

PERSONAL INFORMATION

Mateescu Mădălina Irina



Sex Fem | Date of birth 08.04.1993 | Nationality Romanian

WORK EXPERIENCE
15.03.2020- Present

Quality Assurance Engineer

ACI World Wide

Monitoring and analyzing quality performance. Inspecting and testing materials, processes, and products to ensure quality specifications are met.

09.12.2019 – 15.03.2020

Expert Reviewer

West University of Timisoara

- Monitoring compliance with the quality standards in higher education elaborated by the ARACIS,
- Providing the support and consultancy needed for all UVT study programs to be authorized, accredited or evaluated periodically by ARACIS

01.02.2016 - 06.12.2019

Chemist, Chemical Laboratory (Research & Development Department)

B. Braun Pharmaceuticals SA

- Method development, validation of methods, transfer methods to other laboratories. Analysis UV-VIS, Titration, Gas Chromatography, HPLC.
- Main projects: Determination of lactose / citric acid. Assay of mepivacaine, malic acid, lactate. Determination of edetate, phosphate.

27.03.2014 - 01.02.2016

Chemist, Chemical Laboratory (Quality Control)

B. Braun Pharmaceuticals SA

- Quality control, in control process, thin layer chromatography, tests for purity raw materials. Analysis FT-IR, UV-VIS, atomic absorption.

EDUCATION AND TRAINING

01.10.2019 - present

MSc in Software engineering

West University of Timișoara, Faculty of Chemistry, Biology, Geography

Designing of Software Systems; Distributed systems.

2016 - present

PhD Student

West University of Timișoara, Faculty of Chemistry, Biology, Geography

01.09.2019 - 01.03.2020

Java course

Software development Academy

Java- Fundamentals; Git Hub introduction; Java Fundamentals Coding

- 2014 - 2016 **MSc in Forensic chemistry**
West University of Timișoara, Faculty of Chemistry, Biology, Geography
 ▪ Analytical chemistry and trace analysis, Chemistry and forensic toxicology, Investigation techniques IT and audio-video.
- 2011 - 2014 **BSc in Chemistry**
West University of Timișoara, Faculty of Chemistry, Biology, Geography
 ▪ Organic and Inorganic chemistry, Physical chemistry and Chemical technology / course and laboratory work; Perform chemical analysis; use of specific chemical instruments.
- 2007 - 2011 **Forest Technology High-School**
 Sighetu Marmatiei
 ▪ AutoCAD, network operating systems, assemble a computer system, computer systems security.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	A1	A1	A1	A1	A1

- Communication skills ▪ good communication skills gained through volunteering experience and participation in various student conferences and seminars.
- Organisational / managerial skills ▪ good organizational skills acquired through participation in projects such as StudentFest, West Summer University in which I was the coordinator of different tasks in various areas
- Job-related skills ▪ good command of quality control processes in pharmaceutical industry
- Computer skills ▪ good command of MS Office tools
 ▪ knowledge acquired through participation at different national competitions (National Evaluation in Education "Tudor Sorin" - IT section in 2010 and 2011.
- Other skills ▪ positive attitude, team work capabilities, practical oriented, communicative
- Driving licence ▪ B category from 2015

ADDITIONAL INFORMATION

Projects and Conferences

- 5th Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14th Mediterranean Conference on Calorimetry and Thermal Analysis (CEEC-TAC5 & Medicta), Roma, Italy, August, 2019,
- 28th Symposium on Thermal Analysis and Calorimetry- Eugen Segal of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy & 2nd Symposium on Thermal Analysis and Calorimetry of Moldova (CATCAR28 & MOLDTAC2), Timisoara, Romania, MAI, 2019
- 12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August, 2018.
- 4th Central and Eastern European Conference on Thermal Analysis and Calorimetry; 28-31 August, 2017
- International Conference "Students for Students" 9-13 April 2014, Cluj Napoca
- Student Scientific Session 01/07/2014 Timișoara - "Phenol water adsorption on different adsorbent materials"
- Conference "Nanomaterials - from waste to state-of-the-art" Academic Days of Timisoara 2013
- Conference "Heavy metals as contaminants of the environments", 05.17.2013, Timisoara
- Students Scientific Circle Principles "XV Edition, 4/26/2013, Timisoara
- International Conference "Students for Students" 10-14 April, 2013, Cluj Napoca,
- Student Scientific Session 09/07/2012, UVT
- Students Scientific Circle Principles "XIV Edition" 05.04.2012, Timisoara
- 9th Edition of the International Conference "Students for Students" 10-13 May 2012, Cluj Napoca

