

Annexure-E

Training courses and conference/seminar/workshop papers

1. Mimi Mukherjee, Mohan L. Verma, Swagota Sarkar and S. Bhushan: Advances in Electronic Materials & Devices [AEMD-006] held at Guru Ghasidas University 2006 Photoconductivity and nanoparticle studies of some chemically deposited Cds & (Cd-Pb)S films.
2. Mohan L. Verma, Mimi Mukherjee, B.K. Rao and O.P. Verma: Advances in Electronic Materials & Devices [AEMD-006] held at Guru Ghasidas University 2006 A Preliminary modeling of ionic drift mobility of a nanocomposite 0.9 AgI: SiO₂.
3. Mohan L. Verma, Mimi Mukherjee, B.K. Rao and Lalit K. Bhaiya : National Conference in Recent Trends in Material Science (RTMSO6) 2006, North Maharashtra University, Jalgon (MS) A preliminary modeling of space charge dielectric constant of nano composite [0.9AgI:0.1 SiO₂] : modeling.
4. Mohan L. Verma, K. Deshmukh and Anil Choubey presented in National Conference on Physics of Nano Structured Functional Materials (BITCON 2007) Determination of Space Charge Dielectric Constant of -AgI : A Preliminary Modelling
5. Mohan L. Verma, B.K.Rao & Mimi Mukherjee, presented in National Conference on Physics of Nano Structured Functional Materials 2007, at Bhilai Institute of Technology-Durg (Chhattisgarh) Modeling and evaluation of Ag⁺ diffusion in nanocomposite electrolyte 0.9AgI:0.1SiO₂.
6. Mohan L. Verma, Mimi Mukherjee, S. Bhushan and Purna Bose presented in National Conference on Physics of Nano Structured Functional Materials 2007, Bhilai Institute of Technology-Durg(Chhattisgarh) Electro-optical studies of chemically deposited Lanthanum/Neodymium doped (Cd-Pb)S films.
7. Mohan L. Verma, Anil Choubey, Mimi Mukherjee and B.K.Rao presented in National Conference on Advances in Electronic Materials and Devices (AEMDO7), Bilaspur 2007, Trap modulated Mobility of Ag⁺ ions in 0.9AgI:0.1SiO₂: Modeling and Determination at room temperature.

8. Mohan L. Verma and Arti Verma, Horizons of electrolytic, electronics and photonic material physics 2007, Shri Shankaracharya College of Engg. & technology- Junwani Bhilai, Chhattisgarh Application of image processing in the characterization of nanomaterials.
9. Mohan L. Verma and B. Keshav Rao, Horizons of electrolytic, electronics and photonic material physics 2007, Shri Shankaracharya College of Engg. & technology- Junwani Bhilai, Chhattisgarh Modeling of space charge density in nanocomposite electrolyte (0.9AgI:0.1SiO₂).
10. M.Mukherjee, S.Bhushan and Mohan L.Verma, Horizons of electrolytic, electronics and photonic material physics 2007, Shri Shankaracharya College of Engg. & technology- Junwani Bhilai, Chhattisgarh Photoconductive studies on chemically deposited doped and undoped (Cd-Pb)S films.
11. Mimi Mukherjee, Mohan L. Verma and Shashibhushan in the national conference on Horizons of electrolytic, electronics and photonic material physics 2007, Shri Shankaracharya College of Engg. & Technology,- Junwani, Bhilai, Chhattisgarh Electro-optical properties of some chemically deposited rare-earth semiconducting film.
12. Mohan L. Verma and B.Keshav Rao Modeling of Space Charge Density in Some Nanocomposite Solid Electrolyte, 11th Asian Conference on Solid State Ionics at BU-DRDO Centre for Life Sciences, Bharathiar University, Coimbatore, India 2008.
13. Mohan L. Verma, B.Keshav Rao, Homendra Sahu and Nirbhay K. Singh Modeling and Determination of Space Charge Dielectric Constant of Nanocomposite Electrolyte 0.9[0.75 AgI : 0.25 AgCl] : SiO₂, 11th Asian Conference on Solid State Ionics, at BU-DRDO Centre for Life Sciences, Bharathiar University, Coimbatore, India 2008.
14. Mohan L.Verma, Nirbhay K. Singh and Homendra Sahu, Supercapacitors for hybrid electric vehicles: A survey and modeling of new control structure in New materials for pollution free energy devices 11th Asian Conference on Solid State Ionics, at BU-DRDO Centre for Life Sciences, Bharathiar University, Coimbatore, India 2008.
15. Mohan L. Verma, B.Keshav Rao, Arti Verma and Mimi Mukherjee “Structural Characterization of Ionic Materials Applying Digital Image Processing of SEM/TEM Image : A novel Approach” in New materials for pollution free energy devices, 11th Asian Conference on Solid State Ionics, at BU-DRDO Centre for Life Sciences,

