

Annexure-A-1

Research Publications (Other than refereed journal articles)

1. R.C. Agrawal, Chetan K. Sinha and **Mohan L. Verma**. *Discharge characteristic study on solid-state battery using composite electrolyte system 0.8 [0.25AgI:0.25AgCl]:0.2Fe₂O₃*, Proc. of the 7th Int. symposium in Advances in Electrochemical science and Technology ISAEST –VII, Chennai India 174-177 2002.
2. Mimi Mukherjee, **Mohan L. Verma**, Swagota Sarkar and S. Bhushan, Photoconductivity and nanoparticle studies of some chemically deposited CdS & (Cd-Pb)S films, Advances in Electronic Materials & Devices" [AEMD - 2006] held at Guru Ghasidas University, P. K. Bajpai et al. (eds) New Delhi, India 2006.
3. **Mohan L. Verma**, Mimi Mukherjee, B.K. Rao and O.P. Verma, *A preliminary modeling of ionic drift mobility of a nanocomposite 0.9 AgI:SiO₂*, Advances in Electronic Materials & Devices [AEMD-006] held at Guru Ghasidas University, P.K. Bajpai et al (eds) New Delhi, India 2006.
4. **Mohan L. Verma**, Mimi Mukherjee, B. K. Rao and Lalit K. Bhaiya, *A preliminary modeling of space charge dielectric constant of nanocomposite [0.9AgI :0.1 SiO₂] modeling*, proceeding of National conference in recent trends in material science (RTMS06), North Maharashtra University, Jalgaon (MS) 2006.
5. **Mohan L. Verma**, K. Deshmukh and Anil Choubey -“*Modeling and Determination of drift mobility of Ag⁺ in 0.75 AgI:0.25AgCl*”, proceeding of National Conference on Physics of Nano Structured Functional Materials 72-76 2007.
6. **Mohan L. Verma**, B. K. Rao and Mimi Mukherjee -“*Modeling and evaluation of Ag⁺ diffusion in nanocomposite electrolyte 0.9AgI:0.1SiO₂*”, proceedings of National Conference on Physics of Nano Structured Functional Materials 52-56 2007.
7. Mimi Mukherjee, **Mohan L. Verma**, S. Bhushan and Purna Bose, “*Electro-optical studies of chemically deposited Lanthanum/Neodymium doped (Cd-Pb)S films*”, proceedings of National Conference on Physics of Nano Structured Functional Materials

78-82 2007.

8. **Mohan L. Verma** and B. Keshav Rao “*Modeling of Space Charge Density in Nanocomposite Solid Electrolyte 0.9AgCl:0.1SiO₂*”, proceeding of International conference on interdisciplinary approach in physical sciences: Growing trends and recent advances, Guru Ghansidas University Bilaspur (Chhattisgarh) India 2008.
9. **Mohan L. Verma**, Mimi Mukherjee and Arti Verma, *Structural characterization of nano- crystalline CdS by digital image processing* in the proceeding of International conference of Interdisciplinary approach in physical sciences : growing trends and recent advances, Guru Ghansidas University Bilaspur (Chhattisgarh) India 2008.
10. **Mohan L. Verma**, B. Keshav Rao and Homendra Sahu, *Modeling of a transport properties of a nano-composite material*, proceedings of National Conference on recent trends in physics of solids, Excellent publishing house, eds. K.V.R. Murthy et al. pp. 59-63 2011.