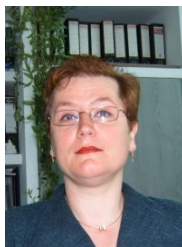




## Europass Curriculum Vitae



### Personal information

**Surname(s) / First name(s)** ZAHARIA Carmen

**Address(es)** Office: 73 Prof.Dr.docent D.Mangeron, 700050, IASI, ROMANIA

**Telephone(s)** Office: +40 (0) 232 278 683 / 2175  
Home: +40 (0) 232 279 603

**Fax(es)** Office: + 40 (0) 232 271 311

**E-mail** czah@ch.tuiasi.ro or czaharia2003@yahoo.com

**Nationality** Romanian

**Date of birth** May 12, 1967

**Gender** Female

### Occupational field **Environmental Science and Engineering, Chemical Engineering**

### Professional work experience (23 years)

**Dates** Present (March 2014) – 1990

**Occupation or position held** *Associate Professor* (2008-2014) → *Lecturer* (2000-2007) → *Assistant professor* (1993-2000) → *Preparer* (1990-1993)

**Main activities and responsibilities** Trainer/ education, research activities, tutor, and organizer of practice training for students

**Name and address of employer** TUIASI - 'Gheorghe Asachi' Technical University of Iasi, Romania  
Faculty of Chemical Engineering and Environmental Protection  
Department of Environmental Engineering and Management

**Type of business or sector** Education - Research - Innovation

**Level in national or international classification** ISCED 5 / ISCED 6

**Dates** March 1 – May 31 (three months), 2004

**Occupation or position held** *Researcher*

**Main activities and responsibilities** Research activities (*international YSL research contract*: „L'extraction et le dosage des substances a etiqueter des produits cosmetiques et des produits de maquillage”), preparation of individual research activity report

**Name and address of employer** Universite du Littoral Cote d'Opale, MREID Dunkerque, in collaboration with Centre Comun en Mesure-MREID, Dunkerque, and YSL Beaute & Research, Rouen, France

**Type of business or sector** Scientific Research - Innovation

**Level in national or international classification** International university level in Scientific Research

**Dates** January 2 - February 1 (one month), 2003

**Occupation or position held** *Maitre de conference invité*

**Principal subjects/occupational skills covered** Trainer in „*Methodes d'analyse en solution des polluants atmospheriques*”

**Name and type of organisation providing education and training** Université du Littoral Cote d'Opale, Laboratoire de Synthese Organique, Dunkerque, France; official invitation and position in the French Cooperation Protocol; coordinator: Prof. Gheorghe Surpățeanu

**Type of business or sector** International level education - scientific research

**Level in national or international classification** International university education level

Dates	May 1-June 1 (one month), 2002
Occupation or position held	<i>Researcher</i>
Main activities and responsibilities	Research activities ( <i>WTZ international Project 99/008</i> in association with <i>Romanian Contract</i> no. C 17172/1999, "Concepts and Methodologies to Minimise Environmental Impact from Industrial Wastewaters - Textile Industry. A Case Study"); research report, and final publication preparation
Name and address of employer	German Ministry of Education and Research – Institute of Ecological Chemistry, Neuherberg, Munchen
Type of business or sector	Scientific Research
Level in national or international classification	International scientific research
Dates	1995-2008
Occupation or position held	<i>Director/responsible (10) or member in 31 contracts with industry/economic companies</i>
Main activities and responsibilities	Research activities, preparation of research or annual financial project report
Name and address of employer	'Gheorghe Asachi' Technical University of Iasi, and different economic companies
Type of business or sector	Research - Innovation
Level in national or international classification	International/national scientific research
Dates	1999-2000
Main activities and responsibilities	Research activities, preparation of periodic reports, materials for final project report, workshop in "Recycling and reuse of PET wastes and packaging wastes"
Name and address of employer	USAID - U.S. Institute of Development; 'Gheorghe Asachi' Technical University of Iasi, Romania
Type of business or sector	Research – Innovation – Innovation (Industry/Economic or Commercial Activities)
Level in national or international classification	International scientific research
Dates	1991-1995
Occupation or position held	<i>Team member</i> in research projects with Romanian Ministry of Education and Research: Contract no. 2574/ 1991: "Researches concerning the increasing of wastewater treatment degrees, simultaneously with increasing of water passing rate through settlement tank" Contract no. 2571/ 1991: "Unconventional technologies. Electrochemical methods of synthesis and degradation of some chemical compounds" Contract no. 4519/ 1991: „Depollution of wastewaters from evaporation installation of black sulphate lyes by H <sub>2</sub> S stripping" Contract no. 2474/1993: „ <i>Researches concerning the increasing of wastewaters treatment degree by flocculation using anionic polyelectrolytes</i> " (scientific responsible) Contract no. 3002/1994, theme A2: „ <i>Applications of polyelectrolytes in waters and wastewaters treatment</i> " (scientific responsible)
Main activities and responsibilities	Research activities, preparation of annual and final project reports, materials for scientific publications
Name and address of employer	Romanian Minister of Education and Research; 'Gheorghe Asachi' Technical University of Iasi
Type of business or sector	Education – Research - Innovation
Level in national or international classification	International scientific research
<b>Education and training</b>	
Dates	October 10-11, 2013
Title of qualification awarded	Former / Trainer in 'Cosmetics Education'; "Ecatarina Merica" Education Program in Cosmetics, IFSCC Delegate: Prof.dr. Randall Wickett; Graduated participation diploma/certificate
Principal subjects/occupational skills covered	legislation in cosmetics; cosmetics production; Sustainable consumption and production of cosmetics
Name and type of organisation providing education and training	International Federation of Societies of Cosmetic Chemists (IFSCC); Romanian Society of Cosmetic Chemists (RSCC)
Dates	June 1-2, 2009
Title of qualification awarded	Former / Trainer in 'Cosmetics Education'; "Ecatarina Merica" Education Program in Cosmetics, IFSCC Delegates: Prof.dr. Johann Wiechers, Prof.dr. Luigi Rigano; Graduated participation diploma/certificate