- Bharathiar University, Coimbatore, India 2008.
16. Mohan L. Verma & B. Keshav Rao presented in (Silver Jubilee International Conference, CONIAPS-X at Guru Ghasidas University, Bilaspur 2008) Modeling of Space Charge Density in Nanocomposite Solid Electrolyte $0.9\text{AgCl} : 0.1\text{SiO}_2$.
 17. Mohan L. Verma, Mimi Mukherjee and Arti Verma presented in (Silver Jubilee International Conference, CONIAPS-X at Guru Ghasidas University, Bilaspur 2008) Structural characterization of nano-crystalline CdS by digital image processing.
 18. Modeling of Percolation Ionic Current in Nanocomposite Solid Electrolyte, Mohan L. Verma and B. Keshav Rao, in the 8th National Conference on Solid State Ionics: Materials for Novel Devices 2009, Sagar, M.P. India.
 19. Mohan L. Verma & B. Keshav Rao, Modeling of Space Charge Conductivity in Some Nanocomposite Solid Electrolyte, New Horizons in Physics and Electronics, St. Thomas College, Bhilai (C.G.) 2010.
 20. Mohan L. Verma, B. Keshav Rao and Homendra Sahu, Modeling of a transport property of a nano-composite material, Recent Trends in Physics of Solids, G.V.Y.T.P.G.A. College, Durg (C.G.) 2011.
 21. Mohan L. Verma, B. Keshav Rao and Upma, The Role of Computer Experiments in Research and Development of Chhattisgarh, National Conference on Role of Science & Technology for Sustainable Development of Chhattisgarh, SSGI, Bhilai, 25-26 Jan. 2012.
 22. B. Keshav Rao and Mohan L. Verma, A Density Functional Approach: Cationic Interaction in Polymer Systems, National Conference on Nanoscience and Nanotechnology, SSGI, Bhilai, 8 Nov. 2014.
 23. Nirbhay Singh, Mohan L. Verma and B. Keshav Rao, Electrical and electrochemical behavior on nano-composite polymer electrolyte (NCPE) membranes: $(1-x)(\text{PEO}_{70}:\text{AgI}_{30})(1-x):x\text{TiO}_2$ for capacitor application, third International Conference on polymer and characterization, at Mahatma Gandhi University, Kottayam, 11-13 Oct., 2014.
 24. Mohan L. Verma, Rachana Singh and B. Keshav Rao, First principle study of light emitting electrochemical cell, Third International Conference on Polymer and Characterization, at Mahatma Gandhi University, Kottayam, 11-13 Oct., 2014.

25. Rachna Singh, Mohan L Verma and Upma, Study of electrolyte materials for LEEC: A DFT approach, National Conference on Nanostructured Materials and Their Characterization, Bhilai Institute of Technology, Bhilai, C.G., 20-21, Feb. 2015.
26. Upma, Mohan L Verma and Rachna Singh, Ab Initio Studies on Electronic Structure and Charge Density of Potato Starch, National Conference on Nanostructured Materials and Their Characterization, Bhilai Institute of Technology, Bhilai, C.G., 20-21, Feb. 2015.
27. Rachna Singh and Mohan L Verma, Comparative Study of Electrolyte Materials for LEEC: A first principle approach, National Conference on Polymer Science, Shri Shankaracharya Technical Campus (SSGI), Bhilai, 21 March, 2015.
28. B Keshav Rao, Mohan L Verma, Homendra Sahu & Nirbhay K Singh, The First Principle Study of 0.75AgI:0.25AgCl: A Density Functional Approach, All India Conference on Sustainable Product Development, CSIT, Durg, 24-25 April, 2015.
29. Mohan L Verma and Rachna Singh, 11th National Conference on Solid State Ionics (NCSSI-11), Dept. of Physics, Tezpur University on 21-23, Dec. 2015.
30. Mohan L Verma, Rachna Singh and B. Keshav Rao, First principle study of PPV-PEO-LiClO₄ in the context of light emitting electrochemical cell, 11th National Conference on Solid State Ionics (NCSSI-11), Dept. of Physics, Tezpur University on 21-23, Dec. 2015.
31. Upma, Mohan L Verma, Rachna Singh and Ranveer Kumar, First principle studies on structural and electronic properties of PEO₃-LiI, 11th National Conference on Solid State Ionics (NCSSI-11), Dept. of Physics, Tezpur University on 21-23, Dec. 2015.
32. Mohan L Verma, Homendra D Sahu, Nirbhay K Singh and Ranveer Kumar, Impedance spectroscopy study of PEO based nanocomposite polymer electrolyte processed with magnetic field, 11th National Conference on Solid State Ionics (NCSSI-11), Dept. of Physics, Tezpur University on 21-23, Dec. 2015.