

Attila Felinger

University of Pécs
Department of Analytical and Environmental Chemistry
Ifjúság útja 6, H-7624 Pécs, Hungary

Phone: + 36 72 501-500 × 24582
Fax: + 36 72 501-518
Email: felinger@ttk.pte.hu

Personal

Born on June 15, 1961 in Pécs, Hungary
Hungarian Citizen

Academic Background

Habilitation, University of Veszprém, Veszprém, Hungary, 2001
D.Sc. (Doctor of Science in Chemistry), Hungarian Academy of Sciences, Budapest, Hungary, 2000
Ph.D. in Analytical Chemistry, University of Veszprém, Veszprém, Hungary, 1988
MS in Chemical Engineering, University of Veszprém, Veszprém, Hungary, 1985
BS in Chemical Engineering, University of Veszprém, Veszprém, Hungary, 1983

Work experience

University of Pécs, Department of Analytical and Environmental Chemistry

Full Professor (2006–present)

Associate Professor (2005–2006)

Current research interests:

Characterization of the retention mechanism, the thermodynamics and kinetics of the adsorption-desorption process in HPLC.

Isotherm determination to characterize stationary phase surfaces.

Multivariate chemometrics to enhance the resolution of analytical signals.

Studying the mass transfer in chromatography by modeling the chromatographic process at the molecular level. Molecular dynamic modeling of chromatography to characterize separations at the nano scale.

Decoding chromatograms of complex mixtures by chemometric tools. Decoding complex 2-D proteomic separations; spot analysis by autocorrelation methods.

Teaching activities:

Teaching undergraduate and graduate courses in Analytical Chemistry, Chemometrics, Analytical Separations, and Instrumental Methods of Analysis.

University of Veszprém; Department of Analytical Chemistry

Associate Professor (1997–2005)

Assistant Professor (1993–1997)

Research Assistant (1988–1993)

University of Tennessee, Knoxville; Department of Chemistry

Visiting Professor (2002–2003)

Research Associate (1990–1993)

Honors, fellowships

J. F. K. Huber Name Lecture Award (Austrian Society of Analytical Chemistry), 2014
Győző Bruckner Award, (Hungarian Academy of Sciences), 2013
Named as one of the 100 most influential analytical scientists in the world ("The Analytical Scientist Power List 2013")
Prof. Andrzej Waksmundzki Medal Award, (Polish Academy of Sciences), 2012
Academy Prize (Hungarian Academy of Sciences), 2009
István Széchenyi Scholar, 2003
Researcher of the Year, (Hungarian Academy of Sciences), 1998
Széchenyi Professor, 1998
Eötvös Scholar (Hungarian National Eötvös Scholarship), 1995, 1999
Soros Scholar (Soros Foundation), 1990
László Erdey prize of the Hungarian Academy of Sciences, 1989

Activities

President, Hungarian Society for Separation Sciences, 2009-;
Vice President and Treasurer, European Society for Separation Science, 2009-2014;
Titular Member, IUPAC Analytical Chemistry Division Committee;
Symposium Volume Editor, Journal of Chromatography A, special issues devoted to the HPLC symposium series (2005-2008);
Member, Editorial Advisory Board, Chromatographia, 2012-;
Member, Editorial Board, Journal of Chromatography A, 2006-;
Member, Editorial Board, Acta Chromatographica;
Member, Editorial Board, LC-GC Europe;
Associate Editor, Magyar Kémiai Folyóirat (Hungarian Chemistry Journal), 2003-;

Most important recent publications

Author or coauthor of two books, five book chapters and some 120 peer-reviewed papers. Total impact factor of published papers: 365; total number of independent citations: 1900, h-index: 29.

Attila Felinger, Anikó Kilár, Borbála Boros: The myth of data acquisition rate, *Analytica Chimica Acta*, **854**, 178-182, 2015.

Annamária Sepsey, Ivett Bacskay, **Attila Felinger**: Polydispersity in size-exclusion chromatography: a stochastic approach, *Journal of Chromatography A*, **1365**, 156-163, 2014.

Annamária Sepsey, Ivett Bacskay, **Attila Felinger**: Molecular theory of size exclusion chromatography for wide pore size distributions, *Journal of Chromatography A*, **1331**, 52-60, 2014.

Bogusław Buszewski, Szymon Bocian, **Attila Felinger**: Artifacts in liquid phase separations - system, solvent and impurity peaks, *Chemical Reviews*, **112**, 2629-2641, 2012.

Alberto Cavazzini and **Attila Felinger**: *Nonlinear Liquid Chromatography*. In *Handbook of HPLC, 2nd Ed.* D. Corradini, T. M. Phillips, Eds.; pp277-308; 2010, CRC Press.

Péter Vajda, **Attila Felinger**, Alberto Cavazzini: Adsorption equilibria of proline in hydrophilic interaction chromatography, *Journal of Chromatography A*, **1217**, 5965-5970, 2010.

A complete list of publications is available at:

<https://vm.mtmt.hu//search/slist.php?lang=1&AuthorID=10001420>

The undersigned authorises the use of his personal data in compliance with Legislative Decree D.Lgs. 30/06/2003 n. 196. The undersigned agrees to the publication of his CV on the web site of the University of Ferrara



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