

CURRICULUM VITAE

Professor Róbert Rajkó

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EDUCATIONAL AND ACADEMIC DEGREES

- 2008** habilitation (dr. habil.) in pharmacy - Faculty of Pharmacy, University of Szeged, Hungary
- 1999** postgraduate degree of environmental protection chemist - Regional Research and Education Center for the Protection of Environment and Nature of Szeged University, Hungary
- 1996-1998** PhD degree (summa cum laude, 1999) - Technical University of Budapest, Hungary
- 1995-1996** doctoral degree (dr. univ.) (summa cum laude, 1996) - University of Szeged, Hungary
- 1992** postgraduate course in chemometrics (half year) - Catholic University of Nijmegen, the Netherlands
- 1983-1988** diploma in chemistry (M.Sc.) - University of Szeged, Hungary
- 1977-1981** chemical laboratory assistant and final examination - Secondary School of Chemistry in Debrecen, Hungary

WORK EXPERIENCE

- 2019-** Full University Professor - Institute of Mathematics and Informatics, Faculty of Sciences, University of Pécs, Hungary
- 2010-2019** Full University Professor - Institute of Process Engineering, Faculty of Engineering, University of Szeged, Hungary
- 2017-2018** *Dean's Commissioner for Scientific Affairs*, Faculty of Engineering, University of Szeged, Hungary
- 2013-2014** *Deputy Head* of the Institute of Process Engineering, Faculty of Engineering, University of Szeged, Hungary
- 2002-2010** Full Professor of College - Department of Mechanical and Process Engineering, Faculty of Engineering, University of Szeged, Hungary
- 1998-2002** Reader (called Associate Professor in the USA) - Department of Unit Operations and Environmental Engineering, Szeged College of Food Industry, University of Szeged, Hungary
- 1993-1998** Principal Lecturer (called Assistant Professor in the USA) - Department of Unit Operation and Food Processing, Faculty of Food Industry College (Szeged), University of Horticulture and Food Industry (Budapest), Hungary
- 1990-1993** Research Assistant - Reaction Kinetics Research Group of the Hungarian Academy of Sciences, University of Szeged, Hungary
- 1988-1990** Research Assistant - Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary

TEACHING EXPERIENCE

- Higher educational teaching experience mostly taught the following subjects from 1988:
- Undergraduate lectures and practical courses to students of Faculty of Engineering (former Food Industry College) on unit operations of food processing.
 - Postgraduate lectures to technical manager students on principles of chemical safety and quality.
 - Postgraduate lectures on basic chemometrics to PhD students in NUIG, Galway, Ireland.
 - Undergraduate lectures on mathematical statistics (biometrics) and chemometrics, discrete mathematics, math, operational research, and professional communication.
 - Postgraduate lectures on information of engineering.
 - Undergraduate lectures and courses to chemistry students on computing techniques and chemometrics, and applied linear algebra.
- Several curricula, lecture notes and handouts were developed in Hungarian.

MENTORING EXPERIENCE

- Supervising (shared with Prof.Dr. Hamid Abdollahi) Elnaz Tavakkoli's PhD thesis (2018) and Samira Beyramysoltan's PhD thesis (2014); advising Nematollah Omidikia's PhD thesis (2015)
- Supervising more than 40 under- and postgraduate theses; supervising 14 scientific circle (TDK) students with 12 TDK theses (first and second places at Faculty TDK competitions); Csaba Fótos 2nd place at MÉTE OTDK, 2002; Péter Lobár 1st place at MÉTE OTDK, 2010; Péter Erdélyi 2nd place at MÉTE OTDK, 2014; Péter Erdélyi 1st place at XXXII. OTDK, 2015; József Mihalkó 3rd place at XXXIII. OTDK, 2017

SCIENTOMETRIC INFORMATION

Full list of publication on mtmt2 (official Hungarian national bibliometric database):

https://m2.mtmt.hu/api/publication?sort=publishedYear%2CDESC&sort=firstAuthor%2CASC&cond=published%3Btrue&cond=core%3Btrue&cond=authors.mtid%3B10002817&cite_type=3&size=1000&page=1&labelLang=en

