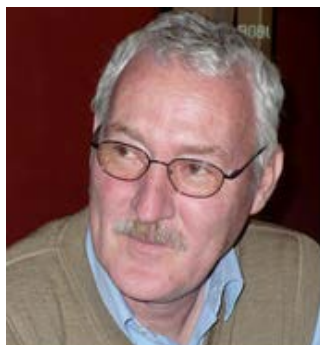


Curriculum Vitae

Peter Cifra, PhD, DSc, principal scientist
Polymer Institute, Slovak Academy of sciences,
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Author and co-author of **90 publications cited in Web of Science (WOS) with more than 850 citations (SCI, no self-citations), h-index=22**, several chapters in monographs and *cca* 25 invited lectures at conferences. Born in 1955 in Zvolen, Slovakia, married, three children.

Education:

1974-1979 Comenius University, Faculty of Natural Sciences, Bratislava, specialization in physical chemistry

1980-1984 PhD study in macromolecular science in the field of thermodynamics of polymer solutions and blends, defence in 1985

Professional career and research stays abroad:

1985 - 1997 research fellow at Polymer Institute, Slovak Academy of Sciences (SAS)

1986 - 1987 year-long postdoc stay at University of Massachusetts, Amherst

1989 - 1990 year-long stay at University of Massachusetts, visiting scientist

1992 month-long stay at Freiburg University, Germany

1992 - 1993 one year stay at University of Technology, Eindhoven, NL, visiting scientist

1997 - now principal research investigator, Polymer Institute, Slovak Academy of Sciences, principal investigator of projects granted by Slovak grant agencies

2000, 2002 two-months stays in Polytechnic University Brooklyn (now NYU Poly), New York

Research administration:

Since 1992 participation in administration of research as a member of scientific board of Polymer Institute, in years 1996-1998 and 2010- as a chairman. During years 1997-2002 and 2005-2012, 2016- a member of granting agency VEGA in Slovakia, a member of PhD panels for macromolecular chemistry in Slovakia; 2002-2010 a deputy director of Polymer Institute SAS, member of Assembly of SAS in 2009-, chairman of committee for DSc degrees in Macromolecular chemistry since 2010, Participation in organizing several international conferences

Teaching:

Technical University, Bratislava, Physics of polymers, 1992-2002

Comenius University Bratislava, Macromolecular chemistry, 2005-

Projects:

Principal investigator in projects:

“Properties of macromolecular systems under geometrical confinement and at interfaces.”
VEGA 2/7076/22, 2000-2002

“Molecular thermodynamics of key confined systems in applications of polymers”, VEGA
2/3013/25, 2003-2005

"Nondilute polymer solutions at theta conditions and solutions of rigid polymers in confining geometries", NSF, DMR9876360, 2000-2002, USA, international part of project

„Nanoscale simulations of (bio)macromolecular systems with geometrical confinement and interfaces“, VEGA 2/6116/26, 2006-2008

„Assesment of role of confinement of macromolecules in polymer materials and processes“,
APVV-0079-07, 2007-2010

„Structural transitions of confined semi-flexible macromolecules“ VEGA 2/0093/12, 2012-2015

„Nanostructure of (bio)macromolecular systems in nanochannels“, VEGA 2/0055/16, 2016-2019

„Structural transitions of (bio)macromolecules in nanochannels“, APVV-15-0323, 2016-2019

Participation as investigator in several other VEGA projects and two APVT/APVV projects
Member of Center of excellence COMCHEM, 2007-2010, SAS

Awards and memberships:

Prize of the Slovak Academy of Sciences for Young Scientists (1989)

Degree DSc. (1998)

Member of scientific board of Polymer Institute, SAS, since 1992, chairman since 2010

Member of committee Chemistry and Chemical Technology of grant agency VEGA in 1997-2002, 2005-2012 and 2016-

Member of Scientific College of SAS for Chemical Sciences, 2006-

Member of Assembly of Slovak Academy of Sciences, 2010-

Profile:

Research activities and output include problems in macromolecular chemistry, physical chemistry of macromolecular systems, polymer physics and biophysics of DNA. Thermodynamics and molecular computer simulations of polymers, polymer solutions and blends, their phase behaviour, effects of interactions and other molecular properties on thermodynamic behaviour of polymer materials, nano-confined polymer systems, macromolecular biophysics, macromolecular interfaces, polymer elasticity.

Specialization: macromolecular chemistry and physics, molecular simulations, thermodynamics of polymers, physical chemistry