

Publications

Research Publications

Papers in Refereed International journal	Papers in Refereed National journal	Contributed papers in International conference	Contributed papers in National conference
32	5	63	15

Citations: 277

h-index: 8

i10-index: 6

(a) List of publications in the International Referred Journals

YEAR:2017

1. Umashankar M, **N. M. Renukappa**, Lavanya M. S, Kunigal Shivakumar and J. Sundara Raja “Electromagnetic Shielding Effectiveness of Nylon-66 Nanofiber interleaved Carbon-Epoxy Composite Laminates “IEEE Transactions on electromagnetic compatibility (under review) Paper no TEMC-591-2017
2. M. Suchitra, **N. M. Renukappa**, C. Ranganathaiah and J. Sundara Rajan, “Correlation of Free Space Length and Surface Energy of Nanocomposites to Surface Tracking” IEEE Transactions on Dielectrics and Electrical Insulation, (accepted) ,Paper no 7194, 2017. Impact factor 2.115
3. S. Parameshwara and **N M Renukappa** "Influence of interface structure on performance of organic field effect transistors" Int Journal of Nanotechnol., Vol. 14, No. 09/10/11, pp 775-792, 2017.
4. Ambika, Nagaiah N, and **Renukappa N M** Preparation and Characterization of isophthalic-Bi₂O₃ Polymer Composite Gamma Radiation Shields”, Radiation Physics and Chemistry. Vol 130, pp 351-358, 2017. Impact 1.315

YEAR: 2016

5. M. Suchitra, **N. M. Renukappa**, C. Ranganathaiah T. Pasang and J. Sundara Rajan, “Moisture and filler induced effects on the dynamic mechanical properties of glass fiber reinforced epoxy hybrid composites”, IEEE Transactions on Dielectrics and Electrical Insulation, Vol. , No. 6, pp.3631 - 3640 , 2016. Impact factor 2.115
6. M Manjunath, **N.M. Renukappa** and B. Suresha , " Influence of micro and nanofillers on Mechanical properties of pultruded UD glass fiber reinforced epoxy composite systems”, Journal of composite material, Vol 50,pp 1109-1121, 2016. Impact factor1.34

- Suchitra M and **NM Renukappa**" Thermal properties of glass fiber reinforced epoxy composites with and without fillers" *Journal of Macromol. Symp*, Vol 361, pp 117-122, 2016, impact 0.741

YEAR: 2014

- Manasa H S, Chaithra L, Suryanarayana K and **N M Renukappa**, "Peak Current Mode Control For Phase Shifted Full Bridge Zero Voltage Transition DC-DC Converter", *International Journal of Multidisciplinary Research & Advances in Engineering (IJMRAE)*, ISSN 0975-7074, Vol. 6, No. II ,pp. 375-388, 2014. Impact factor 0.5
- P. Dinesh, **N.M. Renukappa**, T. Pasang, Meghala Dinesh, C. Ranganathaiah, "Effect of nanofillers on conductivity and electromagnetic interference shielding effectiveness of high density polyethylene and polypropylene nanocomposites", *European Journal of Advances in Engineering and Technology*, Vol.1 (2), pp.16-28, 2014. Impact 3.5
- M. G. Veena and **N. M. Renukappa**, "Influence of Nanopores on Molecular Polarizability and Polarization Currents in Epoxy Nanocomposites" *IEEE Transactions on Dielectrics and Electrical Insulation* Vol. 21, No. 3; pp.1166-1174, June 2014.

YEAR: 2013

- Rashmi, **N.M. Renukappa**, K.N. Shivakumar, Siddaramaiah, "Effect of montmorillonite clay content on AC conductivity and impedance of epoxy-based nanocomposites", *International Journal of Material Research*, vol.104, pp. 84-92, 2013.

YEAR: 2012

- P. Dinesh, **N. M. Renukappa**, Siddaramaiah and J. Sundara Rajan, "Electrical Properties and EMI Shielding Characteristics of Multiwalled Carbon Nanotubes Filled Carbon Black-High Density Polyethylene Nanocomposites", *Journal of Composite Interfaces*, Vol. 19(2), pp.121–133, 2012. Impact 0.7.

