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Area of Interest

Dielectric/Piezoelectric/Ferroelectric ceramics

List of Publications

INTERNATIONAL

1. "Dielectric response of PLZT ceramics *x*/57/43 across ferroelectric – paraelectric phase transition**"**, **A. K. Shukla**, V. K. Agrawal, I. M. L. Das, Janardan Singh and S. L. Srivastava. *Bull. Mat. Sci.*, 34 (1), 133-142, 2011, DOI: 10.1007/s12034-011-0036-1.

2. "Temperature dependence of electromechanical properties of PLZT x/57/43 ceramics" by **A. K. Shukla**, V. K. Agrawal, I. M. L. Das, Janardan Singh and S. L. Srivastava, *Bull. Mat. Sci.*, 33 (4), 383-390, 2010, DOI: 10.1007/s12034-010-0058-0.

3. "Structural, dielectric and electromechanical properties of Cr doped PLZT close to morphotropic phase boundary region", **A. K. Shukla**, V. K. Agrawal, I. M. L. Das, Janardan Singh, D. P. Singh and K. N. Sood, *Phase Transitions, Vol. 79(11), pp 875 – 887, 2006.*

4. "Radial mode piezoelectric response of La modified lead zirconate titanate in morphotropic phase boundary region", **A. K. Shukla**, V. K. Agrawal, N. C. Soni, D. P. Singh, Janardan Singh and S. L. Srivastava. *Ferroelectrics Vol. 308, pp 67-84, 2004.*

Research Projects

1. "Development of thick film pyroelectric detectors using doped lead lanthanum zirconate titanate (PLZT) and barium strontium titanate (BST)" A K Shukla (PI) and A L Verma (Co – PI), Submitted to DST, New Delhi on 23 – 06 – 2011.