

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** **Raluca-Maria HLIHOR**  
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[https://www.researchgate.net/profile/Raluca\\_Hlihor](https://www.researchgate.net/profile/Raluca_Hlihor)  
**Nationality** Romanian  
**Date of birth** 27.07.1984  
**Gender** Female

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

#### Work experience

<b>Dates</b>	<b>1.11.2011-present</b> (Volunteer)
Occupation or position held	<b>Editorial Assistant</b>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- handling manuscripts from submission to revision and publication</li> <li>- assessing the quality of manuscripts for compliance with Journal standards</li> <li>- identifying and inviting potential peer reviewers</li> <li>- taking decisions regarding manuscripts with the Editor-in-Chief</li> <li>- overseeing the publication process including proofreading, editing, formatting/typesetting</li> </ul>
Name and address of employer	<i>Environmental Engineering and Management Journal (IF = 1.065)</i> Gheorghe Asachi Technical University of Iasi Department of Environmental Engineering and Management 73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania)
<b>Dates</b>	<b>1.12.2011-present</b>
Occupation or position held	<b>Post-doc Researcher within PN-II-ID-PCE-2011-3-0559 IDEI Project, contract 265/2011 full time position</b>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- biosorption and/or bioaccumulation potential of non-living biomass (bacteria, fungi, agricultural wastes) and living biomass (bacteria, fungi) to remove pollutants (heavy metals, dyes) from contaminated environments</li> <li>- to improve the removal efficiencies for bioremediation</li> <li>- to provide a rapid cost-effective routine with reliable monitoring opportunities for enhancing the effectiveness and improving the predictability and reliability</li> <li>- scale-up of laboratory processes at bench scale and simulation of applicability at large scale</li> <li>- mathematical modeling to identify targeted experiments with the aim to track and quantify the mechanisms involved in removal of heavy metals</li> <li>- Life Cycle Assessment of biosorption process</li> <li>- project management activities</li> </ul>

Special interests	<ul style="list-style-type: none"> <li>- remediation of contaminated soils polluted with heavy metals</li> <li>- bioavailability processes for contaminants in soils and their use in risk assessment</li> <li>- behavior and degradation of pesticides in fruits and vegetables</li> <li>- potential human health risks associated with pesticide residues in fruits and vegetables</li> <li>- toxicological significance of food exposure to pesticides</li> </ul>
Name and address of employer	<p>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)</p>
Type of business or sector	Research and Development
<b>Dates</b>	<b>13.02.2012-26.03.2013</b>
Occupation or position held	<b>Teaching activities</b>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>• <b>Sustainable Industrial Production</b> – seminary classes for master programs:  Environmental Management and Sustainable Energy (English classes)  Environmental Management (Romanian classes)</li> <li>• <b>Ecological and Human Health Risk assessment</b> - seminary classes for master program</li> </ul>
Name and address of employer	<p>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)</p>
<b>Dates</b>	<b>1.10.2008-27.10.2011</b>
Occupation or position held	<b>PhD Student within BRAIN Project Doctoral scholarships as an investment in intelligence - ID 6681 financed by the European Social Found and Romanian Government</b>
Main activities and responsibilities	<p><b>Sorption processes applied for the removal of heavy metals from contaminated environments:</b></p> <ul style="list-style-type: none"> <li>- Bio-removal (biosorption and bioaccumulation) of heavy metals from wastewaters</li> <li>- Adsorption of heavy metals onto soils</li> <li>- Modeling of adsorption processes</li> <li>- Bioavailability of heavy metals in soils</li> </ul>
Name and address of employer	<p>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 Iasi (Romania)</p>
Type of business or sector	Research and Development
<b>Dates</b>	<b>1.03.2010-31.05.2010</b>
Occupation or position held	<b>PhD student - Research stage at Biological Engineering Centre, University of Minho</b> <b>Supervisor:</b> Prof. Teresa Tavares
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- biosorption and bioaccumulation of heavy metals from wastewaters by <i>Arthobacter viscosus</i></li> <li>- process modelling and optimization</li> </ul>
Name and address of employer	<p>University of Minho  Biological Engineering Centre  Braga, Portugal</p>
Type of business or sector	Research and Development
<b>Dates</b>	<b>1.10.2008 – 1.01.2014</b>
Occupation or position held	<b>Member of Editorial Production and Secretariat (VOLUNTEER) of</b> <i>Environmental Engineering and Management Journal</i> (IF = 1.065) <a href="http://omicron.ch.tuiasi.ro/EEMJ/">http://omicron.ch.tuiasi.ro/EEMJ/</a>
Main activities and responsibilities	Editorial Production and Secretariat
Name and address of employer	<p><i>Environmental Engineering and Management Journal</i>  Gheorghe Asachi Technical University of Iasi  Department of Environmental Engineering and Management  73 Prof. dr. docent Dimitrie Mangeron Street, 700050 Iasi (Romania)</p>
Type of business or sector	International Journal that publishes peer-reviewed original research papers