YEAR:2011

- Rashmi, **N.M. Renukappa**, C. Ranganathaiah, K.N. Shivakumar, "Montmorillonite nanoclay filler effects on Electrical conductivity, Thermal and Mechanical properties of epoxy based nanocomposites", *Polym. Engg. and Sci.*, vol. 51(9), pp. 1827-1836, 2011. Impact 1.3
- M.G. Veena, **N.M. Renukappa**, J.M. Raj, C. Ranganathaiah, K.N. Shivakumar, "Characterization of Nano-Silica Filled Epoxy composites for Electrical and Insulating Applications", *J. Appl. Polym. Sci.*, vol. 121(5), pp. 2752-2760, 2011. Impact 1.64
- M.G. Veena, **N.M. Renukappa**, B. Suresha, K.N. Shivakumar, "Tribological and Electrical Properties of Silica-Filled Epoxy Nanocomposites", *Polym. Comp.*, Vol. 32(12), pp. 2038-2050, 2011.
- Rashmi, **N.M. Renukappa**, B. Suresha, R.M. Devarajaiah, K.N. Shivakumar, "Dry sliding wear behaviour of organo-modified montmorillonite filled epoxy nanocomposites using Taguchi's Techniques", *Materials and Design*, vol.32, pp. 4528-4536, 2011.

17. Rashmi, **N.M. Renukappa**, C. Ranganathaiah, Siddaramaiah, "Electrical Insulation and Surface Degradation Properties of Epoxy-Based Nanocomposites", *World Journal of Engineering*, Vol.8, Issue 1, pp. 955(1)-(3), 2011.

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18. Rashmi, **N.M. Renukappa**, "Investigation of Dielectric Behaviors of Nanoclay filled Epoxy and PP/NYLON 66 Nanocomposites for Cable Insulation Application," *AIP conference Proceedings*, vol. 1276(1), pp.210-218, 2010.
19. M.G. Veena, Kunigal N. Shivakumar, **N.M. Renukappa**, B. Suresha, "Influence of SiO₂ content in epoxy-SiO₂ nanocomposites on mechanical and electrical resistivity behavior", *AIP Conference Proceedings*, vol. 1276(1), pp. 216-226, 2010.
20. P. Dinesh, **N. M. Renukappa**, Siddaramaiah, "Impedance and Susceptance Characterization of Multiwalled carbon Nanotubes with High Density Polyethylene-carbon Black Nanocomposites", *Integrated Ferroelectrics*, vol.116 (01), pp.128-136, 2010.
21. P. Dinesh, **N. M. Renukappa**, Siddaramaiah, J. H. Lee, T. Jeevananda, " A Comparative Study on AC Conductivity and Dielectric behavior of Multiwalled Carbon Nanotubes and Polyaniline coated Multiwalled Carbon Nanotubes Filled High Density Polyethylene-Carbon Black Nanocomposites", *AIP Conference Proceedings*, vol. 1276 (1), pp.189-197, 2010.

