

Curriculum Vitae

Mária Omastová, PhD., D.Sc.

Nationality: Slovak

Affiliation Polymer Institute

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Work experience:

2015 – member of the SAS Presidium

1995 -present: senior research fellow, Polymer Institute, Slovak Academy of Sciences (PI SAS), Bratislava; Slovakia, Head of Department of Composite Materials

January **1994** - January **1995** - Post-doctoral stay at Institute of Polymer Research Dresden, Germany

1993 - junior researcher, PI SAS

1988 - 1992 - PhD. student, PI SAS

1985 - study stay, Polymer Institute, Slovak Academy of Sciences, Bratislava, Slovakia

Education and training:

M.Sc. in physical chemistry, Slovak Technical University, Faculty of Chemical Technology, Bratislava, Slovakia, 1985

Ph.D. in macromolecular chemistry, Slovak Academy of Sciences, Bratislava, 1993. Ph.D. thesis "Synthesis of Polypyrrole on the Presence of Pyridinium Chlorochromate and Study of its Properties", supervisors: Prof. Milan Lazár, D.Sc, Dr. Stanislav Košina.

D.Sc. - Doctor of Sciences in macromolecular chemistry, Slovak Academy of Sciences, Bratislava, 2009.

Research interests:

- polymeric nanocomposites with nanofillers, carbon nanotubes, graphene, montmorillonite, preparation and properties, sensors and actuators
- conducting composites and blends, preparation and study of their properties (spectroscopic characterization, thermal ageing, stability, thermooxidation, etc.)
- conducting polymers, mechanism of the polymerization, and their characterization
- surface and interphase characterization of polymeric, organic and inorganic materials by X- ray photoelectron spectroscopy

Additional information:

Total number of journal publications: 150 (130 CC)

Number of book chapters: 5

Number of citations: 2650+

Hirsch index from WOS 29

More than 200 oral and poster presentations in scientific conferences, 3 Slovak patents

Awards:

1993 - winner of the competition the best paper of young scientist at PI SAS

1994 - fellowship from Institute of Polymer Research, Dresden, Germany

1996 - Award from Literary found, Slovak Republic for young scientists

2001 – Award of the journal Chemical Papers for the best paper of the year 2001, "*Polyaniline and Polypyrrole – Two Representatives of the Conducting Polymers*"

2005 – Award of the American Chemical Society, short visit of 3 US Universities in the framework of the International Initiatives Program

2011 – M. Omastova team was ranked in the category *excellent* by Academic Ranking and Rating Agency (ARRA, Slovakia) "*Identification of high scientific teams and their members in Slovak Academy of Sciences*"

2012 – Award of the Slovak Academy of Sciences for collection of scientific publications and work in the interdisciplinary research of electrically conductive polymers, composites, and nanocomposites

2012 – member of the Learned Society, Slovak Republic

2005, 2010 and 2013 – invited professorship for one month stay at University Paris-7-Denis Diderot, France

2012 - Prize of the Literary Fund for the three-year scientific citations in the category Technical sciences, II. place

2015 - Daniel Belluš Medal for outstanding merits for the development of chemistry

2016 - Honorary member of the Czech Chemical Society

2016 - Prize of the Literary Fund for the three-year scientific citations in the category Technical sciences, II. place

2017 - Scientist of the Year 2016

International cooperation:

- Institute of Macromolecular chemistry, Academy of Sciences of the Czech Republic, Prague <http://www.imc.cas.cz>,
- Chemical Research Center, Hungarian Academy of Sciences, Budapest, Hungary <http://www.chemres.hu/>,
- Leibniz Institute of Polymer Research, Germany, www.ipfdd.de,
- Tomas Bata University in Zlin, Czech republic Faculty of Technology, www.ft.utb.cz,
- Centro Nacional de Microelectronica, Spain, www.cnm.es,
- Dokuz Eylul University Mechanical Eng. Department, Turkey, www.deu.edu.tr,
- Faculty of Mathematics and Physics Charles University, Czech republic, www.mff.cuni.cz,
- Cavendish Laboratory, Cambridge, UK, www.phy.cam.ac.uk,
- University Paris-7-Denis Diderot, CNRS, UMR 7086, Paris, France <http://www.univ-paris-diderot.fr>,
- Suleyman Demirel University, Faculty of arts and science, Department of chemistry, Isparta, Turkey, www.fef.sdu.edu.tr,
- Charles University Prague, Department of Macromolecular Physics, Prague, Czech Republic, is.cuni.cz

Other activities:

- President of the Slovak Chemical Society (2013-2014), Vice –president (2015-2016),
- Vice -president of the Polymer division, Slovak Chemical Society
- Representative of Polymer Division, Slovak Chemical Society in European Polymer Federation
- Chairperson of the Organic chemistry and polymers section, Meetings of the Slovak and Czech Chemical Societies organized in 2001, 2003, 2005, 2007, 2011
- Chairperson of the 20th *Bratislava International Conference on Macromolecules, **Advanced Polymeric Materials***, organized in June 2006, Bratislava, Slovakia
- Chairperson of the conference EUROFILLERS 2013, August 2013, Bratislava
<http://www.eurofillers2013.sav.sk/>
- Chairperson of the conference New Trends in Solar Cells 2016, April 2016, Bratislava
<http://www.solarcells.sav.sk/>
- Member of Editorial board of ChemZi

Bratislava, July 2017