



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 **Hungarian**

Date of birth **01 April 1969**

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			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C1	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 - CNCSIS, 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)