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22. Rashmi, **N.M. Renukappa**, G. Swaminathan, Siddaramaiah, "Experimental investigation of the influence of clay on dielectric properties of epoxy nanocomposites", *IEEE Proceedings of the 9th International Conference on Properties and Applications of Dielectric Materials (ICPADM-2009)*, vol. H-27, pp. 833-836, 2009.
23. M.G. Veena, **N.M. Renukappa**, S. Seetharamu, P. Sampathkumaran, "Effect of nanofiller at low frequency behavior of dielectric insulator", *IEEE Proceedings of the 9th International Conference on Properties and Applications of Dielectric Materials (ICPADM-2009)*, vol. H-4, pp. 745-748, 2009.
24. **N.M. Renukappa**, R.D. Sudhakar Samuel, B. Suresha, Siddaramaiah, J. Sundara Rajan, "Electrical and Mechanical Properties of Conducting Carbon Black/ SBR Composites", *International Journal of Materials Research, Electronics and Electrical System*, vol. 1(1), pp. 1-9, 2009.
25. **N.M. Renukappa**, R.D. Sudhakar Samuel, Siddaramaiah, J. Sundara Rajan, Joong Hee Lee, "Dielectric Properties of Carbon Black – SBR Composites", *J. Mater. Sci.: Mater. Electron.*, vol.20, pp.648-656, 2009.
26. B. Suresha, G. Chandramohan, **N.M. Renukappa**, Siddaramaiah, "Influence of Silicon carbide filler n Mechanical and Dielectric Properties of Glass fabric reinforced epoxy Composites", *J. Appl. Polym. Sci.*, vol. 111(2), pp. 685-691, 2009.

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27. M.G. Veena, **N.M. Renukappa**, Siddaramaiah, R.D. Sudhakersamuel “Electrical conducting behavior of hybrid nanocomposites containing polyaniline, carbon nanotube and carbon black”, *Proceedings of the SPIE*, vol. 7267, pp. 1-6, 2008.
28. **N.M. Renukappa**, Joong-Hee Li Qi, Siddaramaiah, R.D.Sudhakar Samuel, “Electrical properties of carbon short fiber and carbon Nanotube reinforced PP/UHMWPE Hybrid Composites”, *National Journal of Technology*, vol.4, pp.67-70, 2008.

YEAR: 2007

29. **N.M. Renukappa**, R.D. Sudhakar Samuel, Siddaramaiah, ”Influence of Volume fraction, voltage and temperature on the volume resistivity and breakdown voltage of Carbon Black Filled SBR composites”, *Reinforced Plastics and Composites*, vol.26, pp.25-40, 2007.
30. **N.M. Renukappa**, Siddaramaiah, R.D. Sudhakar Samuel, “Styrene Butadiene Rubber/aluminum Powder Composites - Mechanical, Morphological and Electrical Properties”, *J. Mater. Sci. Mater. Electron.*, vol.18, pp. 635-645, 2007.
31. B. Suresha, G. Chandramohan, **N.M.Renukappa**, Siddaramaiah, “Mechanical and Tribological properties of glass-epoxy composites with and without graphite particulate filler”, *J. Appl. Polym. Sci.*, vol. 103(4), pp.2472-2480, 2007.

YEAR:2006

32. **N.M. Renukappa**, Siddaramaiah, R.D. Sudhakar Samuel, “Studies of Physico-mechanical and Electrical Properties of SBR-Carbon Black Composite Material”, *Reinforced Plastics and Composites*, vol. 25, pp. 1173-1178, 2006.

(b) Research papers published in National journals:

YEAR:2016

33. M.G. Veena, **N.M. Renukappa**, Kunigal N. Shivakumar, S. Seetharamu, “Dielectric properties of nanosilica filled epoxy nanocomposites”, *SADHANA Indian Academy of Sciences*, IISc, Bangalore. 2016.

YEAR:2015

34. S. Parameshwara and **N M Renukappa**, "Simulation of top-contact rubrene organic field effect transistor with SiO₂ and poly (methyl methacrylate) as gate dielectrics", *Indian Journal of scientific Research*, vol. 12, No. 1, pp. , November 2015
35. Deepthi M S, **Renukappa N M** and Ezhilmaran Ranga, “Design and Implementation of Energy Monitoring section for prepaid charge controller”, *Indian Journal of scientific Research*, vol. 4(3), pp. , Sept. 2015.

36. Shilpa B R, **Renukappa N M**, Vishwas K and Suryanarayana K, “Mains Failure Detection using Fourier series”, Indian Journal of scientific Research, vol. 4(3), pp., Sept. 2015.

