

## **Department of Chemistry and Technology of Polymers** Cracow University of

**Technology**([www.pk.edu.pl](http://www.pk.edu.pl)) is active in the broad area of polymeric materials. The main research interests are: preparation of novel biocomposites with cellulose, polymer nanocomposites with layered silicates, organic-inorganic hybrid materials with POSS, polymers from renewable raw materials, polymers with improved thermal stability and lower flammability, thermal energy storage materials, polyurethane foams, epoxies.

Experience in EC co-funded projects:

- COST MP0701 Composites with Novel Functional and Structural Properties by Nanoscale Materials Nano Composite Materials-NCM, 2009÷2013, consortium of 42 partners from 14 countries;
- ENMat - European Network of Materials Research Centres, since 2011, consortium of 21 partners from 10 countries;
- COST MP1105 Sustainable flame retardancy for textiles and related materials based on nanoparticles substituting conventional chemicals, 2011÷2015, consortium of 36 partners from 18 countries,
- Nanomaterials related environmental pollution and health hazards throughout their life cycle (FP7, NEPHH), 2009÷2012, consortium of 9 partners from 6 countries;
- Marie Curie Training Center 'Structure and Properties of Advanced Materials for Environmental Applications', 2002÷2006.

### **We look for:**

**Partners to participate in joint projects in following fields: preparation of novel biocomposites with cellulose, polymer nanocomposites with layered silicates, organic-inorganic hybrid materials with POSS, polymers from renewable raw materials, polymers with improved thermal stability and lower flammability, thermal energy storage materials, polyurethane foams, epoxies.**

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