Research Publications in Journals

1. Effect of lead additive on photoconductive properties of Se-Te chalcogenide films
   N. Kushwaha, V. S. Kushwaha, R. K. Shukla & A. Kumar
   Journal of Non-crystalline Solids 351 (2005) 3414

2. Effect of Ag additive on the electrical properties of Se-Te alloys
   N. Kushwaha, N. Mehta, R. K. Shukla & A. Kumar
   Journal of Advanced Materials N6 (2005) 22

3. Observation of M N rule in amorphous Se_{100-x}Te_x thin films
   N. Kushwaha, N. Mehta, R. K. Shukla, D. Kumar and A. Kumar

4. High field conduction in a-Se_{70}Te_{30-x}Cd_x thin films: Applicability of Meyer Neldel Rule
   V. S. Kushwaha, N. Mehta, N. Kushwaha and A. Kumar
   Journal of Optoelectronics & Advanced materials, 7(5)(2005) 2035

5. Electrical and photoelectrical properties of vacuum deposited Se-Te-Pb thin films
   N. Kushwaha, R. K. Shukla & A. Kumar
6. Anomalous behaviour in Dark conductivity and photoconductivity in \(a\)-Se\(_{85}\)Te\(_{15-x}\)Pb\(_x\) thin films at low temperatures

N. Kushwaha, S. Kumar, R. K. Shukla & A. Kumar


7. Observation of Meyer-Nelde rule in amorphous thin films of Se\(_{100-x}\)Sb\(_x\) in presence of light

N. Kushwaha, R. K. Shukla & A. Kumar

*Journal of Non-crystalline Solids* 352(52-54) (2006) 5670-5675

8. Determination of Energy of Defect Centers in a-Se\(_{78}\)Ge\(_{22}\) Thin Films

N. Kushwaha, V. S. Kushwaha, R. K. Shukla & A. Kumar


9. Thermally Stimulated Current measurements in a-(Ge\(_{20}\)Se\(_{80}\))\(_{94}\)Pb\(_6\)

V.S. Kushwaha, N. Kushwaha, A. Kumar


10. Effect of antimony additive on photoelectrical properties in amorphous Se

N. Kushwaha, S. Singh, R. K. Shukla and A. Kumar

*Journal of alloys and compounds* 456( 2008) 46

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**Research Paper Presented in Conferences/Seminars**
1. Effect of lead additive on photoconductive properties of Se-Te chalcogenide films
N. Kushwaha, V.S.Kushwaha, R. K. Shukla & A. Kumar

**Thirteenth International conference (IWPSD)** on the physics of semiconductor devices held in NPL, Delhi held on 13-17 Dec., 2005

2. Covalent approach to activation energy in some chalcogenide glasses
N. Mehta, N. Kushwaha & A. Kumar


3. Temperature dependence of d. c. conductivity in a-Se-Te-Pb thin films
N. Kushwaha, N. Mehta, R. K. Shukla & A. Kumar

**THERMANS-2006**, the fifth national symposium on Thermal Analysis held Feb,6-8 in University of Rajasthan, Jaipur

4. Light Induced Effect in a-Se$_{80-x}$Te$_{20}$Ag$_x$ thin films
N. Kushwaha, N. Mehta, R. K. Shukla & A. Kumar

**MRSI-AGM 2006**, 17th annual general meeting of Materials Research society of India, Lucknow held on 13-15 Feb., 2006

5. Estimation of Defect Centers in a-Se$_{78}$Ge$_{22}$ Thin Films
N. Kushwaha, V.S.Kushwaha, R. K. Shukla & A. Kumar

**RAMS-2006**, National conference on Recent Advances in Material Science held at Kurukshetra University on 27-29 Sep.

6. Anomalous behaviour in Dark conductivity and photoconductivity in a- Se$_{85}$Te$_{15}$-xPbx thin films at low temperatures
N. Kushwaha, R. K. Shukla & A. Kumar

7. Effect of SnO$_2$ filling in multiwall carbon nano tubes

N. Kushwaha, R. Kumar & J. Mittel

NCTP-2013 7$^{th}$ National Conference on Thermophysical Properties, 17-19 Oct, 2013, Kanpur University, Kanpur