YEAR:2008

37. **N M Renukappa**, Joong- Hee Lee, Li Qi, Siddaramaiah, R D Sudhaker Samuel, “Electrical Properties of Carbon Short Fibre and Carbon Nanotube Reinforced PP/UHMWPE Hybrid Composites”, *National Journal of Technology, PSG College of Technology*, Coimbatore, vol. 4(3), pp. 67-70, Sept. 2008.

(c) Research papers published in international conference:

YEAR:2018

38. Santhy P. Kuruvilla and **N. M. Renukappa**” Effects of Nano and Micro-Filler on Water Diffusion and Leakage Current of Epoxy Nanocomposite” 3rd International conference on Innovative Design, Analysis& Development Practices in Aerospace and Automotive Engineering, Veltech Dr.RR and Dr.SR University, Chennai, 22-24 February 2018
39. Hadimani Shivakumar, **N. M. Renukappa**, Mythri R, and Kunigal Shivakumar “Dielectric Characterization of Epoxy-GnPs based High k Nano-dielectric” 3rd International conference on Innovative Design, Analysis& Development Practices in Aerospace and Automotive Engineering, Veltech Dr.RR and Dr.SR University, Chennai, 22-24 February 2018

YEAR:2017

40. **N M Renukappa** and Suchitra “Development of epoxy nanocomposite for enhanced thermal performance for outdoor insulation” Twenty-Sixth International Conference on Processing and Fabrication of Advanced Materials , Chonbuk National University, Jeonju, Korea, 16 - 21, October 2017.”
41. S. Parameshwara and **N M Renukappa** “Simulation study of dimensional parameters variation effect on organic field effect transistor performance” 7th National Conference on Novel Polymeric Materials ,S.J. College of Engineering, Mysore, India. 15-16, Sept. 2017.
42. Umashankar M , **N.M. Renukappa** and Kunigal Shivakumar “Effect of nanofabric interleaved on Electromagnetic Interference Shielding Effectiveness of Composite Laminates” 7th National Conference on Novel Polymeric Materials, S.J. College of Engineering, Mysore, India. 15-16, Sept. 2017.

YEAR:2016

43. Suchitra, and **N M Renukappa**, “ glass-fiber reinforced epoxy hybrid nanocomposite” International conference on Advanced Material and Technology,SJCE, Mysuru, India, 26-28 May 2016.

44. Manjunath M, **N M Renukappa** and Siddaramaiah , “Effect of electrical tracking phenomena on thermal properties of glass-fiber reinforced epoxy hybrid nanocomposite ” International conference on Advanced Material and Technology,SJCE, Mysuru, India, 26-28 May 2016.
45. Manjunath M and **N M Renukappa**, “Leakage current and surface discharge phenomenon: Effect of tracking and morphological properties of glass fiber reinforced epoxy hybrid nanocomposite”, Second Indo-canadian symposium on Nanoscience and Technology , National Institute of Engineering, Mysuru, India, held from 18-19 February 2016.

YEAR:2015

46. Manjunath M, **N M Renukappa**, Siddaramaiah and Chandrasekar S, “Lightning Impulse Voltage Tests of Glass- Fiber- Reinforced Epoxy Composite Insulators”, First international conference on advanced materials for power engineering , Mahatma Gandhi university, Kottayam, India, held from 11-13 December 2015.
47. Manjunath M and **N M Renukappa**, "Dielectric breakdown and Electrical Aging tests of glass- fiber- reinforced epoxy composite with combined micron and nano-sized fillers for insulator applications” International Conference on NMD&ATM-15, held at PS G, Coimbatore, November,13-16, 2015.
48. Suchitra M and **N M Renukappa**, “Electrical ac conductivity and impedance of micro and nano fillers filled epoxy composites for high voltage insulator applications”, International Conference on NMD&ATM-15, held at PS G,Coimbatore, November,13-16, 2015.
49. Bommegowda K.B, Vishwas K, Suryanarayana K, **N. M. Renukappa**, “Single Phase Inverter Control with Capacitor Current Feedback”, IEEE International Conference on Power and Advanced Control Engineering (ICPACE 2015), held at BNMIT, Bangaluru ,August 12-14, 2015.
50. Manjunath M and **N.M. Renukappa** “Study of Hybrid Nanocomposite Insulator Exposed to High Voltage AC Surface discharge”. INDO-BRAZIL Bilateral International Conference on Advanced Materials and Manufacturing (ICAMM 2015) held at Cape Institute of Technology, Tirunelveli-TN/INDIA, March 27-28, 2015

