



Europass Curriculum Vitae

Personal information

First name/ Surname	Habil. Dr. Csaba Paizs		
Address	Babeş-Bolyai University of Cluj-Napoca, Faculty of Chemistry and Chemical Engineering, Department of Chemistry and Chemical Engineering in Hungarian Language, Enzymology and Applied Biocatalysis Research Centre, Arany János str. 11, 400028 Cluj-Napoca (Romania)		
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Citizenship	Romanian		
Nationality			
Date of birth			
Gender	Male		

Occupational field

Professor

Work experience

Dates	01 October 1996 - 01 March 2007
Occupation or position held	Teaching assistant, Lecturer
Main activities and responsibilities	Education and research
Name and address of employer	Babeş-Bolyai University, Mihail Kogălniceanu 1, Cluj-Napoca (Romania)
Dates	01 March 2007 - 26 September 2015
Occupation or position held	Associate Professor
Main activities and responsibilities	Education and research
Name and address of employer	Babeş-Bolyai University, Mihail Kogălniceanu 1, Cluj-Napoca (Romania)
Dates	2013 →
Main activities and responsibilities	PhD supervisor in chemical science
Name and address of employer	Babeş-Bolyai University, Mihail Kogălniceanu 1, Cluj-Napoca (Romania)
Dates	27 September 2015 →
Occupation or position held	Professor
Main activities and responsibilities	Education and research
Name and address of employer	Babeş-Bolyai University, Mihail Kogălniceanu 1, Cluj-Napoca (Romania)

Education and training

Dates	15 March 2012→
Title of qualification awarded	Habilitated Doctor in chemical science
Dates	01 October 1996 - 15 June 2001
Title of qualification awarded	PhD Chemistry

Name and type of organisation providing education and training
Babeş-Bolyai University

Dates
01 October 1994 - 15 June 1995

Title of qualification awarded
Master degree in Catalysis and Biocatalysis

Name and type of organisation providing education and training
Babeş-Bolyai University

Dates
15 September 1989 - 14 June 1994

Title of qualification awarded
Chemical Engineer

Name and type of organisation providing education and training
Babeş-Bolyai University

Personal skills and competences

Mother tongue(s)
Romanian, Hungarian

Other language(s)
English

Self-assessment

European level

English

Understanding		Speaking				Writing	
Listening	Reading	Spoken interaction		Spoken production		Writing	
C2 Proficient user	C2 Proficient user	C2 Proficient user	C1 Proficient user	C1 Proficient user	C2 Proficient user	C2 Proficient user	

Research interests

Synthetic Chemistry: Stereoselective biotransformations (lipases, esterases, oxidoreductases, ammonia-lyases and mutases, transaminases, decarboxylases, etc.)

Biochemistry: Enzyme mechanistic studies; Study of the stereoselectivity of enzymatic reactions at molecular level; Rational design of the enzymes by molecular biology tools;

Biotechnology: Development of biocatalysts (enzyme immobilizations, modifications, novel lipases, hydrolases, MIO-enzymes, oxido-reductases, transaminases, decarboxylases, etc.) - Development of enzymatic networks, Enzyme immobilization, Development of integrated (multi)enzymatic micro- and minireactor systems with down-stream units for stereoselective biotransformations

Analytical chemistry: chromatographic separation of stereoisomers and proteins

Teaching

Biochemistry, Enzymology, Biocatalysis, Biotechnology, Asymmetric Synthesis; (lectures, lab practice) Diploma supervisor since 1999 (~ 5 students / year), PhD supervisor since 2014 (4 active PhD students, 3 former PhD students, all awarded with the title of PhD in Chemistry, qualifications: 1 very good, 2 excellent)

Organizational skills and competences

Project manager of national grants for young researchers (2), Ideas (2) and Joint Applied Research Projects (1); Project responsible of national Joint Applied Research Projects (2)

Academic administration

Director of the Department of Chemistry and Chemical Engineering in Hungarian Language
Head of the Enzymology and Applied Biocatalysis Research Centre
President of the Commission for Scientific Research of the Senate of Babeş-Bolyai University

Scientific organization memberships

Romanian Chemical Society, Romanian Catalysis Society, Regular member of the European Society of Applied Biocatalysis

Committee membership

Vice-President of the Regional Committee of the Hungarian Academy of Sciences, President of the Commission for Chemical Sciences
National Committee for the Accreditation of Academic Titles, Degrees and Diplomas, Chemistry and Chemical Engineering section (2011-2012), COST CM1303 action (Systems Biocatalysis, SysBiocat): Romanian Member of Committee

Referee for scientific journals	<i>Reaction Chemistry and Engineering, Appl. Biochem. Biotechnol., Adv. Synth. Catal., Biocat. Biotechnol., J. Mol. Catal. B, Enzym, Catal. Plos-ONE, Proc. Biochem., Tetrahedron: Asymmetry, Catalysis Lett., Catal. Today, Nature Catalysis, etc.</i>
Activity in scientific evaluations	Project evaluations: for national level projects for Romania - CNCIS, Hungary - OTKA and Netherland - NWO. PhD evaluations as member of evaluation committees (in Romania and Hungary)
Technical skills and competences	Development of the Biocatalysis and Asymmetric enzymatic synthesis lab. Development of the Enzymology, Genetics and Proteomic lab. Development of Chromatography lab for Chiral separation, Development of Flow Chemistry lab.
Fellowships	<i>CIMO Postdoc fellowship</i> (University of Turku, Finland, in the group of Prof. Liisa T. Kanerva): enzymatic DKR of heteroaryl-cyanohydrins (2002) <i>EU granted Postdoc Fellowship</i> (Department of Biochemistry, University of Karlsruhe, Germany; in the group of Prof. János Rétey): MIO enzymes, transhydroxylases, phosphatases (2003-2005)
Scientific achievements	4 Monographs (co-author) – 4 book chapters (on MIO-enzymes, biofuels and enzymatic polymerization) - 99 Scientific articles (IF ~300) - citations ~ 1480 (Scopus, h-index: 21), ~1330 (Web of Science h-index: 20), ~1900 (Google Scholar, h-index: 22)- 1 Patent - ~ 65 Conference lectures / posters
Awards	The Oláh György prize of the Hungarian Academy of Science (2007)