



Europass Curriculum Vitae

Personal information

First name/ Surname **Habil. Dr. Csaba Paizs**
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E-mail csaba.paizs@ubbcluj.ro
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																															
<i>European level</i>																															
English																															
	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C1</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C2	Proficient user	C2	Proficient user	C2	Proficient user	C1	Proficient user	C2	Proficient user
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	<p><i>Synthetic Chemistry:</i> Stereoselective biotransformations (lipases, esterases, oxidoreductases, ammonia-lyases and mutases, transaminases, decarboxilases, etc.)</p> <p><i>Biochemistry:</i> Enzyme mechanistic studies; Study of the stereoselectivity of enzymatic reactions at molecular level; Rational design of the enzymes by molecular biology tools;</p> <p><i>Biotechnology:</i> 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</p> <p><i>Analytical chemistry:</i> chromatographic separation of stereoisomers and proteins</p>																														
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, several former PhD students, all awarded with the title of PhD in Chemistry)																														
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																														
Scientific organization memberships	External Member of the Hungarian Academy of Science, 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) – more than 110 Scientific articles
Awards	The Oláh György prize of the Hungarian Academy of Science (2007) The Arany János prize of the Hungarian Academy of Science (2022)