YEAR:2014

51. Suchitra M and **N.M. Renukappa** "Thermal properties of glass fiber reinforced epoxy composites with and without fillers" Third International Conference on Polymer Processing and Characterization held at School of Chemical Science Auditorium, Mahatma Gandhi University, Kottayam, Kerala, October 11-13, 2014.
52. Umashankar. M , **N. M. Renukappa**, Hadimani Shivakumar and Kunigal Shivakumar "Dielectric Properties of Carbon-Epoxy Composite Laminates depending on Frequency and Temperature" Third International Conference on Polymer Processing and Characterization held at School of Chemical Science Auditorium, Mahatma Gandhi University, Kottayam, Kerala, October 11-13, 2014

53. Suchitra M and **N.M. Renukappa**, Siddaramaiah, Effect of water absorption on dielectric properties of glass fiber reinforced epoxy hybrid nanocomposites International Conference on Polymer Composites 2014 held at National Institute of Technology Karnataka, Surathkal on December 19th-20th, 2014.
54. Vishwas K, Suryanarayana K, **N. M. Renukappa**, L. V. Prabhu, “Modeling of multiphase boost converter for solar battery charging system”, IEEE student’s conference on electrical, electronics and computer science March, 2014. ISBN : 978-1-4799-2526-1/14
55. Bharath Kumar T, Dhanaraj, Irfan V, Santhosh Kumar H, Prasanna Kumar Boodi, **N.M Renukappa**, “AC Induction Motor drive control based on Digital Signal Processor”, International Conference on Emerging trends in Engineering, ISBN:978-93-83083-80-0, Vol.2,pp. 232-235,2014.

YEAR:2013

56. Dinesh P and **N M Renukappa** “Investigation of the Conductive Properties of Polypropylene-Carbon Black-Multiwalled Carbon Nanotube Composites using Positron Annihilation Technique” International Conference On Nano Materials: Science, Technology And Applications”, Chennai, Tamil Nadu, Dec 05-07, 2013.
57. S. Parameshwara, **N.M. Renukappa**, “Performance evaluation of top contact PANI Organic Thin Film Transistors with SiO₂ and poly (methyl methacrylate) as gate dielectrics”, *11th ICSD IEEE International Conference on Solid Dielectrics*, Bologna, Italy, 30 June - 4 July, 2013.
58. Parameshwara.S , **N. M. Renukappa**,“Polyaniline Thin Film Transistors with SiO₂ and Poly (methyl methacrylate) as Gate Dielectrics”, Proc., The first *Ino-Canadian Symposium on Nano-Science and Technology*, National Institute of Engineering, Mysore, 20-22 February, 2013.
59. M.G. Veena, **N.M. Renukappa**, M. Manjunatha, P.B. Chethan, “Leakage current analysis of epoxy nano dielectrics with variable contaminant flow rate”, *Ino-Canadian Symposium on Nano-Science and Technology*, National Institute of Engineering, Mysore, 20-22 February, 2013.
60. Rashmi, **N. M. Renukappa**, Siddaramaiah, “Dielectric Spectroscopy of Epoxy/Vinyl ester Resin with and without oMMT Nanofiller”, *Indo-Canadian Symposium on Nano-Science and Technology*, National Institute of Engineering, Mysore, 20-22 February, 2013.
61. M.G. Veena, **N.M. Renukappa**, P.B. Chethan, Rashmi, “Effect of Seawater Absorption on Surface Degradation of Epoxy-Alumina Nano Dielectrics for outdoor Insulation Applications”, *3rd International Conference on Recent Advances in Material Processing Technology*, National Engineering College, Kovilpatti, pp. 172-174, 7-9 January, 2013.

