

List of Publications

- Origin of Suppression of Charge Ordering Transition in Nanocrystalline $\text{Ln}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ (Ln = La, Nd, Pr) Ceramics, **Uma Shankar** and Akhilesh Kumar Singh, *Journal of Physical Chemistry-C*, 119, 28620-28630 (2015).
- Investigation of Crystal Structure of $\text{SrLa}(\text{FeTi})\text{O}_6$ and $\text{BaLa}(\text{FeTi})\text{O}_6$ Perovskites by Rietveld Refinement, **Uma Shankar**, Puneet Kumar Agarwal, Rishikesh Pandey and Akhilesh Kumar Singh, *Solid State Sciences*, 52, 78-82 (2016).
- Absence of Tetragonal Distortion in $(1-x)\text{SrTiO}_3\text{-xBi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3$ Solid Solution, Rishikesh Pandey, Ravi Kiran Pillutla, **Uma Shankar** and Akhilesh Kumar Singh *J. Appl. Phys.*, 113, 184109 (2013).
- The Nanocrystalline Coordination Polymer of AMT-Ag for an Effective Detection of Ciprofloxacin Hydrochloride in Pharmaceutical Formulation and Biological Fluid, Madhu Tiwari, Ashish Kumar, **Uma Shankar** and Rajiv Prakash, *Biosensors and Bioelectronics*, 85, 529-535, (2016).
- New Lead-free $(1-x)\text{BaTiO}_3\text{-xBi}(\text{Mg}_{1/2}\text{Zr}_{1/2})\text{O}_3$ Solid Solution with Morphotropic Phase Boundary and Diffuse Phase Transition, Shashwat Anand, Rishikesh Pandey, **Uma Shankar** and Akhilesh Kumar Singh, *J. Am. Ceram. Soc.* (Accepted).

Participated in Schools/ Workshops/ Symposiums/ Conferences

- **IUCr MaTHCryst and CIMS Workshop on “Symmetry Relationship between Crystal Structures with Applications to Structural Phase Transition”** October 27-31, 2014 Organized by School of Materials Science and technology, Indian Institute of Technology, Banaras Hindu University, Varanasi India.
- **Winter School on “Practical Crystallography and Structure Solution”** will be Organized Department of physics, Banaras Hindu University, Varanasi 221005, under UGC Networking programme during the periods of March 5-11, 2014.

- **42nd National Seminar on “Crystallography” (NSC 42) and International workshop on “Application of x-ray diffraction for Drug Discovery”** will be organized jointly by Indian Crystallographic Association (ICA) and INSA National Committee for IUCr. NSC 42 will be held in New Delhi during November 21-23, 2013(**Oral**).

- **International Conference on “Nanoscience and Nanotechnology” (ICNN-2013)** will be Organized by Department of Applied Physics, School for Physical Science Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India will be held in Lucknow during November 18-20, 2013(**Poster**).

- **“GARUDA BOOT CAMP”** on National Computational Grid (GBC-2013) March 06 - 07, 2013 Organized by Indian Institute of Technology (Banaras Hindu University) Varanasi.

- Workshop on **“Electro active Materials”** April 22-23, 2012 Organized by School of Materials Science and Technology IT BHU held at BHU Varanasi.

- Workshop on **“Electronic and Ionic Materials & Devices”** during March 25-27, 2011 Organized by Department of Physics, BHU held at BHU-Varanasi.

- Certificate of Participation **“Author Workshop jointly Orgnized by Springer and IIT BHU”** Auther Workshop on 10th February 2014 at IIT BHU, Varanasi.