## Education and training

<b>Dates</b>	<b>21.08.2015-30.08.2015</b>
Title of qualification awarded	<b>Certificate of Completion</b> - Summer School of Sino-EU Doctoral School for Logistics, Information, Management, and Service Science
Principal subjects/occupational skills covered	<ul style="list-style-type: none"><li>- Theory of knowledge and event study</li><li>- Developing a research plan</li><li>- Introduction to R, programming algorithms</li><li>- Editing scientific manuscripts using LaTeX</li><li>- Qualitative data analysis</li><li>- Creating quality graphics</li><li>- Linear models and application in research</li><li>- Structured equation modelling</li></ul>
Name and type of organization providing education and training	Beijing Jiaotong University, International Center for Informatics Research, Beijing, China
<b>Dates</b>	<b>1.10.2008-27.10.2011</b>
Title of qualification awarded	<b>PhD in Chemical Engineering</b>
Principal subjects/occupational skills covered	PhD Thesis Title: <b>Sorption processes applied for the removal of heavy metals from contaminated environments</b> PhD supervisors: Prof. <b>Maria Gavrilescu</b> and Prof. <b>Teresa Tavares</b>
Name and type of organization 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 University of Minho, Biological Engineering Centre, Braga, Portugal
Level in national or international classification	ISCED 6
<b>Dates</b>	<b>01.10.2008 – 01.08.2009</b>
Title of qualification awarded	<b>Master of Science in Environmental Management</b>
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 organization 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
<b>Dates</b>	<b>01.10.2003 – 30.07.2008</b>
Title of qualification awarded	<b>Diplomate Engineer in Environmental Engineering</b>
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, Valorization and Management Bioremediation Technologies and Biotechnologies for Environmental Protection Integrated Pollution Prevention and Control Technologies for Soil Decontamination

Name and type of organization 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 Iasi (Romania)

Level in national or international classification  
 ISCED 5

**Dates** 01.10.2003 – 30.07.2007

Title of qualification awarded  
**Graduation Certificate**  
**Didactic Training Department**

Principal subjects/occupational skills covered  
 Educational Psychology  
 Pedagogy  
 Educational Communication  
 Curriculum Methodology

Name and type of organization providing education and training  
 Gheorghe Asachi Technical University of Iasi  
 Didactic Training Department

Level in national or international classification  
 ISCED 5

**Dates** 01.09.1999 – 30.06.2003

Title of qualification awarded  
**High School Diploma**  
**Natural Resources and Environmental Protection**

Principal subjects/occupational skills covered  
 Environmental Protection Technician

Name and type of organization providing education and training  
 Gheorghe Cartianu Technical College, Piatra-Neamt, Romania

Level in national or international classification  
 ISCED 4

**Personal skills and competences**

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (\*)

**English**

**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User
B1	Independent User	B1	Independent User	A2	Basic User	A2	Basic User	B1	Independent User

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

Social skills and competences  
 The power to quickly learn new things and to adapt with ease in new and different situations  
 Team spirit  
 Personal Trust  
 Capacity of Organization  
 Honesty and Responsibility  
 Good working relations with people of different national and cultural backgrounds

Organizational skills and competences  
 Ability to plan and organize research projects  
 Attention to detail

Scientific knowledge and skills  
 Ability to rigorously design and perform experiments  
 Ability to perform in-depth and critical data analysis  
 Ability to work efficiently and with minimum or no supervision  
 Ability to meet objectives within strictly set deadlines  
 Good communication and teamwork skills  
 Outcome focused  
 Creative

Technical skills and competences	Very good skills in laboratory techniques: microbiology, analytical chemistry Excellent skills in UV-VIS Spectrometry Very good skills in Atomic Absorption Spectrometry Skills in GC
Computer skills and competences	Excellent skills in Microsoft Office, namely Word, Excel, PowerPoint Excellent skills in Origin software
Other interests	Learning other languages, aerobic/fitness, nutrition, reading, music, dancing, animal welfare
Driving license	Category B

December, 2015