Principal subjects/occupational skills covered	legislation in cosmetics; cosmetics production; Sustainable consumption and production of cosmetics,
Name and type of organisation providing education and training	International Federation of Societies of Cosmetic Chemists (IFSCC); Romanian Society of Cosmetic Chemists (RSCC)
Level in national or international classification	International level - workshop „Ecaterina Merica” Education Program in Cosmetics, Iași
Dates	May – June, 2008
Title of qualification awarded	Trainer in “ <i>Methods and Techniques of Environmental Impact Quantification</i> ”; graduated participation diploma/certificate
Principal subjects/ occupational skills covered	Environmental impact assessment, impact quantification methods, estimation of real pollution state of environment (air, water, soil)
Name and type of organization providing education and training	TUiasi – Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management
Level in national or international classification	National / International level
Dates	May – June, 2008
Title of qualification awarded	Trainer in “ <i>Environmental Audit</i> ”; graduated participation diploma/certificate
Principal subjects/occupational skills covered	Environmental audit; Environmental control methods
Name and type of organization providing education and training	TUiasi – Faculty of Chemical Engineering and Environmental Protection, and Department of Environmental Engineering and Management
Level in national or international classification	National level
Dates	October 28-29, 2005
Title of qualification awarded	Former / Trainer in “ <i>Environmental Management and Policies for Sustainable Production and Consumption</i> ”; graduated participation diploma/certificate
Principal subjects/occupational skills covered	Environmental management; Environmental policies; Sustainable production; Sustainable consumption
Name and type of organization providing education and training	OAIMDD – Academic Organisation for Environmental Engineering and Sustainable Development, Iasi; International Institute for Industrial Environment Economics, Lund, Sweden
Level in national or international classification	International level
Dates	April 19, 2005
Title of qualification awarded	Former/ Trainer in “ <i>Image Analysis Applications in Biological Wastewater Treatment Process</i> ”; graduated participation diploma/certificate
Principal subjects/occupational skills covered	Biological processes in wastewater treatment – international workshop
Name and type of organization providing education and training	Department of Environmental Engineering and Management – TUI and Department of Biological Engineering - University of Minho (Socrates/Erasmus program); participation diploma/certificate
Level in national or international classification	International level
Dates	November 13, 2000
Title of qualification awarded	Former in ‘ <i>Recycling and reuse of PET wastes and packaging wastes</i> ’ – international courses/ workshop
Principal subjects/occupational skills covered	Management of plastic wastes and plastic packaging wastes (PET)
Name and type of organization providing education and training	USAID - U.S. Agency for International Development; Ecolinks project workshop CG1-RO-20; TUiasi - Technical University of Iasi, Faculty of Chemical Engineering
Level in national or international classification	International level
Dates	July 21-30, 2000
Title of qualification awarded	Former/Trainer in “ <i>Energy conversion, conservation and environmental impact</i> ” - Summer International School; graduated participation diploma/certificate

