

PERSONAL INFORMATION **Mihaela FRIGURA-ILIASA**

✉ mihaela.frigura@upt.ro

Sex Female | Date of birth 02/07/1975 | Nationality Romanian, married, one child

PERSONAL STATEMENT Lecturer, (MD, PhD) at  
POLITEHNICA University of Timisoara, Romania  
Faculty of Electrical and Power Engineering  
Power Systems Department

## WORK EXPERIENCE

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- 01/09/1997–31/08/2002 **Chemistry and Technology Professor**  
Pedagogical National College and the 24th Middle School, Timisoara (Romania) and other regional high schools
- Teaching and Didactic assignments
  - Technological projects
  - Practical stages
- 01/11/2002–31/08/2009 **PhD Student with didactic activity**  
POLITEHNICA University of Timisoara, Faculty of Chemical and Environmental Engineering, Timisoara (Romania)
- Research and Development
  - Scientific activities
  - Teaching and Didactic assignments  
(interrupted by maternity period)
- 01/08/2008–01/04/2011 **R&D Technical Expert (project based)**  
TEHIMPULS - Regional Innovation and Technology Center, Timisoara (Romania)
- Research and Development
  - Scientific Activities
  - Marketing for R&D
  - Organizing Scientific/R&D Events
  - Promoting Conferences
  - B2B Scientific Matches
- 01/04/2011–01/10/2016 **Senior R&D Technical Expert (project-based)**  
TEHIMPULS - Regional Innovation and Technology Center, Timisoara (Romania)
- Research and Development
  - Scientific Activities
  - Organizing Scientific/R&D Events

- 01/11/2009–24/10/2014 **PhD student**  
POLITEHNICA University of Timisoara, Faculty of Electrical and Power Engineering, Timisoara (Romania)
- Research and Development
  - Scientific activities
- 01/10/2016–22/09/2017 **Assistant Professor (associated position)**  
POLITEHNICA University of Timisoara, Faculty of Electrical and Power Engineering, Power Systems Department, Timisoara (Romania)
- Research and Development
  - Teaching and Didactic assignments
  - Scientific activities
- 22/09/2017–Present **Assistant Professor**  
POLITEHNICA University of Timisoara,  
Faculty of Electrical and Power Engineering,  
Power Systems Department  
2, V.Parvan Bvd., 300223 Timisoara (Romania)  
[www.et.upt.ro](http://www.et.upt.ro)
- Research and Development
  - Scientific activities
  - Teaching and Didactic assignments  
main domains of interest are:
    - Materials for Electric/Electronic and Power Engineering;
    - Environmental Impact of Power Equipment;
    - Design of semiconductor devices;
    - Electromagnetic field assessment;
    - Overvoltage protection devices;
    - Industrial pollution;
    - Advanced materials for different industrial purposes.

**Business or sector** Education

## EDUCATION AND TRAINING

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- 15/09/1989–15/07/1993 **Baccalaureate / Graduation Diploma**  
Chemical High School, Timisoara (Romania)
- General High School subjects (Mathematics, Physics, Chemistry, Biology, Romanian, English, French, Social Sciences);
  - Occupational subjects related to the chemical industry domain.
- 01/10/1993–01/07/1997 **Bachelor Degree in Chemistry**  
West University of Timisoara, Faculty of Chemistry, Biology and Geography, Timisoara (Romania)
- Chemistry related subjects, Natural Sciences, Mathematics, Educational Psychology, Didactic, Educational Practice, English.
- 01/10/1998–01/07/1999 **In-depth Studies (Master) Degree in Chemical Engineering**  
POLITEHNICA University of Timisoara, Faculty of Chemical and Environmental Engineering, Timisoara (Romania)
- Studies related to the control and assessment of processed naturally products.

01/11/2009–24/10/2014

**PhD Degree in Power Engineering**

POLITEHNICA University of Timisoara, Faculty of Electrical and Power Engineering, Timisoara (Romania)

- PhD degree in Power Engineering - advanced materials and technologies for the electronic / electrical and power industry.

**PERSONAL SKILLS**

Mother tongue(s)

Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B1
French	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

- good communication skills in the field of technical and scientific activities;
- experience in presentation and dissemination of R&D results.
- expertise in technological transfer and innovation support.
- performance in academic and didactical communication areas.

Organisational/managerial skills

- organizational skills for didactic activities;
- expertise in the assessment of R&D entities;
- management of resources for scientific purposes;
- experience in R&D and Scientific Marketing.
- trainer for entrepreneurial skills for students (certified under the AVEA project in 2019).

Job-related skills

- author and co-author of 59 scientific papers (indexed in different databases);
- co-author of two technical books, author of a scientific book;
- responsible for two research projects, member of 6 research teams;
- expertise in the area of ceramic materials, semiconductors, technology, and environmental issues.
- coordination of didactic projects

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Independent user	Basic user	Proficient user

Digital skills - Self-assessment grid

ELINF Certificate for Standard Computer Skills, since 1999

Driving licence

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Timisoara, January 2026

Mihaela FRIGURA-ILIASA