

PERSONAL INFORMATION

Romulus-Horatiu Pușcaș

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WORK EXPERIENCE

01/04/2019–Present

Sen. Res. Scientist III

National Institute for Research and Development of Isotopic and Molecular Technologies INCDTIM Cluj-Napoca (România)

- The determination of the deuterium and oxygen 18 concentrations at natural values in water, geofluids and hydrogenated compounds from biological materials (plants, animals), the preparation and purification of samples in order for isotopic analysis.
- Isotopic research in the natural cycle of water from the atmosphere-soil-plants-atmosphere system (the translocation of deuterium in plants, isotopic effects in plants, response times of plants at ambient changes, the effectiveness of water use by plants).

01/09/2011–01.04.2019

Sen. Res. Scientist

National Institute for Research and Development of Isotopic and Molecular Technologies INCDTIM Cluj-Napoca (România)

- The determination of the deuterium and oxygen 18 concentrations at natural values in water, geofluids and hydrogenated compounds from biological materials (plants, animals), the preparation and purification of samples in order for isotopic analysis.
- Isotopic research in the natural cycle of water from the atmosphere-soil-plants-atmosphere system (the translocation of deuterium in plants, isotopic effects in plants, response times of plants at ambient changes, the effectiveness of water use by plants).

07/2009–07/2011

Asistent cercetare

National Institute for Research and Development of Isotopic and Molecular Technologies INCDTIM Cluj-Napoca (România)

- The determination of the deuterium and oxygen 18 concentrations at natural values in water, geofluids and hydrogenated compounds from biological materials (plants, animals), the preparation and purification of samples in order for isotopic analysis.
- Isotopic research in the natural cycle of water from the atmosphere-soil-plants-atmosphere system (the translocation of deuterium in plants, isotopic effects in plants, response times of plants at ambient changes, the effectiveness of water use by plants).

10/1994–07/2009

Technician

National Institute for Research and Development of Isotopic and Molecular Technologies INCDTIM Cluj-Napoca (România)

- The determination of the deuterium concentrations at natural values in water, geofluids and hydrogenated compounds from biological materials (plants, animals), the preparation and purification of samples in order for isotopic analysis.

09/1990–10/1994

Toolmaker

National Institute for Research and Development of Isotopic and Molecular Technologies INCDTIM Cluj-Napoca (România)

Production of prototypes (gas chromatography) and subassemblies for Cernavoda Nuclear Power

EDUCATION AND TRAINING

- 10/2009–09/2014 **PhD in physics**
„Babeş-Bolyai” University Cluj-Napoca Faculty Of Physics (România)
- 09/2004–07/2009 **Engineer degree in physics technology**
„Babeş-Bolyai” University Cluj-Napoca Faculty Of Physics (România)
- 09/1986–07/1990 **Baccalaureate diploma**
Industrial High School Nr. 8, Cluj Napoca (România)

PERSONAL SKILLS

Mother tongue(s) română

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Participate in the conversation	Open speech	
English	A2	A2	A2	A2	A2

Levels: A1 și A2: Basic User - B1 și B2: Independent user - C1 and C2: Experienced user

Organisation/managerial skills Self-control and good reaction to work under pressure

Job-related skills

The institution

Copenhagen University College of Engineering, Danemarca

Period:

Septembrie 18-21, 2007

Degrees or diplomas

Groundwater Flow and Transport Modeling with GMS

The institution

Universitatea Tehnica Cluj-Napoca, Romania, and

Michigan State University, Institute of International Health and Fogarty International Center Program on Environmental Health

Period:

September 18-11, 2008

Degrees or diplomas

Principles of environmental science and engineering

Digital skills

SELF				
Information processing	Communication	Content creation	Security	Problem solving
Experienced user	Experienced user	Independent user	Independent user	Experienced user



Curriculum vitae

Driver's license BE, CE