

List of Publications

1. Electric Field Induced Cubic to Monoclinic Phase Transition and Ultrahigh Strain in Multiferroic $0.65\text{Bi}(\text{Ni}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-}0.35\text{PbTiO}_3$ Ceramic, Rishikesh Pandey and Akhilesh Kumar Singh, *Appl. Phys. Lett.* **105**, 162901 (2014).
2. Presence of a Monoclinic (Pm) Phase in the Morphotropic Phase Boundary Region of Multiferroic $(1-x)\text{Bi}(\text{Ni}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-}x\text{PbTiO}_3$ Solid Solution: A Rietveld Study, Rishikesh Pandey and Akhilesh Kumar Singh, *J. Appl. Phys.* **116**, 044102 (2014).
3. Phase Coexistence and the Structure of the MPB Region in $(1-x)\text{Bi}(\text{Mg}_{1/2}\text{Zr}_{1/2})\text{O}_3\text{-}x\text{PbTiO}_3$ Solid Solution, Rishikesh Pandey, Ashish Tiwari, Ashutosh Upadhyay and Akhilesh Kumar Singh, *Acta Mater.* **76**, 198-206 (2014).
4. Structural and Dielectric Characterization on Multiferroic $x\text{Ni}_{0.9}\text{Zn}_{0.1}\text{Fe}_2\text{O}_4 / (1-x)\text{PbZr}_{0.52}\text{Ti}_{0.48}\text{O}_3$ Particulate Composite, Rishikesh Pandey, Braj Raj Meena and Akhilesh Kumar Singh, *J. Alloy. Compd.* **593**, 224-229 (2014).
5. Absence of Tetragonal Distortion in $(1-x)\text{SrTiO}_3\text{-}x\text{Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3$ Solid Solution, Rishikesh Pandey, Ravi Kiran Pillutla, Uma Shankar and Akhilesh Kumar Singh, *J. Appl. Phys.* **113**, 184109 (2013).
6. Synthesis and Structural studies on $(1-x)\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-}x\text{PbTiO}_3$ Piezoceramics, Ashutosh Upadhyay, Rishikesh Pandey, Shashwat Anand and Akhilesh Kumar Singh, *AIP Conf. proc.* **1591**, 79 (2014).
7. Synthesis and structural characterization of highly tetragonal $(1-x)\text{Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-}x\text{PbTiO}_3$ piezoceramics, Jyoti Sharma, Rishikesh Pandey, and Akhilesh Kumar Singh, *AIP Conf. Proc.* **1512**, 92-93 (2013).

Manuscript Communicated

8. Investigation of New Lead-free $(1-x)\text{BaTiO}_3\text{-}x\text{Bi}(\text{Mg}_{1/2}\text{Zr}_{1/2})\text{O}_3$ Solid Solution with Morphotropic Phase Boundary, Shashwat Anand, Rishikesh Pandey, Akhilesh Kumar Singh, *arXiv:1311.3788v1* [cond-mat.mtrl-sci].
9. Investigation of Crystal Structure of $\text{SrLa}(\text{FeTi})\text{O}_6$ and $\text{BaLa}(\text{FeTi})\text{O}_6$ Perovskites by Rietveld Refinement, Umashankar, Puneet Kumar, Rishikesh Pandey, Akhilesh Kumar Singh.