YEAR:2012

62. K. Deepakala, **N. M. Renukappa**, P.B. Chethan, “Numerical simulations of contact resistance in Polyaniline based thin-film transistors” International Conference on Current Trends in Engineering and Management (ICCTEM-2012), Vidya Vardhaka College of Engineering, Mysore
63. **N M Renukappa**, Rashmi, Kunigal N Shivakumar, Manjunatha M, P. Sampath Kumaran, “Effect of TiO₂ and OMMT nanofiller on Thermal Conductivity and Heat Deflection

- Temperature of Nanodielectrics”, *10th International conference on Properties and applications of Dielectric Materials*, CPRI, Bangalore in association with IEEE, 24-28 July, 2012.
64. M.G. Veena, **N.M. Renukappa**, Kunigal N Shivakumar, S Seetharamu, “Study of Interface Behavior on Dielectric properties of Epoxy-Silica Nanocomposites”, *IEEE 10th International Conference on Properties and Applications of Dielectric Materials ICPADM 2012*, Central Power Research Institute, Bangalore, India, 24-28 July, 2012.
 65. Rashmi, **N. M. Renukappa**, Kunigal N. Shivakumar, Manjunatha M, “Electrical Discharge Resistant Characteristics of Nanodielectrics”, *10th International conference on Properties and applications of Dielectric Materials*, CPRI, Bangalore in association with IEEE, 24-28 July, 2012.
 66. Rashmi, **N.M. Renukappa**, Kunigal N Shivakumar, J Sundara Rajan, “Effect of Interface Behavior on Dielectric Strength of Epoxy-oMMT nanocomposites”, *1st International Conference on Advanced Materials Science and Engineering ICAMSE-12*, Colombo, Srilanka, 01-04 July, 2012.
 67. Rashmi, **N. M. Renukappa**, Manjunatha M, Suresh Bhimappa, “Tribological and Electrical Properties of Epoxy/ Vinyl ester nano composites”, *1st International Conference on Advanced Materials, Science and Engineering (ICAMSE-12)*, Colombo, Sri Lanka, 01-04 July, 2012.
 68. P. Dinesh, **N.M. Renukappa**, Siddaramaiah, Sundara Rajan, “Electrical Resistivity and Electromagnetic Interference Shielding Effectiveness of Multiwalled Carbon Nanotubes filled Carbon Black-High Density Polyethylene Nanocomposites”, *International Conference on Electrical, Computer, Electronics & Biomedical Engineering (ICECEBE-2012)*, Dubai, UAE, pp. 336-339, 7-8 January, 2012.

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69. P. Dinesh, **N. M. Renukappa**, Siddaramaiah, Sundara Rajan, “Temperature Dependence of Electrical Resistivity of Multiwalled Carbon Nanotubes filled Carbon Black-High Density Polyethylene Nanocomposites”, *International Conference NMD-ATM 2011*, Hyderabad, India, 13-16 Nov, 2011.
70. Rashmi, **N.M. Renukappa**, C. Ranganathaiah, Siddaramaiah, “Effect of Montmorillonite Nanoclay Filler on Surface Degradation Properties of Epoxy-Based Nanocomposites”, *Annual International Conference on Composites or Nano Engineering (ICCE-19)*, Harbin, China, pp. 110-112, 24-30 July, 2011.
71. M.G. Veena, **N.M. Renukappa**, J. Sundara Rajan, “Effect of Filler on Arc, Tracking Resistance and Dielectric Strength of Epoxy-Silica Nanocomposites”, *Second International Conference on Materials for the Future (ICMF-2011)*, Thrissur, Kerala, India, pp. 62-63, 23-25 Feb, 2011.
72. Rashmi, **N.M. Renukappa**, K.N. Shivakumar, P. Sampathkumaran, “Effect of Montmorillonite clay on AC conductivity and Dielectric strength of nanocomposites”, *International Conference (ICC-CFT 2011)*, IISc, Bangalore, India, p. 65, 4-7 Jan, 2011.
73. M.G. Veena, **N.M. Renukappa**, K.N. Shivakumar, S. Seetharamu, “Dielectric properties of nanosilica filled epoxy nanocomposites”, *International Conference (ICC-CFT 2011)*, IISc, Bangalore, India, p. 65, 4-7 Jan, 2011.

