



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) Laura Hagiu - Zaleschi
Address(es) 34 Pacurari Street, 700532, Iași (Romania)
Telephone(s) Mobile: 0040740854885
E-mail laura.zaleschi@yahoo.com, laura.zaleschi@tuiasi.ro
Nationality Romanian
Date of birth 14.02.1985
Gender Female

Occupational field **Chemical Engineering**

Dates 01.11.2015 - present

Occupation or position held Scientific Researcher

Main activities and responsibilities Research activities, experimental activities concerning preparation, functionalizing and characterization of some composite materials. Conference participation, Elaboration of scientific papers.

Name and address of employer Gheorghe Asachi Technical University of Iasi
Faculty of Chemical Engineering and Environmental Protection
Department of Chemical Engineering
73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iași (Romania)

Type of business or sector Development and optimization of a foto-Fenton-peroxon inovative sistem for micropolutants degradation from water.
Research project: PNII-RU-TE-2014-4-0405

Occupational field **Chemical and Environmental Engineering and Management**

Dates 01.10.20010 - 16.10.2013

Occupation or position held PhD Student within CUANTUMDOC Project "p-HD studies for European performances in research and innovation" (POSDRU/107/1.5/S/79407) financed by the European Social Found and Romanian Government

Main activities and responsibilities Optimization of electrocoagulation process performances with application in wastewater treatment:

- Electrocoagulation process evaluation and optimization within dye removal from synthetic liquid solution
- Electrooxidation process evaluation and optimization of dye removal
- Assessment of operational parameters and dye removal process mechanism by electrocoagulation
- Voltametric studies of dyes behavior on carbon electrodes
- Chronoamperometric studies of dyes behavior on BDD electrodes
- Modeling and optimization treatment processes

Name and address of employer Gheorghe Asachi Technical University of Iasi
Doctoral School of Faculty of Chemical Engineering and Environmental Protection
Department of Environmental Engineering and Management
73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iași (Romania)

Type of business or sector Research and Development

Dates 01.11.20012 - 01.05.2013

Occupation or position held PhD Student within CUANTUMDOC Project "p-HD studies for European performances in research and innovation" (POSDRU/107/1.5/S/79407) financed by the European Social Found and Romanian Government

Main activities and responsibilities Research stage at Industrial Chemistry and Environmental Engineering Faculty at "Polytechnic" University of Timisoara
Research performed for the PhD thesis elaboration under the supervision of Prof. Florica Manea

Name and address of employer "Polytechnic" University of Timisoara
Industrial Chemistry and Environmental Engineering Faculty
Timisoara, Romania

Type of business or sector Research and Development

Dates 15.02.2010 - 15.06.2010

Occupation or position held Master Student in Science in Environmental Management

Main activities and responsibilities Dissertation project: Recovery of wastewater discharged from sewage treatment plants in municipal surface waters.
Research stage at Faculty of Chemical Technology of Ciudad Real, University of Castilla - La Mancha
Research performed for the dissertation thesis elaboration under the supervision of Prof. Manuel Andres Rodrigo

Name and address of employer " Faculty of Chemical Technology of Ciudad Real
University of Castilla - La Mancha
Ciudad Real

Type of business or sector Research and Development

Education and training

Dates 1.10.2008-27.10.2011

Title of qualification awarded PhD in Chemical Engineering

Principal subjects/occupational skills covered PhD Thesis Title: Optimization of electrocoagulation process performances with aplication in wastewater treatment
PhD supervisor: prof.dr.eng. Carmen Teodosiu

Name and type of organisation providing education and training Gheorghe Asachi Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania

Level in national or international classification ISCED 6

Dates 01.10.2009 – 01.08.2010

Title of qualification awarded Master of Science in Environmental Management

Principal subjects/occupational skills covered Ecology and Environmental protection
Environmental Audit
Environmental Impact Assessment Methods and Techniques
Life Cycle Assessment
Environmental Integrated Management
Cost-Profit Analysis in Environmental Protection
Environmental Risk Assessment and Management
Environmental Policy Making

Name and type of organisation providing education and training Gheorghe Asachi Technical University of Iasi
Faculty of Chemical Engineering and Environmental Protection
Department of Environmental Engineering and Management
73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania)

Level in national or international classification	ISCED 5
Dates	01.10.2004 – 30.07.2009
Title of qualification awarded	Diplomate Engineer in Environmental Engineering
Principal subjects/occupational skills covered	Environmental Biodiversity Analytical Chemistry and Instrumental Analysis Environmental Microbiology Fundamentals of Soil Sciences Chemical and Biochemical Thermodynamic and Kinetics Transfer Phenomena and Unit Operation Waste Treatment, Valorisation and Management Bioremediation Technologies and Biotechnologies for Environmental Protection Integrated Pollution Prevention and Control Technologies for Soil Decontamination
Name and type of organisation providing education and training	Gheorghe Asachi Technical University of Iasi Department of Environmental Engineering and Management Faculty of Chemical Engineering and Environmental Protection 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iași (Romania)
Level in national or international classification	ISCED 5
Dates	01.10.2006 – 30.07.2009
Title of qualification awarded	Social Worker
Principal subjects/occupational skills covered	Psychology Sociology Probation Social Assistance Community Development Human Development Statistics Social Policy Psychological Concepts Psychology of Creativity Organizational Psychology Economic Theories of Social Employment Policy
Name and type of organisation providing education and training	Petre Andrei University of Iasi Faculty of Psychology and Social Assistance 49 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iași (Romania)
Level in national or international classification	ISCED 5
Dates	15.09.2000 – 30.06.2004
Title of qualification awarded	High School Diploma Ecology and Environmental Protection
Principal subjects/occupational skills covered	Environmental Protection Technician
Name and type of organisation providing education and training	" Elie Radu" Technical College, Botosani, Romania
Level in national or international classification	ISCED 4

