



## Europass Curriculum Vitae

### Personal information

**Habil. Dr. Csaba Paizs**

First name/ Surname

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																														
<b>Personal skills and competences</b>																															
Mother tongue(s)	<b>Romanian, Hungarian</b>																														
Other language(s)	<b>English</b>																														
Self-assessment																															
<i>European level</i>																															
<b>English</b>																															
	<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
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<b>Research interests</b>	<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>																														
<b>Teaching</b>	Biochemistry, Enzymology, Biocatalysis, Biotechnology, Asymmetric Synthesis; (lectures, lab practice) Diploma supervisor since 1999 (~ 5 students / year), PhD supervisor since 2014 (4 active PhD students, 5 former PhD students, all awarded with the title of PhD in Chemistry, qualifications: 1 very good, 4 excellent)																														
<b>Organizational skills and competences</b>	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)																														
<b>Academic administration</b>	Director of the Department of Chemistry and Chemical Engineering in Hungarian Language Head of the Enzymology and Applied Biocatalysis Research Centre																														
<b>Scientific organization memberships</b>	External Member of the Hungarian Academy of Sciences, Romanian Catalysis Society, Regular member of the European Society of Applied Biocatalysis																														
<b>Committee membership</b>	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																														

<b>Referee for scientific journals</b>	<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>
<b>Activity in scientific evaluations</b>	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)
<b>Technical skills and competences</b>	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.
<b>Fellowships</b>	<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)
<b>Scientific achievements</b>	4 Monographs (co-author) – 5 book chapters (on MIO-enzymes, biofuels and enzymatic polymerization) – 120 Scientific articles (IF ~500) – citations ~ 2100 (Scopus, h-index: 28), ~1900 (Web of Science h-index: 26), ~3300 (Google Scholar, h-index: 32)– 1 Patent – ~ 65 Conference lectures / posters
<b>Awards</b>	The Oláh György prize of the Hungarian Academy of Science (2007) The Arany János prize of the Hungarian Academy of Science (2022)

**Link of my public profiles:**

Google Scholar: <https://scholar.google.com/citations?user=dfzb1IMAAAAJ&hl=en&oi=ao>

ResearchGate: [https://www.researchgate.net/profile/Csaba\\_Paizs](https://www.researchgate.net/profile/Csaba_Paizs)

ORCID: <https://orcid.org/0000-0002-7403-7098>

ResearcherID (Publons): <https://publons.com/researcher/1418630/csaba-paizs/>

Scopus ID: 6603023757