

PERSONAL INFORMATION

ÁRPÁD IMRE-LUCACI



 50 Arany János Street, Cluj-Napoca, 400028, Romania

 +40-264.593.833 (ext. 5689)  -

 arpad.imre@ubbcluj.ro



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 Skype ID arpad.imre

Sex M | Date of birth 05/11/1960 | Nationality Romanian

POSITION

Associate Professor

WORK EXPERIENCE

2004 - present

Associate Professor

"Babeş-Bolyai" University Cluj-Napoca, 1 M. Kogălniceanu Street

Courses:

- Computer usage in chemistry and chemical engineering;
- High-level computer programming languages;
- Specific software in chemical engineering;
- Process simulators;
- Optimisation of chemical processes;
- Process design using specific software;
- Information technology in the assessment of water, air and soil pollution;
- Information technology in risk assessment.

[Business or sector](#) Education and Research

1994 - 2004

Lecturer

"Babeş-Bolyai" University Cluj-Napoca, 1 M. Kogălniceanu Street

Courses:

- Computer usage in chemistry and chemical engineering;
- Optimisation of chemical processes;

Research projects for chemical and process industry

[Business or sector](#) Education and Research

1991 - 1994

Assistant Professor

"Babeş-Bolyai" University Cluj-Napoca, 1 M. Kogălniceanu Street

Seminars and laboratory works:

- Computer usage in chemistry and chemical engineering;
- Optimisation of chemical processes;
- Chemical Process Control

Research projects for chemical and process industry

[Business or sector](#) Education and Research

1988 - 1991

Chemical Engineer

Institute of Chemical and Biochemical Engineering (IECB) Bucharest, Laboratory Cluj-Napoca

Contractual research in the field of electrochemical processes industry

[Business or sector](#) Chemical industry

1985 - 1987

Trainee chemical engineer

Chemical Works Târnăveni, Mureş County

Production engineer at Inorganic Salts Section

[Business or sector](#) Chemical industry

EDUCATION AND TRAINING

- 1994 - 1999 **PhD in Chemistry**

"Babeş-Bolyai" University Cluj-Napoca

Title of the PhD thesis:
Mathematical modelling, simulation and control of brine electrolysis using mercury cells and ion exchange membrane reactors

EQF 8
- 1980 - 1985 **Chemical Engineer**

"Babeş-Bolyai" University Cluj-Napoca

Faculty of Chemical Technology

Mathematical modelling of the chemical processes

EQF 6
- 1974 - 1979 **High school graduate - Baccalaureate**

Liceul Industrial nr. 1 Tg-Mureş, Mureş County

General instruction

EQF 4

PERSONAL SKILLS

Mother tongue Hungarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	A2	A2	A1	A1	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through the experience as university professor

Organisational / managerial skills

- leadership - (research projects director and member in research teams; bachelor's thesis supervisor and dissertation coordinator)

Job-related skills

- Mathematical modelling and simulation of processes
- Environmental assessment of processes
- Development of IoT projects (with sensors and modules using Raspberry Pi development platform)

Computer skills

- good knowledge of mathematical modelling tools: MATLAB, CHEMCAD, Aspen Plus, COMSOL Multiphysics
- LaTeX, Microsoft Office™, Python, Linux

Other skills

- Artistic drawing

Driving licence

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ADDITIONAL INFORMATION

Publications

>50 scientific papers (including 40 ISI papers), 6 books, 1 laboratory textbook

Honours and awards

"Tudor Tănăsescu" Prize granted by the Romanian Academy, 2008

October 2023

