

## Publications

- **Govinda Kapusetti**, Monika, Nira Misra, A. K. Ray. Thromboresistance of functionalized poly (methyl methacrylate): The effect of surface polarity, *Bulletin of Materials Science*, 38, 1, 2015. DOI:10.1007/s12034-014-0835-2 (IF-0.4)
- Shilpa Jaiswal, Kalyan Ramesh, **Govinda Kapusetti**, Amit Kumar Ray, Biswajit Ray, Nira Misra Mangiferin as chain transfer agent: effect on the molecular weight of poly(methyl methacrylate) and polystyrene, *Polymer Bulletin*, 72, 1407, 2015 DOI:10.1007/s00289-015-1343-2 (IF-1.5)
- **Govinda Kapusetti**, Rakesh Sharma, Nira Misra, Pralay Maiti. Improved bioactive functionalized graphene nanohybrid for bone filling applications. (*Accepted in ACS Applied material and interfaces*) 2015 (IF-5.9)
- **Govinda Kapusetti**, Nira Misra, Vakil Singh, Swati Srivastava, Partha Roy, Kausik Dana and Pralay Maiti. Bone cement layered nanohybrid as a super biomaterial for faster bone healing. *Journal of Material Chemistry B*, 2, 3984 (2014). DOI: 10.1039/C4TB00501E (IF-6.2)
- **Govinda Kapusetti**, Raghvendra Raman Mishra, Swati Srivastava, Nira Misra, Vakil Singh, Partha Roy, Santosh Kumar Singh, Chanchal Chakraborty, Sudip Malik and Pralay Maiti. Layered double hydroxide induced advancement in joint prosthesis using bone cement: The effect of metal substitution. *Journal of Material Chemistry B*, 1.2275 (2013). DOI: 10.1039/C3TB00004D (IF-6.2)
- Monika, R. R. Mishra, S. Jaiswal, G. Kapusetti, N. Misra. Chemical modification of poly (vinyl chloride) sheet with thiourea for cell study. *AIP Conf. Proc.* **1536**, 1157, 2013. DOI: 10.1063/1.4810648
- **Govinda Kapusetti**, Nira Misra, Vakil Singh, R. K. Kushwaha, Pralay Maiti. Bone cement/layered double hydroxide nanocomposites as potential biomaterials for joint implant. *Journal of Biomedical Materials Research Part A*, 100, 3363 (2012). DOI: 10.1002/jbm.a.34296 (IF-2.9)
- Nira Misra, **Govinda Kapusetti**, Shilpa Jaiswal, Pralay Maiti. Toughening of bone cement using nanoparticle: The effect of solvent, *Journal of Applied Polymers*, 121, 1203, (2011). DOI: 10.1002/app.33712 (IF-1.23)
- Nira Misra, Arnab Sarkar, Akkala Srinivas, **Govinda Kapusetti**. Study of Blood Viscosity at Low Shear Rate and Its Flow through Viscoelastic Tubes and Ducts, *Indian Journal of Physics* 86(2) 89, 2012. DOI: 10.1007/s12648-012-0019-0 (IF-1.78)

- Nira Misra, **Govinda Kapusetti**, H S Panda, Shilpa Jaiswal and Subhratanu Bhattacharya. Physical and Conductivity properties of Poly(vinyl chloride) Ionomers, *Indian Journal of Physics*, 85(2),271, 2011. **DOI:** 10.1007/s12648-011-0003-0 (**IF-1.78**)
- N Misra, S Bharathi, G **Kapusetti**, D.K Upadhyay, S Jaiswal. Polyaniline-Poly(vinyl alcohol) IPN-Composite Prepared from Potassium Dichromate embedded, *Indian Journal of Physics*, 85 (5) 703, 2011. **DOI:** 10.1007/s12648-011-0072-0 (**IF-1.78**)
- Nira Misra, H. S. Panda, **Govinda Kapusetti**. Modification of PVC Film and Study the Effect of Glass Transition Temperature and Biocompatibility. *Journal of Polymeric Materials*, 28, (2),141, 2011. (**IF-0.4**)
- Nira Misra, **GovindaKapusetti**, D. K. Pattanayak, A. Kumar. Fabrication and characterization of epoxy/silica functionally graded composite material, *Indian Journal of Physics*, 85 (9), 1393, 2011. **DOI:** 10.1007/s12648-011-0161-0 (**IF-1.78**)