**Outcome of the research work:**

**Paper Publications:**

1. Studies on the flame retardant, mechanical and thermal properties of ternary magnesium hydroxide/clay/EVA Nanocomposites
   A. Ahamad, C. B. Patil, P. P. Mahulikar, D. G. Hundiwale and V. V. Gite
   *Journal of Elastomers and Plastics* 44 (3), 251–261, 2011

2. Preparation and Characterization of Polypropylene Nanocomposites Filled with Nano Calcium Phosphate
   A. Ahamad, A.B.Chaudhari, C. B. Patil, P. P. Mahulikar, D. G. Hundiwale, V. V. Gite
   *Polymer-Plastics Technology and Engineering* 51, 786–790, 2012

   A. Ahamad, C. B. Patil, V. V. Gite, D. G. Hundiwale

   A. Ahamad, D. G. Hundiwale
   (Communicated to *Polymer-Plastics Technology and Engineering*, 2013)

5. Synergism between LDH and nano zinc phosphate on the flammability and mechanical properties of polypropylene
   Mahendra Nevre, A. Ahamad, Sandip Rajput, P. P. Mahulikar, D. G. Hundiwale and V. V. Gite
   (Communicated to *Journal of Applied Polymer Science*, 2013)

   A. Ahamad, D. G. Hundiwale
   (Manuscript is ready, to be communicated to *Journal of Vinyl and Additives Technology*, 2013)

7. Volumetric studies of 2,2,2-Cryptand in aqueous and aqueous-KBr solutions at 298.15 K: An example involving solvent induced hydrophilic and hydrophilic interactions.
   (Communicated to *Journal of Solution Chemistry*, 2013)
• **Paper Presentations in International/National Conferences:**


• **Workshops and Seminars attended:**


2. Workshop on “Project, Thesis and Paper writing in Chemistry” held at School of Chemical Sciences, NMU, Jalgaon on 9\(^{th}\) March 2012.

3. Short Course on “Microwave Assisted Organic Synthesis” held at IIT, Mumbai on 31\(^{st}\) October 2012.

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