Principal subjects/occupational skills covered	Energy and environment; energy transformation; environmental impact
Name and type of organization providing education and training	Black Sea University Network - Centre for Advanced Engineering Sciences, „Ovidius” University, Constanța, Romania
Level in national or international classification	Intensive international courses
Dates	April 28-29, 1998
Title of qualification awarded	Former/Trainer in “Bioethics” and “Environmental Engineering” - International Workshop; graduated participation diploma/certificate
Principal subjects/occupational skills covered	Environmental engineering and bioethics - International courses (seminars)
Name and type of organization providing education and training	TU Iasi - Technical University of Iasi, Faculty of Chemical Engineering
Level in national or international classification	International level (participation of specialists from Italy and Chișinău)
Dates	June 13-27, 1996
Title of qualification awarded	Former/Trainer in “Political Economy of the Environment Training of Trainers Workshop” International courses (workshop) Bucuresti; graduated participation diploma/certificate
Principal subjects/occupational skills covered	Environment protection, policy and economy; Environmental impact and risk assessment; Cost analysis; Sustainable development; Environment and energy etc.
Name and type of organization providing education and training	Economic Development Institute of World Bank, SUA; Netherlands Government representatives, and ‘Politehnica’ University of Bucuresti
Level in national or international classification	International level
Dates	April 1993
Title of qualification awarded	Former/Trainer in ‘Environment and products quality control’ - Technical Seminar (workshop);
Principal subjects/occupational skills covered	Different aspects concerning environment (air, water, soil) quality; products quality; control of quality; practice on advanced analytical equipments (UV-VIS spectrophotometers, pH-meters; AAE spectrometry; gel chromatography; FTIR spectroscopy, other advanced analyzers (water, air and soil quality indicators)
Name and type of organisation providing education and training	TU Iasi – ‘Gheorghe Asachi’ Technical University of Iasi, Faculty of Chemical Engineering, with participation of ANALYTIC JENA GmbH – Germany; HACH and Perkin Elmer Company, USA
Level in national or international classification	International level
Dates	1992 (February) - 2000 (December)
Occupation or position held	PhD student, specialization: Chemical Engineering, without scholarship
Principal subjects/occupational skills covered	Scientific Research in Ph.D. training program, topic: ‘Optimization of some wastewaters treatment using polyelectrolytes’; Doctor Diploma (March 2001); coordinator: Prof.dr.eng. Matei MACOVEANU
Name and type of organisation providing education and training	TU Iasi - ‘Gheorghe Asachi’ Technical University of Iasi, Romania
Level in national or international classification	ISCED 6
Dates	1985 (September) - 2000 (July)
Occupation or position held	Student, specialization: Technology of Macromolecular Compounds; Engineer Diploma - scientific project: “Retardation of teophylline onto polymeric support (carboxymethylcellulose modified with epichlorohydrine). Polymerization installation of styrene”, coordinator: prof.dr.eng. Severian DUMITRIU
Principal subjects/occupational skills covered	Education and Scientific Research in Chemistry (Macromolecular, Organic, Inorganic, Analytical), Chemical Engineering, Chemical Processes and Physical-Mechanical Operations in Chemical Industry, Process Optimization, Industrial Management, General Design, Statistics etc.
Name and type of organisation providing education and training	TU Iasi - ‘Gheorghe Asachi’ Technical University of Iasi, Romania
Level in national or international classification	ISCED 5

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (\*)

Language English

Language French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Independent user	C2	Independent user	C1	Independent user	C1	Independent user	C2	Independent user
C1	Independent user	C2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(\*) Common European Framework of Reference for Languages

Social skills and competences

- Good advisor, mediator, and team worker; communication abilities with different kind of people

Organizational skills and competences

- Tutor for students (18-35 students), each year from 2007;  
- Good experience in team/project management (scientific and economic aspects)  
- Co-organizer of different scientific events (academic, education, information and research level)  
- Manager of research projects with industrial companies or for internal university research or with students (scientific communication session organized for students)  
- Department Responsible (Environmental Engineering and Management - EEM) with health and safe in work (HSW), civil protection (CP) and urgent situations (US)

Technical skills and competences

- *Training of Academic Media/Students or different interested people from industry/economic agencies:* courses, laboratories and seminars; supervisor for bachelor diploma project (from 1999-present; more than 50 projects); supervisor for dissertation diploma project (from 2003-present; more than 40 projects); preparation of more than 10 project proposals with education institutes; more than 42 contracts/projects finished with very good experimental results with industry or different economic agents  
- *Competences* in wastewater treatment; water treatment; environmental chemistry; qualitative and quantitative analysis of environment (water resources, soil, air); evaluation of environment pollution level; environmental impact assessment; waste management; process modeling, simulation and optimization in environmental protection; energy and environment; environmental legislation, impact studies, etc.

Computer skills and competences

Competences in working with Microsoft packages (Word, Excell, PowerPoint), Win Surf, e-mail

Other skills and competences

Environmental expertise; Consulting and Expertise in Environmental Engineering and Science; Reviewer for international and national journals and books; Member in Editorial Board of journals

Driving licence

Automobile driver (B)

Additional information -  
Scientific activity:

PUBLICATIONS:

- 17 scientific national books (10 first/single author + 2 editor)
- 1 web-manual aplicații și probleme: <http://www12.tuiasi.ro/facultati/hidro/index.php?page=806>
- 9 book chapters (3 first/single author), from which: 3 chapters published in international prestigious publishing houses from abroad (Nova Publishers Inc., New York; InTech Open, Reijeka-Croatia) and 6 chapters in English by 'Al.I.Cuza' University Ed., Iași, Romania
- 26 ISI scientific papers (13 first/single author),
- 45 articles included in foreign IDB (international data bases) (28 first/single author),
- 31 articles in university bulletins, annals or other journals (B and C journals) (19 first/single author),
- 58 articles in proceedings of international conference (36 first/single author), from which: 18 ISI proceedings (12 first/single author), 12 international abroad proceedings (12 first/single author), 28 international proceedings in Romania (15 first/single author)
- 5 articles in national conference/symposium proceedings in environmental, chemical engineering and others applied sciences (4 first/single author),
- 3 conferences, over 62 oral communications, over 30 research reports etc.

Date: 26.03.2014

Dr. Carmen Zaharia, Associate Professor, Ph.D. Eng.