

## PERSONAL INFORMATION

**Mateescu Mădălina Irina**


## WORK EXPERIENCE

15.03.2020- Present

**Manager Proiect**

ACI World Wide

Definirea funcționalităților noi în proiect, planificarea activităților din proiect, definirea specificațiilor de calitate

15.03.2020- 01.10.2021

**Inginer Asigurarea Calitatii**

ACI World Wide

Monitorizarea si asigurarea calitatii. Inspectarea și testarea materialelor, proceselor si a produsului pentru a asigura indeplinirea criteriilor de specificatie

09.12.2019 – 15.03.2020

**Referent de specialitate**

Departamentul pentru Managementul Calitatii, West University of Timisoara

- Monitorizarea standardelor elaborate de ARACIS și asigurarea implementarii acestora,
- Monitorizarea dosarelor de acreditare la nivel de CBG, FEEA

01.02.2016 - 06.12.2019

**Chimist, Departamentul de Cercetare si Dezvoltare**

B. Braun Pharmaceuticals SA

- Dezvoltare metode analitice, validare metode, transfer de metode catre alte laboratoare. Analize UV-VIS, titrați, cromatografie de gaze, HPLC.
- Principalele proiecte: Determinarea enzimatica a lactozei/ acidului citric. Definire metoda determinare cantitativa mepivacaina, malic acid, lactat. Determinarea EDTA, phosphate.

27.03.2014 - 01.02.2016

**Chemist, Chemical Laboratory (Quality Control)**

B. Braun Pharmaceuticals SA

- Analiza controlului in timpul procesului, cromatografie in strat subtire, teste puritate materii prime. Analiza FT-IR, UV-VIS, absorptie atomica.

## EDUCATION AND TRAINING

01.10.2019 - 2021

**Masterat Software engineering**

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

Sisteme distribuite, Angular, Sisteme de calcul. Analiza datelor in R

2016 - 2021

**Doctorat in Chimie**

Titlu teza: Studiul fizico-chimic al unor substanțe de interes farmaceutic, utilizate în eliberarea treptată

Universitatea de Vest din Timișoara, Facultatea de Chimie, Biologie, Geografie

01.09.2019 - 01.03.2020

**Curs Java**

Software development Academy

- 2014 - 2016 **Fundamentele JAVA, introducere Git Hub, Fundamentele codarii**  
**Masterat Chimie Criminalistică**  
**Universitatea de Vest din Timișoara, Facultatea de Chimie, Biologie, Geografie**  
 ▪ Analiza chimica de urme, chimie si toxicologie, tehnici de investigare IT si audio-video.
- 2011 - 2014 **Licență în Chimie**  
**Universitatea de Vest din Timișoara, Facultatea de Chimie, Biologie, Geografie**  
 ▪ Chimie organica si anorganica, Tehnologie Chimica si Fizica, analize de laborator, utilizarea instrumentelor specifice laboratorului de chimie.
- 2007 - 2011 **Forest Technology High-School**  
**Sighetu Marmatiei**  
 ▪ AutoCAD, operarea sistemelor de retea, asamblarea sistemelor de calcul, securitatea sistemelor de calcul.

PERSONAL SKILLS

Mother tongue(s) **Romana**

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 ▪ **Abilități de comunicare obținute în urma experienței de voluntariat și în urma participării la multiple conferințe.**
- Organisational / managerial skills ▪ **Abilități bune de organizare, dobândite prin participări în proiecte precum: StudentFest, West Summer University**
- Job-related skills ▪ **Abilitati de analiza in timpul procesului, in industria farmaceutica.**
- Computer skills ▪ **Utilizarea MS Office**
- Other skills ▪ **Atitudine pozitivă, capacitate de muncă în echipă, comunicativă.**
- Driving licence ▪ **B ( din 2015)**

ADDITIONAL INFORMATION

- Projects and Conferences
- 5<sup>th</sup> Central and Eastern European Conference on Thermal Analysis and Calorimetry & 14<sup>th</sup> Mediterranean Conference on Calorimetry and Thermal Analysis (CEEC-TAC5 & Medicta), Roma, Italy, August, 2019,
  - 28<sup>th</sup> 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
  - 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC12), 27-30 August, 2018.
  - 4<sup>th</sup> 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
  - 9<sup>th</sup> 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 Abu, Adriana Ledetj, 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 Abu, Sorin Cristian Doca, Madalina Mateescu, Titus Vlase, „The kinetic study of the thermally induced degradation and an evaluation of the drug-exciipient 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 Abu, 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 Abu, 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 JUMANCA<sup>2</sup>, Atena GALUSCAN, Claudiu AVRAM, Titus VLASE, "Comparative study regarding thermal behaviour of mixtures based on hydroxyapatite and methacrylate for dental use", *Mater. Plast.*, 58(1):1-10.
  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.
  8. Cristina-Adela Marioane , Mădălin Bunoiu, Mădălina Mateescu, Paula Sfirloagă, Gabriela Vlase, and Titus Vlase "Preliminary Study for the Preparation of Transmucosal or Transdermal Patches with Acyclovir and Lidocaine", *Polymers*, 2021, 13, 3596.
- Reference
- Conf. dr. Vlad Chiriac (Faculty of Chemistry, Biology, Geography, UVT)  
 Prof. dr. Gabriela Vlase (Faculty of Chemistry, Biology, Geography, UVT)