



Jaroslav Mosnáček, DSc.

Deputy Director of the Polymer Institute SAS

Head of the Department of Synthesis and Characterization of Polymers

Principal Research Scientist (Research Professor)

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Research Interest:

- Studies of controlled/living polymerization techniques
- New functional well defined polymers and polymers from renewable monomers
- Surface modification of nanoparticles; preparation of hybrids for various applications
- Stabilization, degradation and photochemical modifications of polymers

Education:

- **MSc. in Organic chemistry** (6/1998), Comenius University, Faculty of Natural Sciences, Department of Organic Chemistry, Bratislava, Slovak Republic. Supervisor: Prof. Štefan Toma. Title: „Attempts of new synthesis of chosen pigments“.
- **PhD. in Macromolecular chemistry** (9/1998 – 5/2002), Slovak Academy of Sciences, Polymer Institute, Bratislava, Slovak Republic. Supervisor: Dr. Ivan Lukáč. Title: „Photo-oxidation of selected 1,2-dicarbonyl compounds in a polymer film“.

Positions and Experience:

- 9/2016 – present: **Principal Research Scientist (Research Professor)**, Polymer Institute SAS
- 9-10/2015 and 9-11/2016: **Research stay** at Centre of Advanced Materials, Qatar University, Doha, Qatar, collaboration with Dr. Peter Kasak
- 6/2015 – present: **Head of the Department of Synthesis and Characterization of Polymers** at Polymer Institute of SAS
- 7/2010 – present: **Deputy Director** of the Polymer Institute SAS
- 11/2009 - present: **Member of the Scientific Council** of the Polymer Institute SAS
- 6/2007 – 8/2016: **Senior Research Scientist**, Polymer Institute SAS
- 10/2007 – 9/2008 **Postdoctoral Fellowship**, Department of Chemistry, Carnegie Mellon University, Pittsburgh, USA, assistantship with **Prof. Krzysztof Matyjaszewski**

- 12/2004 – 5/2006 **Postdoctoral Fellowship**, Atomic Energy Research Institute, King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia, assistantship with **Prof. Ahmed A. Basfar**
- 5/2003 - 12/2003 **Postdoctoral Fellowship**, Centrum of Molecular and Macromolecular Studies, Polish Academy of Sciences, Lodz, Poland, (grant of European Commission within 5th Framework Program), assistantship with **Prof. Stanislaw Penczek**
- 11/2002 – 4/2003 **Postdoctoral Fellowship**, University of Pisa, Department of Chemistry and Industrial Chemistry, Pisa, Italy (grant of European Community within the project POLYCAT), assistantship with **Prof. Francesco Ciardelli**
- 6/2002 – 05/2007 **Research Scientist**, Polymer Institute, Slovak Academy of Sciences, Bratislava, Slovak Republic
- 11/1999-12/1999 and 5/2000 **short-term research stay**, Technical University, Institute of Organic Chemistry, Dresden, Germany, assistantship with **Doz. Dr. Wolf D. Habicher**,

Affiliations:

- Slovak Chemical Society, since 1998
- American Chemical Society, Polymer Chemistry Division, since 2008

Grants, Honors and Awards:

2012 - Grant of European Regional Development Fund. Head of the project entitled: “*Advanced Bio-Friendly Polymers*”

2011 - member of the team identified, by the independent ranking agency Academic Ranking and Rating Agency (ARRA, Slovakia), as the Top Team of the Slovak Academy of Sciences

2010 - member of the Scientific and Technical Team of the Year awarded by Minister of Education of the Slovak Republic

2004 - **Slovak Young Researcher of the Year** (The Award for “*Preparation of photo-reactive compounds, monomers and polymers, and modification and stabilization of polymers*”).

2003 - Grant of European Commission within 5th Framework Program for post-doc in CMMS PAS in Lodz, Poland

2002 - Grant of European Community within the project POLYCAT for post-doc in University of Pisa, Italy