- Number of peer-reviewed scientific papers: 113 (52 in journals of SCI (Web of Knowledge) database); Number of single-authored papers: 10
- Books: 2 (in Hungarian); Book chapters: 2 (in English), 3 (in Hungarian)
- Cumulative Impact Factors (IF) of the published papers: 146
- Cumulative Scimago Journal Ranks (SJR) of the published papers: 56
- Number of independent citations: 1102
- Hirsch-index: 24

JOURNAL EDITORSHIP OR MEMBER OF THE ADVISORY BOARD (MAB)

- Journal of Chemometrics (MAB), 2010-
- ISRN Analytical Chemistry (MAB), 2011-
- Analecta Technica Szegedinensia (Editor-in-Chief), 2017-2018

MANUSCRIPT REVIEWS FOR SCIENTIFIC JOURNALS

Journal of Agricultural and Food Chemistry; Journal of AOAC International; Chemometrics and Intelligent Laboratory Systems; Analytica Chimica Acta; Italian Journal of Food Science; Journal of Chemometrics; Vibrational Spectroscopy; Journal of Chromatography A; Journal of the Electrochemical Society; Journal of Physical Chemistry; Acta Chromatographica; Applied Spectroscopy; Journal of Pharmacy and Pharmaceutical Sciences; Journal of Mass Spectrometry; Journal of Separation Science; TrAC Trends in Analytical Chemistry; Journal of Raman Spectroscopy; Central European Journal of Operations Research; Analytical Chemistry; Talanta; International Journal of Pharmaceutics; Ultrasonic Sonochemistry

COMPETITIVE GRANTS

- 2018-2022** Collaborator of the project supported by National Research, Development and Innovation Office (NKFIH) in Hungary under contract number K-129063. *Construction of a spatially heterodyne LIBS spectrometer and its application to the development of sensitive and selective trace analytical methods.*
- 2004-2006** Supervisor of the project supported by Hungarian Science Foundation (OTKA) under contract number T-046484. *Using and developing multilinear (multi-way) calibration procedures to evaluate measurements of food and environmental sciences.*
- 2002-2004** Collaborator of the project supported by Hungarian Science Foundation (OTKA) under contract number T-037480. *Investigation and determination of the thermodynamic parameters of the foodstuffs of agricultural origin during combined, i.e., conductive, convective and microwave heat treatment based on novel measuring and data analysing methods.*
- 2001-2003** Supervisor of the project supported by Hungarian Science Foundation (OTKA) under contract number T-035125. *Investigation of microwave treatment of agricultural materials developing novel procedures using chemometrical methods.*
- 1999-2000** Collaborator of the project supported by Academic Scientific Foundation (AKP) under contract number: 98-51 2,4. *Development of novel variable selecting and model discriminating procedure for evaluating environmental data.*
- 1998-2000** Supervisor of the project supported by Hungarian Science Foundation (OTKA) under contract number F-025287. *Theoretical foundation and development of the Pair-Correlation Method (PCM) and its comparative investigation through some problems in food science.*
- 1997-1999** Collaborator and financial coordinator of the project supported by Higher Education Research and Development Foundation, Ministry of Education under contract number OM FKFP 1032.

COMPETITIVE SCHOLARSHIPS

- 2005-2006** János Bolyai Research Fellowship (Hungary)
- 2002-2005** István Széchenyi Research Fellowship (Hungary)
- 2002** Postdoctoral Research Fellowship in Frederiksberg, Denmark at the Royal Veterinary and Agricultural University (2 weeks)
- 2002** Postdoctoral Research Fellowship in Tarragona, Spain (Catalonia) at Universitat Rovira i Virgili (3 months)
- 1996** Study tour to Deventer, the Netherlands at International Agricultural College, Larenstein (1 week) and to Albstadt-Sigmaringen, Germany at Hochschule für Technik und Wirtschaft (1 week) covered by Phare project.