Volunteering

- "Veronica Chiriac" Inorganic Chemistry competition, 2018, Faculty of Chemistry, Biology and Geography, UVT
- Inorganic Chemistry "Veronica Chiriac" 22/05/2014, Faculty of Chemistry, Biology and Geography, UVT
- Student Organization of the West University of Timisoara, active member of Social Education and Research and Human Resources departments, (projects: Studentfest PARADOX, Democrația in UVT, West Summer University) from 2012
- "George Ostrogovich" Organic Chemistry competition, 05/18/2013, Faculty of Chemistry, Biology and Geography, UVT
- "Veronica Chiriac" Inorganic Chemistry competition, 27/04/2013, Faculty of Chemistry, Biology and Geography, UVT
- "Open Days" of the Biology-Chemistry Department, UVT, 2-5.04.2013
- Altitude Association Branch Banat in the Natura 2000 sites, 15.06.2012- 03.07.2012

Publications

1. Liviana Popescu, Mădălina Mateescu, Dorothea Bajas, Cristina Bugnariu, Gabriela Vlase, Daniela Jumanca, Titus Vlase, **"Study of thermally induced interactions between theobromine and various sweeteners"**, Journal of Thermal Analysis and Calorimetry, 2019, DOI: 10.1007/s10973-019-08826-0.
2. Titus Vlase, Paul Albu, Adriana Ledeti, Denisa Circioban, Madalina Mateescu, Codruța Moșoiu, Vlase Gabriela, **"Thermal behavior of entacapone, a catechol-O-methyltransferase inhibitor used in Parkinson's diseases"**, Journal of Thermal Analysis and Calorimetry, 2018, 134(3), DOI:10.1007/s10973-018-7097-y
3. Gabriela Vlase, Paul Albu, Sorin Cristian Doca, Madalina Mateescu, Titus Vlase, **"The kinetic study of the thermally induced degradation and an evaluation of the drug-excipient interactions performed for a new-generation bisphosphonate—risedronate"**, Journal of Thermal Analysis and Calorimetry, 2018, 134(6), DOI: 10.1007/s10973-018-7216-9
4. Paul Albu, Mihaela Budiul, Mădălina Mateescu, Vlad Chiriac, Gabriela Vlase, Titus Vlase, **"Studies regarding the induced thermal degradation, kinetic analysis and possible interactions with various excipients of an osseointegration agent: zoledronic acid"**, Journal of Thermal Analysis and Calorimetry, 2017, 130(1):1-6. DOI 10.1007/s10973-017-6537-4
5. Madalina Mateescu, Mihaela Budiul, Paul Albu, Gabriela Vlase, Titus Vlase, **"Thermal behavior and kinetic study of degradation for adamantan-2-one versus memantine hydrochloride"**, Journal of Thermal Analysis and Calorimetry, 2017, June 2017, 130(1):1-6, DOI 10.1007/s10973-017-6443-9
6. Mădălina MATEESCU, Gabriela VLASE, Daniela JUMANCA2, Atena GALUSCAN, Claudiu AVRAM, Titus VLASE, **"Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use"**, Mater. Plast., Accepted: 22.12.2020.
7. Dorothea Bajas, Gabriela Vlase, Mădălina Mateescu, Oana Alexandra Grad, Mădălin Bunoiu, Titus Vlase and Claudiu Avram, **"Formulation and Characterization of Alginate-Based Membranes for the Potential Transdermal Delivery of Methotrexate"**, Polymers, 2021, 13, 161. <https://doi.org/10.3390/polym13010161>.

Reference

Conf. dr. Vlad Chiriac (Faculty of Chemistry, Biology, Geography, UVT)
Prof. dr. Gabriela Vlase (Faculty of Chemistry, Biology, Geography, UVT)

