Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **István Marsi**

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Date of birth 12th December 1954

Occupation or position held

Department of Medical Chemistry,
Faculty of Medicine, University of Szeged, Hungary
College Professor in Chemistry

Work experience

Teaching: medical chemistry, chemometrics, chemical process technology, environmental chemistry, environmental risk analysis, mathematics and informatics in physical and analytical chemistry.
Research: computer analysis of spectra and other experimental data, simulation and optimization of chemical reactors, modelling of chemical reactions, with particular attention to the mechanistic investigation of pyrolytic processes of hydrocarbons, polymers (PVC, PCP) and biomass.

Dates

University of Szeged

Department of Medical Chemistry	2017–
Gyula Juhász Faculty of Education	
Department of Chemistry	
Department of Chemical Informatics	2002–2017
College Professor	1999–
Faculty of Science	
Department of Biotechnology	1990-1991
Department of Applied Chemistry	1978–1989

Main activities

Selected research activities:
MSc Thesis: Reactions of Hexene Isomers over NaHY-type Molecular Sieves
Promotion 1 Thesis: Simulation of the Oxidative Dehydrogenation of Methanol over Silver Catalyst
Promotion 2 Thesis: Computer Investigation of Transients Formed in Homogeneous and Heterogeneous Reactions
Synthesis of vanadium-ZSM5 zeolites
Contribution to the development of CHEMISYS, the first Hungarian standardized program library in chemistry.
Modelling of selective oxidation of *n*-butenes over SnO_2-Sb_2O_4 catalysts.
Estimation of thermochemical data and group values based on kinetic and quantum chemical data.
Computer assisted mechanistic investigation of the pyrolysis of PVC and PCP.
Computer analysis of EPR spectra of iron zeolites and iron oxides.
Chemometric analysis of large data sets obtained in quantum chemical calculations: Hydrogen bonds in Pro-Ala-Pro and Pro-Phe-Pro diamides.

Name and address of employer	University of Szeged Department of Medical Chemistry 6720 Szeged Dóm tér 8 Hungary
Visiting Professor:	University of Karlsruhe (Germany): 2000, 2001, 2002, 2005, 2007 Aston University Birmingham (Great Britain) 2009, 2010

Education and training

Dates	1973–1978
Title of qualification awarded	MSc in Chemistry
Name and type of organisation providing education and training	University of Szeged, Faculty of Science, Chemistry