Joseph and Sindhu T K,	Modelling Of Partial Discharges due to Voids in Underground Cables	National Conference On High Voltage Engineering &
29	Ram S Narayan	Control and Dynamics Of VSC Based HVDC System With Adaptable DC Voltage Balance Control: A Detailed And Noval Analysis Strategy Involving Steady State And Contingency	National Conference On High Voltage Engineering & Technology (NCHVET2017), Organised by CPRI Bangalore
30	Arunkumar M, and Sunitha K	Electric Field Analysis of a 1200kV Resin Impregnated Paper Transformer Bushing,	National Conference On High Voltage Engineering & Technology
31	Dhanish Mon N, Avinash Nelson and Preetha P	Thermal Modeling of Nano Filled Transformer Oil	National Conference On High Voltage Engineering & Technology
32	Jithin T M, Preetha P and Sunitha K	Electric Field Analysis of Y-Type Insulator String used in ± 800 kV HVDC Line	National Conference On High Voltage Engineering & Technology
33	Anagha A P, Avinash Nelson and Preetha P	Analysis of Interface in Epoxy-Alumina Nanocomposites	National Conference On High Voltage Engineering & Technology
34	AnaghaPaleri, Preetha P and Sunitha K	Location of Inter-Disc Short Circuit Fault in Power Transformer Using Frequency	National Conference On High Voltage Engineering & Technology
35	Jayakrishnan S R, Dhanuja Lekshmi, Elizebath P Cherian, Sindhu T K	Identification and Analysis of Subsynchronous Oscillations in DFIG Based Wind Power Plants	TENCON 2016

36	Shahul Hameed, Jineeth Joseph, Sindhu T.K	Detection of location and size of water tree in XLPE cables by frequency response analysis: A simulation	TENCON, 2016
37	Kamaljith and Preetha P.,	" Fault Diagnosis of Power Transformer Using Frequency Response Analysis",	First International Conference on Advanced Materials for Power Engineering, Kottayam,
38	Sanalkrishnan and Preetha P.,	"Electric Field Analysis of 220kV Outdoor Polymeric Insulator with Surface Contaminations",	First International Conference on Advanced Materials for Power Engineering, Kottayam,
39	Sony Kurian, Sindhu T. K., Elizabeth P. Cheriyan	Composite Pricing Strategy for Energy Storage in Wind Electric Generation	7 th Asia Pacific Power and Energy Engineering Conference (IEEE PES
40	Deepthi Karun, Sindhu T K	Fuzzy logic based load frequency control of grid connected distributed generators	IEEE International Conference on Technological Advancements in Power and
41	Kamaljith and Preetha P	Fault Diagnosis of Power Transformer Using Frequency Response Analysis	First International Conference on Advanced Materials for Power Engineering
42	Sanalkrishnan and Preetha P.,	Electric Field Analysis of 220kV Outdoor Polymeric Insulator with Surface Contaminations	First International Conference on Advanced Materials for Power Engineering
43	Sunitha K, M. Joy Thomas	Transient NEMP field coupling with buried shielded cables	Proc. International conference on Electromagnetic interference and Compatibility International conference
44	D Kavitha, TK Sindhu, TNP Nambiar	Effect of Nanoparticles on the Dielectric Strength and PD Resistance of Epoxy Nanocomposites	International Conference on Soft Computing Systems, 277-286
45	Sony Kurian, Sindhu T. K., Elizabeth P.	Composite Pricing Strategy for Energy Storage in Wind Electric Generation	7th Asia Pacific Power and Energy Engineering Conference (IEEE PES
46	Sony Kurian, Sindhu T K, Elizabeth P Cheriyan	Composite pricing strategy for energy storage in wind electric generation, 2015	Power and Energy Engineering Conference (APPEEC), 2015 IEEE PES Asia-
47	Prasanthi A, Sindhu T.K	Optimal placement and rating of FACTS devices for congestion management in power system without and with wind energy	ICACCCT 2014
