



**WORK EXPERIENCE**

01/09/2022 – CURRENT – Cluj-Napoca, Romania

**RESEARCH ASSISTANT** – NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT OF ISOTOPIC AND MOLECULAR TECHNOLOGIES

01/09/2019 – 31/10/2019 – Cluj-Napoca, Romania

**TEHNICIAN** – BABEȘ-BOLYAI UNIVERSITY

During this work session, I had the opportunity to acquire several CAD (computer-aided design) and CAE (computer-aided engineering) abilities. I learned the finite element method both from a theoretical and practical perspective and moreover using two CAE-specific programs (Solidworks and Ansys Workbench), I designed 3D geometries and simulated certain physical phenomena. The goal of my research was to figure out the possibility of replacing fossil fuels with rapeseed-based oil. Using the above-mentioned software, I created a digital model of the pulverization process of these oils.

**EDUCATION AND TRAINING**

01/10/2018 – 30/06/2022 – Str. Mihail Kogălniceanu, nr. 1 , Cluj-Napoca, Cluj, Romania

**GRADUATE OF FACULTY OF PHYSICS IN APPLIED ENGINEERING SCIENCES, ENGINEER DEGREE** – Babeș-Bolyai University, Faculty of Physics, Technological Physics, romanian

**Thesis:** Studiul CFD al procesului de pulverizare a biocombustibililor

<https://www.ubbcluj.ro/en/>

15/09/2014 – 12/07/2018 – str. 1989 December 21,nr. 9., Cluj-Napoca, Romania

**HIGH SCHOOL DIPLOMA, BACHELOR DEGREE** – János Zsigmond Unitarian High School

<https://www.janoszsigmond.ro/>

**LANGUAGE SKILLS**

Mother tongue(s): **HUNGARIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ROMANIAN</b>	C2	C2	C2	C1	C2
<b>ENGLISH</b>	B2	C1	C1	B2	C1

- **DIGITAL SKILLS**

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### **My Digital Skills**

ECDL - European Computer Driving Licence Certificate | Microsoft Office, Microsoft Word, Microsoft Excel, Outlook, Facebook, Google | Data Gathering, Data Processing, Data Visualization, Data Analysis

- **DRIVING LICENCE**

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**Driving Licence:** AM

**Driving Licence:** B1

**Driving Licence:** B

- **HOBBIES AND INTERESTS**

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### **Electronics**

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Creating different household projects using Arduino development boards

### **Reading scientific articles from multiple domains**

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**Soccer, tennis, ping-pong**

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