


PERSONAL INFORMATION

Melinda Vajda

 Bl.5 , Et.3 , Ap.15, 307412 , Sat. Colonia Fabricii (Com. Tomesti), Timis (Romania)

 (+40) 730526014

 vajda.mellinda@yahoo.ro

WORK EXPERIENCE

01/12/2018–Present

Scientific research assistant

National Institute for Research and Development in Electrochemistry and Condensed Matter (INCEMC), Timisoara (Romania)

02/05/2017–30/09/2017

Scientific research assistant

National Institute for Research and Development in Electrochemistry and Condensed Matter (INCEMC), Timisoara (Romania)

- Realization of scientific documentation;
- Physical-chemical measurements, chemical synthesis, collection and interpretation of experimental data;
- Collecting data for writing materials and scientific works in the field of activity.

09/2016–12/2016

Volunteering

Research Institute for Renewable Energies (ICER), Timisoara (Romania)

- Carrying out physico-chemical analyzes within the research projects, waste analyzes, determining the content of elements from samples by atomic absorption spectrometry in flame, wastewater treatment from the chemical industry by electrocoagulation.

18/04/2016–18/07/2016

Traineeship

Ondokuz Mayıs University, Samsun (Turkey)

Completion of the Diploma Project with the theme: Structure Determination of $C_{29}H_{23}FO_6$ using single crystal X-ray Diffraction.

- Data collection, processing and interpretation of results using CrysAlisPro, Olex2 programs.

03/06/2013–21/06/2013

Internship

AQUATIM SA, Timisoara (Romania)

WATER TREATMENT STATION - carrying out chemical analyzes to verify the quality parameters

EDUCATION AND TRAINING

01/10/2018–Present

PhD - Chemical Engineering

Politehnica University of Timisoara, Timișoara (Romania)

Thesis title : Contributions to optimizing dye sensitized solar cells

09/2016–07/2018

Master Degree (Environmental Engineering and Management in Industry)

Politehnica University of Timisoara , Faculty of Industrial Chemistry and Environmental

Engineering, Timisoara (Romania)
 + ISO 9001 Management System Auditor Certificate (TUV Karpat / TUV Thuringen)

2012–2016 **Bachelor of engineering (Environmental Engineering and Protection in Industry)**

Politehnica University of Timisoara , Faculty of Industrial Chemistry and Environmental Engineering, Timisoara (Romania)

The main disciplines studied: Waste Management, Waste Processing, Biochemistry, Environmental Law, Soil / Water / Air Pollution Control, Biotechnologies, Microbiology, Ecology, Organic Chemistry, Inorganic Chemistry, Analytical Chemistry, Electrochemistry.

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B2	B2

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

- Team work
- Goal oriented
- Intercultural skills (ERASMUS stages)

Job-related skills

- Competences regarding the work in a chemical / biological laboratory, acquired in the laboratories realized in the faculty but also during the internships.
- Safe handling of a wide range of laboratory instruments and equipment: glassware, magnetic and mechanical stirrers, niches, pH-meters, analyzers.

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

- Good knowledge of the Microsoft Office package
- Elementary use of CATIA, MATLAB programs
- Modeling and interpreting data with the OriginPro 8, X-Pert HighScore Plus programs

Driving licence B