



## Europass Curriculum Vitae



### Personal information

Surname(s) / First name(s) **ZAHARESCU MARIA MAGDALENA**

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Nationality Romanian

Date of birth January 20, 1938

Gender female

### Desired employment Occupational field

#### Work experience

Dates	1990-present
Occupation or position held	Senior researcher 2 and 1 degree, Head of Department (till 01.01.2017), PhD supervisor
Main activities and responsibilities	Coordination of the research activity of the "Oxide compounds and Materials Science" Department of the Institute of Physical Chemistry and being supervisor of PhD students in the mentioned field
Name and address of employer	Ilie Murgulescu Institute of Physical Chemistry of the Romanian Academy, 202, Splaiul Independenței, 060021 Bucharest, Romania
Type of business or sector	Research, management and higher education activity
Dates	1971 – 1990
Occupation or position held	Senior researcher level 3, Head of Department
Main activities and responsibilities	Coordination of the research activity of the "Oxide compounds and Materials Science" Department of the Institute of Physical Chemistry
Name and address of employer	Centre of Physical Chemistry of the Romanian Academy, 25, Dumbrava Roșie Str., 020462 Bucharest, Romania and 202; from 1977 Centre of Physical Chemistry, Splaiul Independenței, 202 060021 Bucharest, Romania
Type of business or sector	Research activity
Dates	1969-1971
Main activities and responsibilities	Researcher
Main activities and responsibilities	Coordination of the research activity of the "Oxide compounds and Materials Science" Department of the Institute of Physical Chemistry
Name and address of employer	Centre of Physical Chemistry of the Romanian Academy, 25, Dumbrava Roșie Str., 700000 Bucharest, Romania

Type of business or sector	Research activity
Dates	1964-1969
Main activities and responsibilities	Researcher
Main activities and responsibilities	Zeolite synthesis and characterization; phase equilibria studies in oxide systems
Name and address of employer	Centre of Inorganic Chemistry of the Romanian Academy, 1, Polizu Str. 700000 Bucharest, Romania
Type of business or sector	Research activity
Dates	1959-1964
Main activities and responsibilities	Chemist
Main activities and responsibilities	Industrial research and development activity in the field of oxides abrasives production
Name and address of employer	Carbochim Factory, 3400 Cluj Napoca, Romania
Type of business or sector	Research activity
<b>Education and training</b>	
Dates	1974 (February – November)
Title of qualification awarded	Postdoctoral fellowship
Principal subjects/occupational skills covered	Studies of phase equilibria of inorganic systems using an original method with stepwise increasing of temperature developed during the scholarship; investigation of phase formation by high temperature XRD
Name and type of organisation providing education and training	University of Denmark at Lyngby, Denmark
Level in national or international classification	
Dates	1966 - 1971
Title of qualification awarded	Ph.D in Inorganic Chemistry
Principal subjects/occupational skills covered	Establishing the phase equilibria in the SiO <sub>2</sub> -TiO <sub>2</sub> -V <sub>2</sub> O <sub>5</sub> ternary system
Name and type of organisation providing education and training	Institute of Chemistry, Cluj-Napoca, Romania
Level in national or international classification	ISCED 6
Dates	1954 - 1959
Title of qualification awarded	Bachelor of Science in Inorganic and Analytical Chemistry
Principal subjects/occupational skills covered	Thermal stability of the polymeric ion exchangers
Name and type of organisation providing education and training	Faculty of Chemistry at the Babeş Bolyai University Cluj-Napoca, Romania
Level in national or international classification	ISCED 5
<b>Personal skills and competences</b>	
Mother tongue(s)	<b>Romanian</b>
Other language(s)	

Self-assessment <i>European level (*)</i>	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
<b>English</b>	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user
<b>French</b>	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
<b>German</b>	B2	Independent user	B2	Independent user	B2	Independent user	A2	Elementar user	B2	Independent user

(\*) *Common European Framework of Reference for Languages*

**Social skills and competences**

- Member of the Ethical Commission of the Romanian Academy (2010-present)