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74. P. Dinesh, **N.M. Renukappa**, Siddaramaiah, T. Jeevananda, "Thermal and Impedance Behaviors of PANi coated MWNT Filled HDPE-CB Nanocomposites", *International Conference on Nanomaterials and Nanotechnology (Nano-2010)*, Tamil Nadu, p.76, 13-16 Dec, 2010.
75. Rashmi, **N.M. Renukappa**, J. Sundara Rajan, "Influence of Nanoparticle Surface Treatment on the Dielectric Properties of vinylester Nanocomposites", *International conference on power cables (Cable tech 2010)*, CPRI, Bangalore, India, pp. Sv-313-321, 25-26 Nov, 2010.
76. Rashmi, **N.M. Renukappa**, S. Vynatheya, "The study of surface degradation properties on epoxy-OMMT nanocomposites under AC voltage", *International Conference on Advanced Materials, Manufacturing, Management, and Thermal Sciences (AMMMT 2010)*, SIT, Tumkur, India, pp.22-23, 18-19 Nov, 2010.
77. M.G. Veena, **N.M. Renukappa**, Kunigal N. Shivakumar, "Study of Thermal and Dynamic Mechanical Properties of Nanopox F400/SC 79 Epoxy Composites", *International Conference on Advanced Materials, Manufacturing, Management, and Thermal Sciences (AMMMT 2010)*, SIT, Tumkur, India, p. 43, 18-19 Nov, 2010.
78. P. Dinesh, **N.M. Renukappa**, Siddaramaiah, "Dielectric Properties of Short Carbon Fiber Filled Polymer Composites", *International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences (AMMMT-2010)*, SIT, Tumkur, p. 42, 18-19 Nov, 2010.
79. Rashmi, **N.M. Renukappa**, Siddaramaiah, "Understanding the thermal properties of vinylester nanocomposites", *International Conference on Communication, Computation, Controls and Nanotechnology (ICN-2010)*, REC, Bidar, India, pp. 947-950, 29-30 Oct, 2010.
80. P. Dinesh, **N.M. Renukappa**, Siddaramaiah, T. Jeevananda, "Study on AC Conductivity and Impedance Properties of Short Carbon Fiber Filled Polypropylene Composites", *International Conference on Communication, Computation, Controls and Nanotechnology (ICN-2010)*, REC, Bidar, India, pp. 936-939, 29-30 Oct, 2010.

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81. Rashmi, **N.M. Renukappa**, P. Sampath Kumaran, "AC Impedance characteristics of epoxy-clay nanocomposites", *International Conference on Electro ceramics (ICE-09)*, Delhi, India, p. 179, 13-17 Dec, 2009.
82. M.G. Veena, Kunigal N. Shivakumar, **N.M. Renukappa**, Gowthaman Swaminathan, "Dielectric properties and Breakdown strength of uniformly dispersed Nanosilica/Epoxy nanocomposites", *International Conference on Electro ceramics (ICE-2009)*, Delhi, India, p. 347, 13-17 Dec, 2009.
83. Rashmi, **N.M. Renukappa**, "Electrical Impedance and AC Conductivity Properties of Exfoliated but Poorly-Dispersed Nanoclay/Epoxy Nanocomposites", *International Conference (NMDATM-09)*, Kolkata, India, p. 120, 14-16 Nov, 2009.
84. Rashmi, **N.M. Renukappa**, R.D. Sudhaker Samuel, Siddaramaiah, Joong- Hee Lee, "Dielectric property of short carbon fiber reinforced PP/UHMWPE composites," *2nd*

international conference on Recent Advances in Material Processing Technology (RAMP't -09), Kovilpatti, Tamilnadu, India, pp. 180-183, 25-27 Feb, 2009.

