

Personal information

Surname / First name(s) **Mureșan, Mirela Maria**
Address 280, Floriilor street, app. 43, RO-407280, Cluj-Napoca, Romania
Telephone Mobile: +40746232607
E-mail mmuresan@chem.ubbcluj.ro
Nationality Romanian
Date of birth 08.09.1984
Gender Female

Desired employment / Occupational field **Chemical Engineering, Computer Aided Process Engineering, Gasification, Supply chain management**

Education and training

Dates October 2010 - present
Title of qualification awarded PhD in Chemical Engineering
Principal subjects/occupational skills covered Hydrogen supply chain from raw material to end user, Hydrogen production through gasification of coal and biomass with carbon dioxide capture and storage
- process simulation using Arena software by Rockwell Automation, Aspen Plus;
- process optimization using Arena OptQuest;
Name and type of organisation providing education and training Faculty of Chemistry and Chemical Engineering, Babes - Bolyai University, Arany Janos No. 11, Cluj - Napoca, Romania
Level in national or international classification International Standard Classification of Education (ISCED) 6

Dates October 2009 - February 2011
Title of qualification awarded Master of Science
Principal subjects/occupational skills covered Advanced process Chemical Engineering
Modeling, simulation and process control, process design and integration, energy conversion processes
Name and type of organisation providing education and training Faculty of Chemistry and Chemical Engineering, Babes - Bolyai University, Arany Janos No. 11, Cluj - Napoca, Romania
Level in national or international classification International Standard Classification of Education (ISCED) 5

Dates October 2004 – June 2009
Title of qualification awarded Bachelor of Science
Principal subjects/occupational skills covered Chemical Engineering
Mathematical modeling and simulation of chemical processes using process simulation software (ChemCAD, Aspen Plus, Matlab, Matlab Simulink);
Process design and control;
Heat and power integration;
Process optimisation;
Name and type of organisation providing education and training Faculty of Chemistry and Chemical Engineering, Babes - Bolyai University, Arany Janos No. 11, Cluj - Napoca, Romania
Level in national or international classification International Standard Classification of Education (ISCED) 5

Dates September 1999 – June 2003
Title of qualification awarded Baccalaureate

Principal subjects/occupational skills covered | General education

Name and type of organisation providing education and training | High School „Liviu Rebreanu”, Bistrița (Romania)

Level in national or international classification | International Standard Classification of Education (ISCED) 3

Personal skills and competences

Research and field of competences | Computer Aided Process Engineering, Gasification processes, Carbon dioxide capture and storage, Supply chain management

Mother tongue | **Romanian**

Other language(s)

Self-assessment

European level (*)

English

French

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

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

Social skills and competences | Teamwork, interpersonal skills, communication, responsibility, intercultural skills

Organisational skills and competences | Problem identification, problem solving, planning skills, foresight planning, resources management, time management

Technical skills and competences | Computer Aided Design (CAD), Computer Aided Process engineering (CAPE)

Computer skills and competences | Microsoft Windows 2000, XP , 7
 Microsoft Office (Word, Excel, Power Point, Project)
 Technical software: MATLAB / SIMULINK, LabVIEW, GAMS, Arena, Solid Edge
 Chemical specific software: ChemCAD, Aspen, Pro II

Driving licence | B category