**Organisational skills and competences**

- Director of the Department of Basic Science at the Graduate School of the Romanian Academy with chemistry, physics, mathematics and informatics profile (2011-onwards)
- Member of the Chemistry Commission at CNADTCU (2005-2016)
- Coordinator of the Chemical Science Section of the Romanian Academy (2006-2009)
- Head of Laboratory since 1971-2017
- Executive Director of the Grants Commission at the Romanian Academy (2001-2005)
- Expertise in EU Projects Management (FP5, FP6, COST Actions) and at national level
- Organizing the "Sol-Gel Science and Technology Symposium" since 1995, as part of the International Conference of Physical Chemistry
- Member in the Organizing Committee of several national and international conferences (ICFPAM, CEEC-TAC, Balkan Conferences on Glass Science and Technology, Colloques Francophone sur les Matériaux, les Procédés et l'Environnement)

## Technical skills and competences

### Scientific activity

- 417 scientific published papers of which 276 in referred journals and 141 in proceedings of conferences.
- 1 book, published by SPRINGER
- 8 book chapters, published by WILEY, SPRINGER, NOVA and INTECH
- 3 book chapters, published by Editura Academiei, Romania
- co-editor of 3 books published by Editura Academiei, Romania
- 3 patents
- 3 applied technologies
- 60 national projects before 1990, at 50 being director
- 22 national project after 1990
- 12 international projects

### Teaching activity

- PhD supervisor (1990 – present) with 25 graduated students
- Professor at the international post-graduate School al Jozef Stefan Institute, Ljubljana, Slovenia, 2010-2011)
- Member in PhD defence Commission in France (2), South Africa (1), Slovenia (2)
- President and member in a high number of PhD and abilitation commissions in Romania

### Invited research visits:

- Jozef Stefan Institute, Ljubljana, Slovenia, 2013, 2011, 2010
- Indian Institute of Chemical Technology Hyderabad, India, 2009
- University of York, UK, 2007
- Rutgers University, USA, 2007
- Universite Claude Bernard Lyon, France, 2004
- Institute of Radio Engineering and Electronics, Academy of Science of Prague Czech Republic, each year from 2003 to 2016
- University of California at Davis, USA, 1999

### Plenary and invited lectures at international conferences (selected)

- 14-th International Conference on Froniers of Polymers and Advanced Materials (ICFPAM 2016), Daejeon, Korea, 2016-
- 3-rd Central and Eastern European Conference on Thermal Analysis and Calorimetry, Ljubljana, Slovenia, 2015
- 11-th International Conference on Frontiers of Polymers and Advanced Materials, Marrakech, Morocco, 2014, Auckland, New Zealand, 2012, Pretoria, South Africa, 2010, Santiago, Chile, 2009 Krakow, Poland-2007, Bucharest, Romania- 2003)
- Materials Science and Technology Conference, Columbus, Ohio, USA, 2011
- E-MRS, Warshow, Poland, 2011
- Gordon Research Conferences, Waterville, USA, 2010

### Other technical activities:

- evaluator of international grants (SUA-Israel, Czech Republic-Germany-Germania, Bulgaria, so on
- member in Editorial Board of Journal of Sol-Gel Science and Technology (Springer -**Holland**), Revue Roumaine de Chimie, Revista de Chimie, Optoelectronics and Advanced Materials-RC, Revista Română de Materiale, Analele Universității din București
- reviewer at more than 30 scientific journals as: Journal of the American Ceramic Society, Journal of Colloidal and Interfacial Science, Journal of the European Ceramic Society, Journal of Materials Science and Engineering, Journal of Physical Chemistry, Journal of Sol-Gel Science and Technology, Journal of Thermal Analysis and Calorimetry, Materials Chemistry, so on

## Computer skills and competences

Medium (Windows 7, 8, 10 and Vista)

## Artistic skills and competences

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**Other skills and competences**

- Member of the Romanian Academy (2015)
- "Eugen Segal" Medal of Excellency awarded by the American Chemical Society, Romanian Chapter
- "Gheorghe Spacu" Honorary Diploma and Medal awarded by the Romanina Chemical Society (2007)
- Corresponding Member of the Romanian Academy (2001)
- "Scinetific Merit" Order, 3-rd degree (1983)
- "Scinetific Merit" Medal (1982)
- "Gheorghe Spacu" Award of the Romanian Academy (1971)
- 3-rd egree Award granted by the Ministry of Eduction (1967)

**Driving license**

B category

**Additional information****Annexes****Bucharest,****August, 17-th, 2017****Acad. ZAHARESCU MARIA MAGDALENA**