INVITED TALKS AND VISITING PROFESSORSHIPS

- 2018** Zanjan, Iran, Institute for Advanced Studies in Basic Sciences (IASBS) (2 week) guest professor
- 2017** Fort Scratchley Newcastle, Australia, Topics in Chemometrics, TIC 2017, invited lecturer (1 week)
- 2015** Zanjan, Iran, Institute for Advanced Studies in Basic Sciences (IASBS) (1 week) guest professor
- 2014** Rostock, Germany, Universität Rostock (1 week), guest professor
- 2014** Zanjan, Iran, Institute for Advanced Studies in Basic Sciences (IASBS) (2 weeks) guest professor
- 2011** Zanjan, Iran, Institute for Advanced Studies in Basic Sciences (IASBS) (2 weeks), guest professor
- 2006-2007** Galway, Ireland, National University of Ireland - Galway (NUIG) (15 months), post-doc
- 2005** Mount Holyoke College, MA (USA), GRC Statistics in Chemistry & Chemical Engineering, supported poster presenter (1 week)

2003 Mount Holyoke College, MA (USA), GRC Statistics in Chemistry & Chemical Engineering, invited lecturer (1 week)

MEMBERSHIPS

2017-

2000-2014 Hungarian Academy of Sciences, Szeged Regional Committee, founder co-president of the Working Committee of Chemometrics and Molecular Modeling

2005- Scientific Research Group for Designing, Controlling and Modelling of Processes, University of Szeged, group leader

2003-2007 American Chemical Society Hungary Chapter, foundation member

2000-2007 American Chemical Society, member

1999-2007 Hungarian Chemical Society, scientific secretary of the Working Group of Chemometrics

1995- Hungarian Academy of Sciences, leading member of the Working Committee of Chemometrics and Chemoinformatics

CONFERENCE ORGANIZING ACTIVITIES

2019 Conference Co-chair of Topics in Chemometrics - TIC2019 Szeged(Zanjan) 15-18 May 2019, Szeged, <http://kemometria.ttk.pte.hu/TIC2019/>

2004 Member of the Conference Organizing Committee of SCAC 2004: Symposium on Computer Applications and Chemometrics in Analytical Chemistry 2004, which was held in Balatonfüred, 31 August to 3 September, 2004.

2003 Member of the Conference Organizing Committee of ACE-CC 2003: Advanced Chromatography and Electrophoresis & Conferentia Chemometrica 2003, held in Budapest, Oct. 27-29, 2003.

2000 Member of the Conference Organizing Committee of the Chem-is-try Conference held in Debrecen (Hungary).

1995-2002 Member of the Conference Organizing Committee of Seminars of Chemometrics in Hungary in 1995, 1996, 1998, 1999, 2001, 2002.

1997 Member of the Conference Organizing Committee of CC'97 Conferentia Chemometrica Budapest 1997, which was the 1st international chemometric conference held in Budapest, Aug. 21-23, 1997.

AWARDS

2016 Honorable Title for Excellent Talent Supervising from the Faculty Council of the Faculty of Engineering, University of Szeged

2014 Scriptor Prize from the Dean of the Faculty of Engineering, University of Szeged

2014 Diploma of Merit and Medal from the Szeged Regional Committee of the Hungarian Academy of Sciences

2010 Scriptor Prize from the Dean of the Faculty of Engineering, University of Szeged

2003 Excellent Organizer Prize of the Hungarian Chemical Society, Hungary

2002 Diploma of Merit from the Director-general of the Food Industry College, University of Szeged, Hungary

2000 Excellent Organizer Prize of the Hungarian Chemical Society, Hungary

1999 Diploma of Merit from the Director-general of the Food Industry College, Attila József University, Szeged, Hungary

1998 Diploma of Merit from the Director-general of the Food Industry College, Attila József University, Szeged, Hungary