48	Nayana A K, Sindhu T.K	Analysis of AC fault ride-through capability of VSC based HVDC Transmission system, 2014	International Conference on Advanced Trends in Engineering and Technology
49	Ismail.C,Sreeramakumar.R,Sindhu.T.K ,	Automatic generation control of single area thermal power system with fractional order PID Controller	2014 IFAC Proceedings Volumes
50	Vinitha Krishna, Dr. Sunitha K	Computation of lightning induced voltages on multiconductor transmission lines	Proceedings on Indo-Swedish Colloquium
51	Sunitha, K, Thomas, M.J	HEMP field coupling with buried power	Proceedings of IEEE EMC Symposium
52	Sajith P. C., Sunitha K	Asymmetrical cascaded 15 level inverter using single DC source	Proc. Annual International conference on Emerging research areas: Magnetics,
53	Prasanthi, A. , Sindhu, T.K.	Optimal placement and rating of FACTS devices for congestion management in power system without and with wind energy	IEEE International Conference on Advanced Communication, Control and Computing Technologies, ICACCCT 2014
54	Ismayil C., Sreerama Kumar R. and Sindhu T. K.	Automatic Generation Control of Single Area Thermal Power System with Fractional Order PID	Third International Conference on Advances in Control and Optimization of
55	Ismayil E K, Sindhu T K	Self-healing practice for a LT 11 kV overhead radial distribution feeder	International conference on Power, Energy and control
56	O. Deepu and T.K. Sindhu	Modeling of Nonlinear Loads and Analysis of Harmonics in a Small Scale IT Park	National Conference on Technological Advancements in Power and
57	Sony Kurian, Sindhu T. K., Elizabeth P.	Modelling and simulation of direct driven wind electric generator for grid integration	IEEE INDICON
58	Jayasankar V N., Sindhu. T.K	Optimal Design of a Hybrid Micro-grid for a Remote Village	International Conference on Emerging Technological Trends in Advanced

59	Seena K R, Sindhu T K .	Power synchronization control of VSC-HVDC transmission for weak AC system	International conference on Electrical Engineering and Computer science
60	P. Preetha and M. Joy Thomas,	"Accelerated multistress aging of polymer nanocomposites and its condition monitoring",	IEEE International Conference on Condition Monitoring and Diagnosis, Bali, Indonesia,
61	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 International conference January 2-7 2011, Colorado
62	Sunitha K, M. Joy Thomas	High Power Microwave Coupling with a Buried	Proc. International Vacuum Electronics
63	Sunitha K, M. Joy Thomas	Induced Voltage in a Shielded Buried Cable due to High Power Electromagnetic Sources	Centenary conference in IISc, Bangalore, December 2011
64	K. Sunitha, M. Joy Thomas and	Coupling Of TheHyperband Signals From An Ira WithA Buried Communication Cable	AMEREM 2010
65	P. Preetha and M. Joy Thomas,	"AC breakdown characteristics of epoxy alumina nanocomposites",	IEEE Annual Report Conference on Electrical Insulation and Dielectric Phenomena, West
66	P. Preetha and M. Joy Thomas,.	"Partial discharge resistant characteristics of alumina filled polymer nanocomposites",	16th International Symposium on High Voltage Engineering (ISH-2009), International Convention Center, Cape
67	P. Preetha, Sridhar Alapati, S. Singha, B. Venkatesulu and M. Joy Thomas,	"Electrical Discharge Resistant Characteristics of Epoxy Nanocomposites"	IEEE Annual Report Conference on Electrical Insulation and Dielectric Phenomena, Quebec City, Canada, October 26-29, 2008,
68	Sunitha K, M. Joy Thomas.	HPM coupling with a buried shielded cable	Proc International conference on Electromagnetic interference and
69	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
70	M. J. Thomas and K. Sunitha	The phenomenon of notch in an NEMP simulator and its reduction	Proc. International conference on Electromagnetic interference and