

PERSONAL INFORMATION

Eftimie Mihai-Alexandru



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Sex Male | Date of birth 09/11/1977 | Nationality Romanian

WORK EXPERIENCE

October 2023 - present

**associate professor**

National University for Science and Technology POLITEHNICA Bucharest, Faculty of Chemical Engineering and Biotechnologies, Dept. of Science and Engineering of Oxide Materials and Nanomaterials

313 Splaiul Independentei, District 6, Bucharest, 060042, Romania

Tel. +40 214029461, Fax. +40 214115365, [www.upb.ro](http://www.upb.ro)

- teaching courses on Properties and Functions of Use of the Vitreous Materials, Science of the Vitreous Materials, Engineering of the Vitreous Materials, Materials Characterisation, Glassceramics, Waste Recovery in Oxide Materials
- teaching laboratories on Science of the Vitreous Materials, Matrix and Reinforcement Materials for Performance Composites, Oxide and Metallic Materials, Materials Science II, Properties and Functions of Use of the Vitreous Materials, Composite Materials and Nanomaterials, Materials Characterisation, Waste Recovery in Oxide Materials, Engineering of the Vitreous Materials;
- assisting and coordinating students for master and bachelor diploma;
- tutor of student groups in the SIMONa department;
- participation as director or member in national research projects on Chemical Engineering;
- participation in organizational activities (timetables, payroll, reaccreditation of the curricula in the SIMONa department).

**Business or sector** Education-research

October 2012 – September 2023

**assistant professor**

University POLITEHNICA of Bucharest, Faculty of Applied Chemistry and Materials Science, Dept. of Science and Engineering of Oxide Materials and Nanomaterials

313 Splaiul Independentei, District 6, Bucharest, 060042, Romania

Tel. +40 214029461, Fax. +40 214115365, [www.upb.ro](http://www.upb.ro)

- teaching courses on Properties and the Function of Use of the Vitreous Materials, Science of the Vitreous Materials, Glass Technology, Materials Characterisation, Glassceramics, Matrix and Reinforcement Materials for Performance Composites, Waste Recovery in Oxide Materials, Optical Fibres, Processing Methods of Glasses;
- teaching laboratories on Science of the Vitreous Materials, Glass Technology, Properties and the Function of Use of the Vitreous Materials, Matrix and Reinforcement Materials for Performance Composites, Composite Materials, Oxide and Metallic Materials, Materials Science II, Chemistry and Materials Science for Energy Engineering, Engineering of the Vitreous Materials Optical Fibres, Processing Methods of Glasses;
- participation as director or member in national research projects on Chemical Engineering;
- assisting and coordinating students for master and bachelor diploma;
- assisting and coordinating groups of students in apprenticeships;
- tutor of student groups in the SIMONa department;
- participation in organizational activities (timetables, payroll, reaccreditation of the curricula in the SIMONa department);
- responsible with the toxic substances and toxic and dangerous wastes in the SIMONa department.

October 2003 – September 2012

**Business or sector** Education-research  
**assistant**

University POLITEHNICA of Bucharest, Faculty of Applied Chemistry and Materials Science, Dept. of Science and Engineering of Oxide Materials and Nanomaterials

313 Splaiul Independentei, District 6, Bucharest, 060042, Romania

Tel. +40 214029461, Fax. +40 214115365, [www.upb.ro](http://www.upb.ro)

- teaching laboratories on Vitreous Materials, Glass Chemistry and Technology, Glass Technology, Oxide and Metallic Materials;
- assisting and coordinating groups of students in apprenticeships;
- coordinating and organizing of the 8th Section – Science and Engineering of Oxide Materials from the XIVth Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Bucharest, 22-24 September 2005;
- participation in organizational activities (timetables and payroll in the SIMONa department, Balkan Olympiad in Chemistry - 2005);
- tutor of student groups in the SIMONa department;
- responsible with the toxic substances and toxic and dangerous wastes in the SIMONa department.

July 2001 – September 2003

**Business or sector** Education  
**Engineer/ Scientific researcher**

National Glass Institute, 47 Theodor Pallady Blvd., Bucharest, Romania

- participant in the research projects of the National Glass Institute;
- coordinating the refractory materials department;
- representing the National Glass Institute on CER-GLASS 2003 exhibition organised in the frame of TIBCO Bucharest

**Business or sector** Research, glass products

## EDUCATION AND TRAINING

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2001-2011

### Ph. D. Diploma

„Chemical Engineering” field of the University „POLITEHNICA” of Bucharest, Faculty of Applied Chemistry and Materials Science, Science and Engineering of the Oxide Materials and Nanomaterials department

- Nano-heterogeneity of the oxide vitreous materials
- Theoretical mechanical strength of the silicate glasses
- Glass basicity
- Correlations between composition, structure, and properties on multi-component vitreous oxide systems

2001-2002

### Master of Science

„Crystalline and vitreous oxide materials with electric and magnetic properties” master of the University „POLITEHNICA” of Bucharest, Faculty of Industrial Chemistry, Science and Engineering of the Oxide Materials department

- Non-crystalline materials with electric and magnetic properties
- Ceramic materials with magnetic properties
- Computer aided design of the materials with electric and magnetic properties

1996-2001

### Engineering Diploma on Chemistry

University „POLITEHNICA” of Bucharest, Faculty of Industrial Chemistry, Science and Engineering of the Oxide Materials department

- Organic chemistry
- Analytical chemistry
- Physical chemistry
- Ovens and dryers
- Glass’ chemistry and technology
- Ceramics’ chemistry and technology
- Binders’ chemistry and technology

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
Replace with name of language certificate. Enter level if known.					
French	B2	B1	A1	A2	A2
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication and presentation skills acquired through the teaching experience.
- patience in transmitting and explaining information.

Organisational / managerial skills

- ability to make quick decisions and organizational capacity.
- management of Glass Technology Laboratory

Digital skills

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

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificates

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an amateur photographer

Driving licence B

ADDITIONAL INFORMATION

Memberships

- president of the Technical Committee 113 – *Roofing, thermal, sound, and waterproofing materials* of National Standards Body of Romania
- president of the Technical Committee 119 – *Glass and Ceramics* of National Standards Body of Romania
- president of the Technical Committee 347 – *Masonry and masonry structures* of National Standards Body of Romania
- member of the Technical Committee 393 – *Chimneys* of National Standards Body of Romania
- member of the Romanian Glass Association, affiliated on European Society of Glass (ESG) and International Commission on Glass (ICG)
- member of the Romanian Ceramics Society (CEROM), affiliated on European Ceramic Society (ECERS).

ANNEXES

Signature:

Date:  
14.10.2023