


PERSONAL INFORMATION

Filis Curti

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Sex Female | Date of birth 07/10/1993 | Nationality Romanian

WORK EXPERIENCE

- 01/2019–Present **Scientific Research Assistant**
University Politehnica of Bucharest, Bucharest (Romania)
- 06/2017–12/2018 **Analytical Development Analyst**
Labormed Alvogen, Bucharest (Romania)
- 04/2017–08/2018 **Scientific Research Assistant**
University Politehnica of Bucharest, Bucharest (Romania)
- 02/2017–06/2017 **Research Assistant**
National Institute For Chemical - Pharmaceutical Research and Development, Bucharest (Romania)
- 06/2015–09/2015 **Summer Research Intern**
Faculty of Chemical and Metallurgical Engineering, Yildiz Technical University, Istanbul (Turkey)
During this internship, the research topics included the following key words: bioactive glass, bone repair, rice hull ash silica, production of sodium silicate solution, Soxhlet extraction. The main responsibilities were obtaining the sodium silicate solution by use of rice hull ash silica and extraction of oil from walnuts by Soxhlet extraction.

EDUCATION AND TRAINING

- 2018–Present **Doctoral degree**
Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Bucharest (Romania)
On-going education in the field of biomedical engineering (chemical engineering) with focus on biomaterials, tissue engineering and research.
- 2016–2018 **Master in Materials, Substances and Biocompatible Systems**
Faculty of Medical Engineering, University Politehnica of Bucharest, Bucharest (Romania)
I had the opportunity to take part in the **Mobile II - Winter School project**. The host institution was the University of Reykjavik.
I also attended a training visit about **Biofabrication Techniques** at the University of Bergen, Norway.
- 2012–2016 **Bachelor's degree**
Faculty of Medical Engineering, University Politehnica of Bucharest, Bucharest (Romania)

Specialization: **Biomaterials and Medical Devices**

During faculty, I acquired various knowledge in the medical field (anatomy, immunology, pharmacology), electrical field (basic concepts) and mechanical field (biomechanics, fluid dynamics). I have studied in detail materials such as ceramics, polymers and metals.

3rd year: research on polyamides (especially nylon 6,10) and participation at Student Scientific Session 2015, with the paper *Polyamide based materials with applications in biomedical engineering*. The research activity was conducted in the Advanced Polymer Materials Group from the University POLITEHNICA of Bucharest.

4th year: research on hydrogels and cuttlefish bone in order to develop the diploma project. The research activity was conducted in the Advanced Polymer Materials Group. The theme of the diploma project was: *Synthesis and investigation of biomaterials based on natural polymers and biogenic mineral* and was coordinated by Prof. Dr. Ing. Izabela-Cristina STANCU and S.L. Dr. Ing. Diana-Maria DRAGUSIN.

I graduated valedictorian with 9.57.

2008–2012 **Baccalaureate Degree**

"Ovidius" High School, Constanta (Romania)

Section: Mathematics-Informatics

I have obtained the highest grade among the graduates of "Ovidius" Theoretical High School and I was in the top 10 graduates in the county.

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Turkish	B2	B2	B1	B1	B1
French	A2	A2	A2	A2	A2
German	A1	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills

- enhanced adaptive capacity
- capacity to assimilate new information
- skills and competences acquired after making numerous group projects (team work)

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Digital skills - Self-assessment grid

Knowledge in programming language: C++

Knowledge in Microsoft Office programmes (ECDL certificate - European Computer Driving License)

Basic knowledge in Inventor, AutoCAD, MATLAB, ImageJ and in Database Design and Programming With SQL

Driving licence B

ADDITIONAL INFORMATION

- Courses**
- German course at CIRUS language school, 2015
 - "Basic Life Support" course, 2014
 - Introduction to Inventor course, 2014
 - Psycho-pedagogical module, level 1, 2012-2015
 - ORACLE, 2011-2012
 - ECDL (European Computer Driving Licence), 2010-2012
- Conferences**
- 20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), with the paper *Biocomposites based on biogenous mineral for bone tissue regeneration*, September 2017
 - Technologies for the fabrication and characterization of 3D scaffolds for tissue engineering, with a *Project report on 3D printing*, June 2017
 - 7th International Conference "Biomaterials, Tissue Engineering and Medical Devices" BIOMMEDD'2016, with the paper *Biogenous mineral used to develop bio-inspired composite hydrogels for bone regeneration*, 2016
 - 1st Edition of the International Conference 3D Modelling Techniques for Medical Engineering, with the paper *Biocomposites based on biogenous mineral*, 2016
 - WORKSHOP: Young Scientists Joining Forces For Excellence In Biomaterials Research, with the paper *Polyamide based materials with applications in biomedical engineering*, 2015
- Awards**
- Mention in the Student Scientific Session, UPB, May 2016, with the paper *Biocomposites based on biogenous mineral*
 - 1st Prize in the Intercounty competition "I think economically, therefore I win", May 2011
 - 2nd Prize in the Economy County Olympiad, May 2011
- Publications**
- Biocomposites based on biogenous mineral for inducing biomimetic mineralization*, REVISTA DE MATERIALE PLASTICE, 2017
 - Chapter 14 - Preparation and Antimicrobial Activity of Inorganic Nanoparticles: Promising Solutions to Fight Antibiotic Resistance*, In *Micro and Nano Technologies*, Nanostructures for Antimicrobial Therapy, Elsevier, 2017