



## László Palcsu

Date of birth: 01/01/1975 | **Nationality:** Hungarian | **Gender:** Male | (+36) 705024397 |

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### WORK EXPERIENCE

01/09/2016 – CURRENT – Debrecen, Hungary

**HEAD OF ISOTOPE CLIMATOLOGY AND ENVIRONMENTAL RESEARCH CENTRE – INSTITUTE FOR NUCLEAR RESEARCH**

- Isotope geochemistry of karst systems
- isotope hydrology of karst aquifers, groundwater age determination
- Palaeoclimate reconstruction based on noble gas solubility temperatures in confined groundwater aquifers
- Speleothem research

01/03/2007 – 31/08/2016 – Debrecen, Hungary

**ASSOCIATE AND SENIOR RESEARCHER – INSTITUTE FOR NUCLEAR RESEARCH**

- Improving the noble gas laboratory, installation of a new cryogenic trap system, developing and establishing an appropriate method to measure all of the five noble gases from groundwater samples with better precision
- Determination of noble gas temperatures of groundwater samples from the Great Hungarian Plain
- T-<sup>3</sup>He age determination of young, shallow groundwater aquifers

01/03/2005 – 28/02/2007 – Heidelberg, Germany

**MARIE CURIE POSTDOC FELLOW – INSTITUTE OF ENVIRONMENTAL PHYSICS, UNIVERSITY OF HEIDELBERG**

- Examination of excess air formation in groundwater in laboratory and environmental conditions
- Investigation of degassing effects in groundwater, laboratory experiments on water samples depleted in noble gases
- Advancing the use of noble gases in fluid inclusions of speleothems as a new palaeoclimate proxy

01/09/2001 – 28/02/2005 – Debrecen, Hungary

**EARLY-STAGE AND ASSOCIATE RESEARCHER – INSTITUTE FOR NUCLEAR RESEARCH**

- Examination of isotopic composition of precipitation in meteorological point of view
- Studying of dissolved gases in the coolant of the cooling ponds and service pools of the nuclear power plant of Hungary
- Determination of activity concentration of iodine isotopes in the primary water of Paks Nuclear Power Plant by the noble gas mass spectrometric measurements of the daughter xenon isotopes

### EDUCATION AND TRAINING

01/09/1998 – 31/08/2001 – Debrecen, Hungary

**PHD IN PHYSICS – University of Debrecen**

● **LANGUAGE SKILLS**

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Mother tongue(s): **HUNGARIAN**

Other language(s):

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	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	C1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

● **DIGITAL SKILLS**

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Microsoft Word | Microsoft Powerpoint | Microsoft Excel

● **MANAGEMENT AND LEADERSHIP SKILLS**

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**Section head**

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I have been a section head in different positions since 2011.

● **COMMUNICATION AND INTERPERSONAL SKILLS**

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**Project leader**

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I have been a project leader in a national project (GINOP-2.3.2-15-2016-00009), and I'm a participant in coordinated research projects and technical cooperation of IAEA.

● **HOBBIES AND INTERESTS**

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**Hobbies**

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Jogging and training.