Current Projects:

1. *Photochemically active systems and probes for polymer research* - Project of the scientific grant agency of the Ministry of Education of the Slovak Republic and of Slovak Academy of Sciences VEGA 2/0112/13, Research period: 2013-2016, **Principal investigator**
2. *Photoactive hybrid nanomaterials with luminescent and antimicrobial properties* - Project of Slovak R&D Agency SRDA-0291-11, Research period: 2012-2015, cooperation with Institute of Chemistry SAS, principal investigator from PISAS
3. *Living/controlled polymerizations:Optimization of polymerization process toward well defined polymers with targeted architecture and properties* - Project of Slovak R&D Agency SRDA-0109-10, Research period: 2011-2014, member of the research team;
4. *Photosensitive biodegradable polymer materials* - Project of the scientific grant agency of the Ministry of Education of the Slovak Republic and of Slovak Academy of Sciences VEGA 2/0074/10, Research period: 2010-2012, member of the research team
5. *Light sensitive low molecular and macromolecular systems as basis for construction of novel types of probes and modification of polymers* - Project of the scientific grant agency of the Ministry of Education of the Slovak Republic and of Slovak Academy of Sciences VEGA 2/0097/09, Research period: 2009-2011, **Principal investigator**
6. *Study of medically important derivatives of sacharides – GLYCOMED* - Centre of Excellence of the Slovak Academy of Sciences, Research period: 2009-2012, member of the research team
7. *Centre for materials, layers and systems for applications and chemical processes in extreme conditions – MACHINA Stage II* - Centre of Excellence, project no. 26240120021, Research period: 2010-2012, member of the research team
8. *Photoactive biodegradable polymeric materials based on polyesters* - Bilateral project SAS-PAS, Research period: 2010-2012, **Coordinator** of the Polymer Institute SAS;
9. *Fluorescent labels for optimization of graphene distribution in graphene/polymer nano-composite materials with improved properties* - DAAD bilateral Slovak-German project, Research period: 2011-2012, member of the research team;
10. *Synthesis and characterization of advanced polymer and biopolymer materials – SYNADPOL* - Project within the Central and East European Polymer Network (CEEPN), Joint Polish-Slovak laboratory established on January 1, 2008, **Supervisor** of the Slovak laboratory

Colaborations:

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- Assoc. Prof. K. Koynov

Max-Planck Institute, Mainz, Germany

- Assoc. Prof. J. Bujdak

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