

## Curriculum vitae of Pál Jedlovsky

I was born at 14.09.1967 at Budapest. I did my undergraduate studies at the Eötvös Loránd University, Budapest between 1986 and 1991 and I received M.Sc. degree in Chemistry at 1991. I obtained Ph. D. degree at the Hungarian Academy of Sciences in October 1996, and became Doctor of the Hungarian Academy of Sciences (D. Sc.) in November 2007.

I spent the academic year of 1991-1992 in the research group of Dr. Robert L. McGreevy at the Clarendon Laboratory of Oxford University as a visiting graduated student. After returning to Hungary, between 1992 and 1995, I was a Ph.D. scholar of the Hungarian Academy of Sciences at the Department of Solution Chemistry, Central Research Institute for Chemistry of the Hungarian Academy of Sciences, working under the supervision of Prof. Gábor Pálinkás. In the years 1995-1997 I was a research assistant at the same department. In 1995 I spent three months at the Department of Physics of the University of Trento, Italy, where I was a guest of Prof. Renzo Vallauri. From October, 1996 I spent nine months at the same department as a postdoctoral guest researcher with a Hungarian State Eötvös Fellowship. Between 1997 and 2000 I was working at the Department of Physiology and Biophysics, Mount Sinai School of Medicine of the New York University in the research group of Prof. Mihaly Mezei, partly (for nine months) as a Hungarian State Eötvös Fellow. In the academic year of 2000-2001 I was a guest researcher at the Department of Physics, University of Trento, and an invited researcher at the Department of Chemical Information Technology, Budapest University of Technology. Between 2001 and 2010 I was research fellow at the Institute of Chemistry of the Eötvös Loránd University, Budapest (2001-2003: Magyary Zoltán Fellow, 2003-2007: Békésy György Fellow, 2007-2010: Bolyai János Research Fellow). In 2006 I spent two months at the University of Franche Comte (Besancon, France) as a guest professor, giving a course entitled as *Monte Carlo methods* in their PhD program. From March, 2007 I spent six months again at the University of Trento as a Hungarian State Eötvös Fellow. In 2008 I spent two months at the USTL University of Lille (France) as an invited professor. In 2010 I spent two months again at the University of Franche Comte (Besancon, France) and also at the USTL University of Lille (France) as an invited professor. Since 2009 I work at the Esterházy Károly University of Eger, Hungary (2009-2010: associate professor, from 2010: full professor), and at the Technical Analytical Chemistry Research Group of the Hungarian Academy of Sciences as a research professor.

I started my research work during my undergraduate studies, under the supervision of Prof. Imre Ruff and Dr András Baranyai. For my undergraduate research work I got National Award in 1989 and 1991 and Pro Scientia Gold Laurate in 1991. My main research interest is the investigation of the

intermolecular structure of non-crystalline condensed matter in bulk phases and at interfaces with computer simulation methods. During my PhD work I was studying molecular liquids, using Monte Carlo methods. In the past few years my research interest has been turned toward the computer simulation of lipid bilayer membranes and other fluid interfaces as well as adsorption phenomena. I am the author or co-author of one hundred thirty five scientific papers.

I was the supervisor of the research work of several students, done in the frame of the National Student Research Program as well as for the M. Sc. or Ph. D. degree. In 2005 my student Lívía Pártay won National Award in the National Scientific Student Conference, Pro Scientia Gold Laurate, the highest award a student can win for research in Hungary, and in 2008 she won the “For Women and Science” award of L’Oreal and UNESCO. In 2009 my student Mária Darvas won the Quality Price of the Hungarian Chemical Society for her M.Sc. thesis. I supervised the PhD studies of Lívía Pártay (2006-2009), György Hantal (2007-2010) Katalin Pojják (2008-2011), and Maria Darvas (2009-2012), who defended their PhD between 2009 and 2012. I published more than fifty five research papers together with my M. Sc. or Ph. D. students.

I am continuously the principal investigator of projects granted by the Hungarian National Scientific Research Fund (OTKA) since 2002. Between 2002 and 2005 I was the scientific coordinator of a project (“*Advanced investigation of free volume properties of saturated and unsaturated phospholipid, and mixed phospholipid/cholesterol membranes*”) involving four research groups from three countries, granted by INTAS. I am the member of the European Molecular Liquid Group since 1993, a founding member of the Society of Pro Scientia Gold Laureates (in Hungary) since 1992 and a member of the Society of the Magyary Zoltán Scholars (in Hungary) since 2001. I was an executive of the Society of Pro Scientia Gold Laureates in 1992-1996, and of the Society of the Magyary Zoltán Scholars in 2007-2008, I am a Board Member of the European Molecular Liquid Group since 2011.

I have the Cambridge Advanced English exam in English language.

Budapest, 26. March. 2013.

Dr. Pál Jedlovsky