



Curriculum vitae Europass



Personal information

First name(s) / Surname(s)

Address

Telephone(s)

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Nationality

Gabriela-Alina DUMITREL

University Politehnica Timișoara, Faculty of Industrial Chemistry and Environmental Engineering, Bdv. Parvan nr. 6, 300223 Timisoara, Romania;

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Romanian

Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

02.2016 – present / 02.2009 – 01.2016 / 10.2004 – 01.2009

Associate professor/ Lecturer / Assistant

Teaching activities in Chemical Process Control; Process Control and Optimization in Food Industry; Optimization of Chemical Processes; Design of Industrial Processes; Computer Aided Design; Algorithms and Software for Process Simulation; Computers Programming and Use.

Coordination of: diploma projects, dissertations, internships, ERASMUS mobilities. Research activities in the framework of contracts won by competition: modeling and simulation of chemical processes using engineering software (Matlab, Hysis, Aspen Plus, IpsePro).

University Politehnica Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, 6 Vasile Parvan boulevard, Timisoara, 300223, Romania

Education, R&D

01. 2006-12. 2006

Researcher

Research activities on the use of biofuels in solid oxide fuel cell (SOFC)

Université Claude Bernard Lyon 1, Laboratoire d'Application de la Chimie à l'Environnement, 43 Boulevard du 11 Nov. 1918, 69622 Villeurbanne Cedex, France

R&D

11. 2000-09. 2004

PhD student

Teaching activities in Chemical Process Control, Optimization of Chemical Processes

Research activities for the elaboration of the PhD thesis

University Politehnica Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, 6 Vasile Parvan boulevard, Timisoara, 300223, Romania

Education, R&D

Education and training	
Dates	11. 2000 – 12. 2004
Title of qualification awarded	PhD in “Chemical Engineering” and “Sciences et Techniques du Dechet”
Principal subjects / occupational skills	According to the joint-agreement signed between University Politehnica Timisoara and INSA Lyon France Title of the thesis: „Dépollution des sols par venting et extraction sous pression réduite : étude expérimentale, modélisation et simulation numérique” Coordinators: Professor Delia PERJU (UP Timișoara) Associate Professor Jean CARRE (INSA de Lyon) Professor Jacques BOURGOIS (Ecole des Mines St Etienne)
Name and type of organisation providing education and training	University Politehnica Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, 6 Vasile Parvan boulevard, Timisoara, Romania; Institut National des Sciences Appliquées Lyon France, Laboratoire d’Application de la Chimie a l’Environnement ISCED 6
Dates	10.2001 – 06.2002
Title of qualification awarded	Master in ”Process Intensification, Design and Optimal Control”
Principal subjects / occupational skills	Disciplines provided in the curriculum
Name and type of organisation providing education and training	University Politehnica Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, 6 Vasile Parvan boulevard, Timisoara ISCED 5
Dates	10.1995 – 06. 2000
Title of qualification awarded	Engineer in "Engineering of natural products processing"
Principal subjects / occupational skills	Disciplines provided in the curriculum
Name and type of organisation providing education and training	University Politehnica Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, 6 Vasile Parvan boulevard, Timisoara ISCED 5
Administrative -managerial activities	
Period	2012-present
Position held	Vicedean of Faculty of Industrial Chemistry and Environmental Engineering, University Politehnica Timisoara
Period	2009-present
Position held	Member of the Chemical Engineering Board from Industrial Chemistry and Environmental Engineering Faculty
Period	2008-present; 1996-2004
Position held	Member of the Teaching Council of Industrial Chemistry and Environmental Engineering Faculty
Period	2013-present
Position held	Coordinator and member of the educational promotion team of Industrial Chemistry and Environmental Engineering Faculty
Period	2012-present; 2008-2010; 2002-2006
Position held	Member of the faculty admission committee
Period	2018-2019
Position held	Secretary of the UPT Central Admission Commission

Specializations and qualifications

13.06.2011 – 08.07.2011 - research stage on the topic: "Start-up and operation of a TG-MS technique; Realization of experimental determinations and processing of results" at "Institute de Recherche sur la Catalyse et l'Environnement de Lyon" (IRCELYON), 43 Boulevard du 11 Nov. 1918, 69622 Villeurbanne Cedex, France

01.04.2003 – 30.06.2003; 01.10.2003 – 30.12.2003; 15.02.2004 – 15.08.2004 – Research stage during the PhD thesis at „Laboratoire d'Application de la Chimie à l'Environnement – LACE, Université Lyon 1”.

01.10.2001 – 30.11.2001 – Documentation at „Laboratoire d'Analyse Environnementale des Procédés et Systèmes Industriels de l'INSA de Lyon”, subject: "Depollution of soils polluted with organic products of petroleum origin by low pressure extraction".

Member of professional associations

Member of Romanian Chemical Engineering Society
Member of Romania Chemistry Society
Member of the Balkan Environmental Association - BENA

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

Self-assessment

European level (*)

French

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Writing	
C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
C1	Proficient user	C1	Proficient user	B1	Independent user	B1	Independent user	B2	Independent user

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Team spirit; Good communication skills; Cooperation; Team building; Good adaptive skills in any multicultural society

Organizational skills and competences

Leadership skills, organizational spirit, good experience in project management and team work, skills acquired through:
- Participation in the teams of national and international projects;
- Organization of national and international scientific events in Romania;
- Organization and development of didactic laboratories in the field of chemical engineering.

Technical competences and scientific activity

- Modeling, simulation and control of industrial processes; modeling and simulation of control and remediation processes of environmental components; modeling, simulation and optimization of renewable energy conversion processes; chemical engineering applications using various programming languages.
- Participation in 12 research contracts obtained through competition at national or international level / contracts with third parties.
- Scientific papers published in ISI journals or in ISI proceedings volumes: 45.
- Scientific papers published in other journals or proceedings: 53.
- Published books: 5.

Computer skills and competences

Very good knowledge of: MATLAB, UniSim Design, ASPEN, HYSIS;
Basic knowledge of: PExcel - IPSEpro module; Statistics, Origin;
Good knowledge of Microsoft Office™ tools (Word™, Excel™, PowerPoint™).

Timișoara,
18.03.2020