

## PERSONAL INFORMATION

## IRINA MAZILU



 Street VICTORIEI, no. 105A, 727590 Vama (Romania)

 +40746551523

 [irina.mazilu@tuiasi.ro](mailto:irina.mazilu@tuiasi.ro)

Sex Female | Date of birth 28/05/1988 | Nationality Romanian

## EDUCATION AND TRAINING

01/10/2013–Present

## PhD Student

ISCED 6

Technical University "Gheorghe Asachi", Faculty of Chemical Engineering and Environmental Protection, Laboratory of Catalysis, 71A Dimitrie Mangeron Avenue (Romania)

01/11/2011–25/06/2013

## Master Degree in Chemical Engineering

ISCED 6

Technical University "Gheorghe Asachi" of Iasi, Faculty of Chemical Engineering and Environmental Protection, 71A, Dimitrie Mangeron Avenue (Romania)

Principal subjects:

Pharmaceuticals and cosmetics products, Materials characterization methods, Chemical and biochemical sensors

Mark 10 by 10, Master Degree mark 10 by 10, place 1-2 of 21 students

Skills in terms of analysis: TPR, BET, UV-Vis, ICP, FTIR, Raman, XRD, GC, HPLC, TG, TEM

01/10/2007–11/07/2011

## Undergraduate degree in Chemical Engineering

ISCED 6

Technical University "Gheorghe Asachi" of Iasi, Faculty of Chemical Engineering and Environmental Protection, 71A Dimitrie Mangeron Avenue (Romania)

Principal subjects:

Organic chemistry, Qualitative and quantitative analytical chemistry, Instrumental analysis, Thermodynamic chemistry, Industrial catalysis and catalysts, Physical chemistry, Catalysis in organic and petrochemical industry

Undergraduate degree mark 10 by 10; Mark 9.84 by 10; The first of 9 students

15/01/2013–14/06/2013

## ERASMUS internship placement

ISCED 6

Institut de Chimie des Milieux et Matériaux de Poitiers (IC2MP), UMR 7285 CNRS - Université de Poitiers, Michel Brunet Street no. 4 (Bât B27), 86022 Poitiers Cedex (France)

Field: Chemical Engineering, heterogeneous catalysis

Skills in terms of analysis: BET, DR UV-Vis, BET, TPR;

Project mark: 19/20

## PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	B2
French	B2	B2	B2	B2	B1

## ADDITIONAL INFORMATION

### Conferences

Constantin Rudolf, **Irina Mazilu**, Alexandru Chiriac, Brindusa Dragoi, Adrian Ungureanu, Ahmad Mehdi, Emil Dumitriu, *Copper nanoparticles supported on polyether-functionalized mesoporous silica. Synthesis and application as catalysts for cinnamaldehyde hydrogenation*, 2<sup>nd</sup> International Conference on Chemical Engineering, 5-8 November 2014, Iasi, Romania, poster

**Irina Mazilu**, Adrian Ungureanu, Alexandru Chiriac, Brindusa Dragoi, Cezar Catrinescu, Sébastien Royer, Sabine Petit, Emil Dumitriu, *A two-step approach to synthesize iron-containing mesoporous SBA-15 materials*, 30<sup>ème</sup> Réunion Annuelle du Groupe Français des Zéolithes, GFZ 2014, 19 – 21 martie 2014, Ile de Ré, France, poster

Constantin Rudolf, **Irina Mazilu**, Alexandru Chiriac, Carmen Ciotonea, Adrian Ungureanu, Brindusa Dragoi, Sébastien Royer, Emil Dumitriu, *Copper Catalysts Supported on Ordered Mesoporous Silica-Alumina for Chemoselective Hydrogenation of Cinnamaldehyde*, 30<sup>ème</sup> Réunion Annuelle du Groupe Français des Zéolithes, GFZ 2014, 19 – 21 martie 2014, Ile de Ré, France, poster

**Irina Mazilu**, Adrian Ungureanu, Brindusa Dragoi, Cezar Catrinescu, Sébastien Royer, Emil Dumitriu, *Synthesis by "pH adjusting method" and physico-chemical characterization of iron-containing mesoporous SBA-15 materials*, International Symposium of The Romanian Catalysis Society, RomCat 2013, 29-31 May 2013, Cluj-Napoca, Romania, poster

**Irina Mazilu**, *Synthesis and characterization of ordered mesoporous materials Fe-SBA-15 type*, Student Scientific Days, 24-25 mai 2012, Faculty of Chemical Engineering and Environmental Protection, Iasi - Romania, oral presentation

**Irina Mazilu**, Brindusa Dragoi, Cezar Catrinescu, Adrian Ungureanu and Emil Dumitriu, *Direct synthesis of ordered mesoporous Fe-SBA-15 materials by "pH-adjusting method" for catalytic Fenton-like oxidations*, 9<sup>th</sup> International Conference "Students for Students", 10-13 May 2012, Cluj-Napoca, Romania, poster, second prize

**Irina Mazilu**, Adrian Ungureanu, Brindusa Dragoi, Emil Dumitriu, *Synthesis of mesostructured aluminosilicates by pH-adjusting method*, Days of the Faculty of Chemical Engineering and Environmental Protection, 8<sup>th</sup> edition, Iasi – Romania, 16 - 18 noiembrie 2011, poster

**Irina Mazilu**, *Crystalline and amorphous acid solids for the alkylation of phenol with t-butanol*, Student Scientific Days, 12-13 mai 2011, Faculty of Chemical Engineering and Environmental Protection, Iasi - Romania, oral presentation, first prize

**Irina Mazilu**, Alexandru Chiriac, *Supported bimetallic catalyst type CuCo/SBA-15 for applications in chemoselective hydrogenation of t-cinnamaldehyde*, Student Scientific Days, 12-14 mai 2010, Faculty of Chemical Engineering and Environmental Protection, Iasi - Romania, oral presentation, first prize

**Irina Mazilu**, Daniela Ailincăi, *Synthesis and characterization of mesoporous materials SBA-15 type*, Student Research Day of the University "Constantin Brancusi", 2<sup>nd</sup> edition, 9–12 aprilie 2009, Tirgu Jiu, Romania, oral presentation, first prize