

List of Publication

Scientific Publications in International refereed Journals

1. **Monika**, Sanjeev Kumar Mahto, Snehashish Das, Amit Ranjan, Santosh Kumar Singh, Partho Roy and Nira Misra, “Chemical modification of poly(vinyl chloride) for blood and cellular biocompatibility” RSC Advances, 5, (56), 45231-45238. **2015**.
2. **Monika**, S.K. Singh and N. Misra “Chemical Modification of Poly(vinyl chloride) by thiourea: Influence of Surface Characteristics” Advanced Science, Engineering and Medicine, 6 (11), 1167-1170(4), 2014.
3. Govinda Kapusetti, **Monika**, A.K.Ray and N.Misra “Thromboresistance of functionalized poly (methyl methacrylate): The effect of surface polarity”, Bulletin of Material Science, 38 (3), 1–4, 2015.
4. **Monika**, Arun Kumar Mahanta, Ritic Kshyap, Priya Gautam and Nira Misra, Thermal and Mechanical Properties of Functionalized Poly(vinyl chloride) (PVC)/Layered double hydroxide (LDH) Nanocomposites. RSC Advances.(Comunicated)
5. **Monika**, Snehashish Das, Partho Roy, Santosh Kumar Singh and Nira Misra, Blood and Cellular Biocompatibility of Functionalized Poly(vinyl chloride) (PVC)/Layered double hydroxide (LDH) Nanocomposites. Macromolecules.(Comunicated)
6. Shilpa Jaiswal, Raghvendra Raman Mishra, **Monika**, Govinda Kapusetti, Amit Kumar Ray and Nira Misra. “Effect of mangiferin incorporated bone cement on superoxide dismutase level in rat model” Indian Journal of Experimental Biology. (Under review)

Paper presented in conferences

1. **Monika** and Nira Misra, “**Synthesis of thiosulphated Poly(vinyl chloride)/Layered double hydroxide nanocomposite**” in Indian Institute of Technology (BHU) on Institute day during February 26-27, 2015.
2. **Monika** and Nira Misra, “**Synthesis of functionalized Poly(vinyl chloride)/Layered double hydroxide nanocomposite**” in International Symposium on Polymer Science and Technology on January 23-26, 2015
3. **Monika**, S.K.Singh and N.Misra “**Synthesis and cytotoxicity of PVC/LDH nanocomposite**”in International conference on Electron Microscopy & XXXV Annual meeting of Electron microscope Society of India (EMSI) on July 9-11,

2014 at University of Delhi, Delhi.

4. **Monika**, S.K.Singh and N.Misra “**Preparation and characterization of poly(vinyl chloride)/layered double hydroxide nanocomposite**” in International Conference on Nanoscience & Nanotechnology (Aligarh Nano-IV International 2014) at Aligarh Muslim University, Aligarh on March 8-10, 2014. (Under peer review)
5. **Monika**, and N.Misra “**Modification of poly (vinyl chloride) film and resin for biomedical application**” in Fourth International Conference on Recent Advances in Composite Materials (ICRAM-2013), on February 18-21, 2013 organized by Department of Mechanical Engineering, IIT-BHU, Varanasi. (Under peer review)
6. **Monika**, R. R. Mishra, S. Jaiswal, G. Kapusetti, and N. Misra “**Chemical Modification of Poly (vinyl chloride) Sheet with Thiourea for Cell Study**” in International Conference on Recent Trends in Applied Physics & Material Science (RAM – 2013) on February 1-2, 2013 at Bikaner, Rajasthan. <http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.4810648>
7. **Monika**, Raghvendra Raman Mishra, Nira Misra “**Polymer (Poly vinyl chloride) modification for cell studies**,” World Congress on Biotechnology, Hyderabad on May 4-6, 2012.
8. Participated in XXXV National Conference of Indian Association of Medical Microbiologist (MicroCon 2011), Department of Microbiology, Institute of Medical Sciences, Banaras Hindu University, Varanasi on November 26-28, 2011.
9. Participated in National Conference on Experimental Tools for Material Science Research: State of Art, Banaras Hindu University, Varanasi on December 3-4, 2010.

Attended Workshop

1. Attended 10 days National Workshop on Techniques in Animal Cell Culture & In Vitro Toxicology organized by Mahatma Gandhi-Doerenkamp Centre (MGDC) for Alternatives to use of Animals in Life Science Education & Gandhi-Gruber-Doerenkamp chair for Alternatives in Life Science Education & In Vitro Toxicology, Bhathidasan University, Tricharapalli, March 14-23, 2012.