



## Europass Curriculum vitae

### Personal information



First name(s) / Surname(s) **Esmeralda Ionela CHIORESCU**

Faculty Agriculture

Department Pedotechnics

Date of birth 29 August 1971

Gender F

Service address 3, Mihail Sadoveanu Alley, 700490, Iasi, Romania

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Nationality Romanian

### Professional experience

2007-present **Lecturer Ph.D.Eng.**  
3, Mihail Sadoveanu Alley, 700490, Iasi, Romania, [www.uaiasi.ro](http://www.uaiasi.ro)  
▪teaching and research activity  
Type or sector of activity: education

2004 - 2007 **Scientific researcher**  
Technical University „Gheorghe Asachi” Iași, Bd. Dimitrie Mangeron, nr.67, 700050 Iași, România,  
Tel/Fax 0232231041, <http://www.tuiasi.ro/>  
Faculty of Hydrotechnics,  
Department of de: Hidroamelioration and Environment protection  
▪ teaching and research activity  
Type or sector of activity: education

1998 – 2004 **PhD**  
Technical University „Gheorghe Asachi” Iași, Bd. Dimitrie Mangeron, nr.67, 700050 Iași, România,  
Tel/Fax 0232231041, <http://www.tuiasi.ro/>  
Faculty of Hydrotechnics,  
Department of de: Hidroamelioration and Environment protection  
▪ teaching and research activity  
Type or sector of activity: education

1996 – 1998	<b>University assistant</b> Technical University „Gheorghe Asachi” Iași, Bd. Dimitrie Mangeron, nr.67, 700050 Iași, România, Tel/Fax 0232231041, <a href="http://www.tuiasi.ro/">http://www.tuiasi.ro/</a> Faculty of Hydrotechnics, Department of de: Hidroamelioration and Environment protection ▪ teaching and research activity Type or sector of activity: education									
Education and Training										
Dates	1991 – 1996									
Name and type of organisation providing education and training	Gh. Asachi” Technical University, Iași									
	<b>Diploma of engineer in hydrotechnical constructions –specialization Environmental Engineering</b> Series P, No. 0017670 Head of promotion (general graduation average 9.92 and 10 for graduation exam ) The subject to license: <i>Studies on the optimization of the integrated solid waste management in the city of Iasi</i>									
Title of qualification awarded	BSc Environmental Engineering specialization									
Principal subjects/occupational skills covered	environment protection, irrigation, soil erosion control, water excess removal, soil fertility, soil pollution, water protection, waste management and renewable energy									
Dates	1996 – 1997									
Name and type of organisation providing education and training	Gh. Asachi” Technical University, Iași									
	Master' s degree – Safety of hydrotechnical constructions, Series B, No.0009023 (general graduation average 9.87 and 10 for dissertation exam)									
Title of qualification awarded	Postgraduate in hydrotechnical constructions									
Principal subjects/occupational skills covered	hydrotechnical constructions, soil erosion control, water excess removal									
Dates	1998-2004									
Name and type of organisation providing education and training	Gh. Asachi” Technical University, Iași									
Title of qualification awarded	Ph.D. in Land improvement - Awarded PhD for the thesis <i>CONTRIBUTIONS BY PRICE ON NEW TECHNOLOGIES AND PROTECTION MATERIALS FOR IRRIGATED LAND</i> Scientific coordinator: Prof. dr.ing. Eftimie Nițescu <b>Diploma of Doctor in civil engineering</b> , Series E, No. 0000963									
Principal subjects/occupational skills covered	New technologies; materials protection, soil fertility, soil protection, water protection									
Foreign language(s)										
Self-assessment	<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>	
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production			
<b>English Language</b>		Independent user		Independent user		Independent user		Independent user		Independent user
	B1	English	B2	English	B1	English	B2	English	B1	English
	B1	French	B2	French	B1	French	B2	French	B1	French
	(*) <a href="#">Common European Framework of Reference for Languages</a>									

Professional skills and competences	Rational utilization and conservation of land resources Environment protection and capitalization of residues and wastewaters Irrigation of crops Assessment of soil quality (physical and chemical parameters) Regularization of water courses Water management Environmental protection and ecology Renewable types of energy Landscape installations and equipment
Research domains	New technologies and protection materials for irrigated land Organization of agricultural territory Soil and aquifer depollution technologies Water quality management The influence of anthropic actions on the environment and the implementation of remedial methods Ecology and ecophysiology
Social skills and competences	Good capacity for communication, seriousness, respect for moral principles, team spirit, very good interpersonal networking skills, leadership skills
Computer skills and competences	Microsoft Office - Word, Excel, AutoCad, ArcGis; Internet
Other skills	Passionate about: trips, swimming, reading, music, design, photography and naturalistic treatment methods
Driving license	B
Member in scientific/ professional associations	2013 – Society of Inventors in Romania 2009- Romanian National Society for Soil Science - European Society for Soil Conservation 1997 - Technical Foundation for Environmental Protection
Prized / awards	Cup of the International Fair of Inventions and Practical Ideas “INVENT-INVEST” 2018 (Practical Ideas Section, patent application) Silver medal of the International Fair of Inventions and Practical Ideas “INVENT-INVEST” 2017 Medal of honor - International Fair of Inventions and Practical Ideas “INVENT-INVEST” 2017 Bronze medal at the International Exhibition of Inventions and New Technologies, Iasi, 1995
Patent invention	Eftimie Nițescu, <b>Esmeralda Chiorescu</b> , Ciobanu Dumitru, Automated flood warning system, , Patent invention no. 123083/ 30.09.2010
Experience in research programs	Director/ Member in 13 research projects
Publications	University books -5 Chapter in international specialty books -4 Scientific papers in ISI journals-12 Scientific papers in volumes recognized by CNCSIS -50 Scientific papers in the volumes of the international conferences -25 Scientific papers in the volumes of the national conferences -32
Other mentions	Member in license commissions for the specialization of Environmental Engineering Member of the secretariat at the International Conference at the Faculty of Agriculture (2007-2019) Member of the Scientific Organization Committee INVENT-INVEST 2017

**Lecturer Ph.D.Eng**

**CHIORESCU ESMERALDA**