85. **N.M. Renukappa**, M.G. Veena, R.D. Sudhaker Samuel, Siddaramaiah, C. Viswanatha, "Studies on impedance and susceptance behavior of insulator-conductor composites", *International Conference on Recent Advances in Materials, Processing and Technology (RAMP't 09)*, Kovilpatti, Tamilnadu, India, pp. 184-188, 25-27 Feb, 2009.
86. **N.M. Renukappa**, M.G. Veena, Siddaramaiah, "Studies on impedance and susceptance behaviour of insulator conductor composites", *international conference on Recent Advances in Materials, Processing and Technology (RAMP't)*, Kovilpatti, Tamilnadu, pp.184-188, 25-27 Feb, 2009.

YEAR:2008

87. **N.M. Renukappa**, M.G. Veena, "Electrical Conducting Behavior of Hybrid Nano composites containing Polyaniline, Carbon Nanotube and carbon black", *Smart Materials, Nano+ Micro-Smart Systems, SPIE*, RMIT, Melbourne, Australia, 9-12 Dec, 2008.
88. **N.M.Renukappa**, Rashmi, Siddaramaiah and D. Sudhaker Samuel, "AC conductivity and Impedance Properties of Carbon Short fiber and Carbon Nano Tube Reinforced PP/UHMWPER Hybrid Composites", *Second international conference on polymer blends, composites, IPNS, membranes, polyelectrolyte and gels: macro to nano scales, (ICBC – 2008)*, Kottayam, Kerala, India, 22-24 Sep, 2008.
89. **N.M. Renukappa**, Joong- Hee Lee, Li Qi, Siddaramaiah and R.D. Sudhaker Samuel, "Electrical Properties of Carbon Short Fiber and Carbon nano tube Reinforced PP/UHMWPE Hybrid Composites", *International Conference on Recent Advances in Materials Processing and Characterization (RAMP't-08)* Vijayawada, Andhra Pradesh, India, 3-4 July, 2008.

YEAR:2007

90. **N.M.Renukappa**, R.D. Sudhaker Samuel, Siddaramaiah, "Industrial Electrical Properties of SBS/PAn Systems", *International Symposium on Energy Related Materials (NMD-07)*, Nehru Centre, Mumbai, India, 13-16 Nov, 2007.
91. **N.M.Renukappa**, R.D. Sudhaker Samuel, Siddaramaiah, "Investigation of Electrical Properties of Polyaniline Filled NBREVA Thermo Plastic Elastomer Vulcanizates", *International Conference on Advanced Material (ICAM-07)*, Hotel Grand Ashoka, Bangalore, India, 8-13 Oct, 2007.
92. **N.M.Renukappa**, R.D. Sudhaker Samuel, Siddaramaiah, "Studies on Mechanical and Electrical Properties of Styrene-butadiene-styrene Triblock Copolymer-polyaniline Composites", *International Conference on Polymeric Materials in Power Engineering (ICPMPE-07)*, Central Power Research Institute, Bangalore, India, 4-6 Oct, 2007.
93. **N.M.Renukappa**, Siddaramaiah, Joong- Hee Lee, T. Jeevananda, Seok-Bong Heo and Nam Hoon Kim, "Dielectric Behaviour of Styrene-Butadiene-Styrene/Polyaniline Composites", *15th Annual International Conference on composites/Nano Engineering, (ICCE-15)*, Haikou, Hainan Island, China, 15-21 July, 2007.

94. **N.M.Renukappa**, Siddaramaiah, R.D. Sudhaker Samuel, T. Jeevananda, Nam Hoon Kim, Seok-Bong Heo, and Joong- Hee Lee, "Mechanical and Electrical Properties of Styrene-Butadiene-Styrene/Aluminium Composites", *International Conference of KSME-07*, Busan, South Korea, 30-01 June, 2007.
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