Personal skills and competences

Mother language Romanian

Foreign language English
Spanish

Self evaluation

European language(*)

	Understanding				Speaking				Writing	
	Listening		Reading		Conversation		Oral discussion		Writing proficiency	
English language	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient
Spanish language	C1	Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C2	Proficient

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences	Fast learning capacity of new things and to adapt with ease in new situations Team spirit Personal Trust Capacity of Organisation Honesty and Responsibility Good working relations with people of different national and cultural backgrounds
Organisational skills and competences	Very organized person
Scientific knowledge and skills	Ability to perform experiments Ability to perform in-depth and critical data analysis Creative Ability to work efficiently and with minimum supervision Ability to meet objectives within strictly set deadlines Outcome focused
Technical skills and competences	Very good skills in laboratory techniques: electrochemistry, analytical chemistry Excellent Skills in UV-VIS Spectrometry
Computer skills and competences	Excellent skills in Microsoft Office, namely Word, Excel, PowerPoint, internet
Other skills and competences	Creativity and design
Driving licence	Category B

Scientifically activity

ISI articles:

1. Zaleschi L., Teodosiu C., Cretescu I., Rodrigo M.A., (2012), A comparative study of electrocoagulation and chemical coagulation processes applied for wastewater treatment, *Environmental Engineering and Management Journal* , 11, 8, 1517-1525.
2. Zaleschi L., Saez C., Canizares P., Cretescu I., Rodrigo M.A., (2013), Electrochemical coagulation of treated wastewaters for reuse, *Desalination and Water Treatment*, 51, 3381–3388, doi:10.1080/19443994.2012.749192.
3. Secula M.S., Zaleschi L., Stan C.S., Mamaliga I.,(2013), Effects of electric current type and electrode configuration on the removal of Indigo Carmine from aqueous solutions by electrocoagulation in a batch reactor, *Desalination and Water Treatment*, doi:10.1080/19443994.2013.811116.
4. Zaleschi L., Secula M.S., Teodosiu C., Stan C.S., Cretescu I.,(2014), Removal of Rhodamine 6G from Aqueous Effluents by Electrocoagulation in a Batch Reactor: Assessment of Operational Parameters and Process Mechanism, *Water, Air and Soil Pollution*, 225:2101, DOI 10.1007/s11270-014-2101-z.

National articles:

1. Zaleschi L., (2013), Textile dyes separation from synthetic aqueous solutions by electrocoagulation process, *Trends and Requirements for Interdisciplinary Research*, Ed. Politehniun Iasi, ISBN 978-973-621-408-0, page 153.

Papers presented at international and national conferences

1. Zaleschi L. Rodrigo MA, Teodosiu C., Crețescu I., (2010) A Comparison of the treatment processes by electrocoagulation and chemical coagulation, Days, Faculty of Chemical Engineering and Environment - Seventh Edition, "90 the birthday of academician Christopher Simionescu ", Iasi, Romania (poster).
2. Zaleschi L. Rodrigo MA, Teodosiu C., Crețescu I., (2010) Electrocoagulation: an alternative in wastewater treatment Symposium on Quality Control and Metrology of Environmental Factors, organized by the Technical University "Gh. Asachi "Iasi, Romania (poster).
3. Zaleschi L. Teodosiu C., Crețescu I. Rodrigo MA, (2010) A comparative study of electrocoagulation and chemical coagulation wastewater treatment for Applied Processes, The 6th International Conference on Environmental Engineering and Management ICEEM 06 "Green Future" , Balatonalmadi, Hungary (poster).
4. Zaleschi L. Teodosiu C., Crețescu I., (2011), "The discoloration of aqueous solutions containing textile dyes by electrocoagulation" Days of Faculty of Chemical Engineering and Environmental Protection - The eighth edition of "Materials and Innovative Processes "organized by the Faculty of Chemical Engineering and Environmental Protection, Iasi, Romania (poster).

Patent

1. Reactor for Electrochemical Purification of Industrial Waste Waters, December 2014, Crețescu I., Teodosiu C. , L. Zaleschi, I. Antonescu.

Projects: Member within PN-II-IN-CI-2012-1-0094 Project, "Cooling industrial liquids machine tools treatment" (No. 49 CI) responsible Technical University "Gheorghe Asachi" Dr. I. Crețescu .