

Name: Lajos Kovács

Place and date of birth: Hajdúszoboszló, 1961.03.30.

Current employer: University of Szeged, Faculty of Medicine, Department of Medicinal Chemistry

Job position, date of appointment: senior research fellow, 1 January 2000

Highest education: chemistry M. Sc., 1985

Scientific degrees, dates of award: university doctor, 16 December 1989; Ph.D., 4 February 1999

Previous employers: Department of Organic Chemistry, L. Kossuth University, Debrecen, Hungary (1985-1996); Albert Szent-Györgyi University, Faculty of Medicine, Department of Medicinal Chemistry, Szeged, Hungary (1996-1999)

Studies abroad: Institute of Organic Chemistry and Biochemistry, Prague, Czech Republic (1987); Department of Organic Chemistry, University of Zürich,, Switzerland (1990-1991); Institute of Chemistry, Odense University, Odense, Denmark (1993); Heriot-Watt University, Edinburgh, Scotland (2002, 2004); Laboratoire Francis Perrin CEA-CNRS, Gif-sur-Yvette, France (2010)

Awards: Hot article (*Organic and Biomolecular Chemistry*, 2016); Outstanding Academic Title (*100 Chemical myths*, 2015); Hot article (*New Journal of Chemistry*, 2011); Niveau Prize of the Hungarian Chemical Society (2009); L. Kisfaludy L. prize (2001); J. Bolyai Research Fellowship (2000); 16th Scientific Meeting of Hungarian Students, First Prize (1984); 10th International Competition on Analytical Chemistry, Belgrade, Yugoslavia, First Prize (1981)

Most important results have been obtained in the following fields: Non-covalent interactions of nucleobases; 1,3-dipolar cycloaddition reactions of carbohydrates and amino acids; synthesis and mass spectrometric investigation of sensitive compounds; study of peptide nucleic acids; transformation of carbohydrates; popular science

Educational activities: General, inorganic and organic chemistry seminars and laboratory courses (in Hungarian and English). Chemical Biology Ph. D. course (in English), Seili, Finland. Ph. D. course Synthetic methods in organic chemistry. Ph. D. course Supramolecular structures of nucleic acids, Erasmus Teaching Mobility. University of Turku, Finland. Co-author of the book Bioorganic chemistry in Hungarian. Course Chemical misconceptions (in Hungarian and English). Supervising B.Sc. and M. Sc. theses of students

2017.01.25.

Participation in national and international scientific life: co-editor of the journal *International Journal of Molecular Sciences* (2011-); co-editor of the journal *Hungarian Chemical Journal* (2008-2011); co-editor of the journal *Molecules* (1999-); member of International Society of Heterocyclic Chemistry (1997-); member of American Chemical Society (1995-); member of Hungarian Chemical Society (2008-); regular peer reviewer of scientific journals (*Arkivoc*; *Bioconj. Chem.*; *Bioorg. Med. Chem. Lett.*; *Chem. Commun.*; *Coll. Czech. Chem. Commun.*; *Eur. J. Inorg. Chem.*; *Int. J. Mass Spectrom.*; *Int. J. Mol. Sci.*; *J. Mol. Struct.*; *J. Org. Chem.*; *Mini Rev. Med. Chem.*; *Molecules*; *New J. Chem.*; *Nucleos. Nucleot. Nucl. Acids*; *Org. Biomol. Chem.*; *RSC Advances*; *Tetrahedron*) – 110 processed manuscripts since 2008; scientific evaluator of national and international research proposals (Foundation G. Baross, OTKA, Momentum, NKFIH, ERA Chemistry, Le Fonds de la Recherche Scientifique, FNRS, Belgium); member of NKFIH Chemistry 2 panel (2016-)

Current grant(s): Content Pedagogy Research Program of the Hungarian Academy of Sciences (2016-2019)

Scientific activity: synthesis and investigation of nucleobases, nucleosides, carbohydrates, peptide nucleic acids, indole derivatives, alkaloids, polyamines, mercaptals and heterocycles

Number of scientific works: 106

Impact factor (published and accepted papers): 88.647

H-index: 13

Books/chapters: 5

Number of lectures/posters: 90

Popular science works: 26

Number of citations (total): 538

Number of citations (independent): 428

Patents: -