





PERSONAL INFORMATION



**Lupitu (Pag) Andreea Ioana**

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PROFESSIONAL EXPERIENCE

2019-present

**Scientific Researcher III**

Institute of Interdisciplinary Research - "Aurel Vlaicu" University of Arad, Arad, Elena Drăgoi Street, No. 2, Arad County

- Developing project applications for various competitions.
- Involvement in the implementation and completion of the university's awarded projects.
- Overseeing the dissemination of research results through the preparation of scientific papers.
- Participating in scientific events (conferences, symposia, seminars, professional development courses).
- Attending fairs and exhibitions where ICDISTN – UAV is invited.
- Assisting in organizing meetings and events related to research, development, and innovation activities.
- Ensuring the proper functioning of the Natural Products and Chromatographic Analysis Laboratory infrastructure.
- Drafting the research plan and ensuring the achievement of its objectives.
- Optimizing systems for identifying and quantifying biologically active compounds from various plants, vegetable and animal fats, volatile organic compounds, peptides.

2017-2019

**Scientific Researcher**

Aurel Vlaicu University, Research, Development and Innovation Institute in Technical and Natural Sciences, Arad, Elena Drăgoi Street, No. 2, Arad County

- Involvement in the implementation and completion of awarded projects within the university.
- Participation in specific competitions in the field of activity.
- Overseeing the dissemination of research results through the preparation of scientific papers.
- Participating in scientific events (conferences, symposia, seminars, professional development courses).
- Attending fairs and exhibitions where ICDISTN – UAV is invited.
- Assisting in organizing meetings and events related to research, development, and innovation activities.
- Ensuring the proper functioning of the Natural Products and Chromatographic Analysis Laboratory infrastructure.
- Drafting the research plan and ensuring the achievement of its objectives.
- Optimizing systems for identifying and quantifying biologically active compounds from various plants, vegetable and animal fats.

2010-2014

**Research Assistant**

**Aurel Vlaicu University**

Research, Development and Innovation Institute in Technical and Natural Sciences, Arad, Elena Drăgoi Street, No. 2, Arad County

- Obtaining, characterizing, and utilizing active principles from Liberian plants.
- Optimizing systems for identifying and quantifying biologically active compounds from seeds of Liberian plants and compounds emitted by plants under biotic and abiotic stress through specific methods: high-performance liquid chromatography (HPLC), liquid chromatography coupled with mass spectrometry (LC-MS), gas chromatography coupled with mass spectrometry (GC-MS), ultraviolet-visible spectrometry (UV-VIS).
- Determining the antioxidant and antimicrobial activity of biologically active substances using specific methods.

EDUCATION AND TRAINING

2018-2022 **Bachelor's Degree / Engineer**

Aurel Vlaicu University, Faculty of Food Engineering, Tourism, and Environmental Protection, Specialization: Biotechnical and Ecological Systems Engineering

- Main subjects studied: Ecology, Environmental Chemistry, Soil Science, Environmental Microbiology, Genetics, Material Science and Engineering, Biology of Water, Air and Soil, Ecotoxicology, Pollutant Control.

2010-2014 **PhD Degree**

University of Agricultural Sciences and Veterinary Medicine – Cluj Napoca, Specialization: Biotechnologies

- Main subjects studied: Biochemistry, Enzyme and Protein Biotechnology, Food Biotechnology.

2009-2011 **Master Degree**

Aurel Vlaicu University, Faculty of Food Engineering, Tourism, and Environmental Protection, Specialization: Food Product Quality Management

- Main subjects studied: European Projects, Instrumental Analysis, Advanced Software in the Food Sector, Current Technologies in Food Research, Special Technologies and Biotechnologies in the Food Industry.

2009-2010 **Graduation Certificate**

Department for Teacher Training, Aurel Vlaicu University, Arad

- Didactic Communication

2004-2009 **Diploma of Engineer / Bachelor's Degree**

Aurel Vlaicu University, Faculty of Food Engineering, Tourism, and Environmental Protection Specialization: Public Food and Agrotourism Engineering and Management

- Main subjects studied: Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Biochemistry, Instrumental Analysis, Microbiology, Management, Mathematics, Industrial Equipment, Gastronomy.

2000-2004 **Baccalaureate Diploma**

Scrieți nivelul EQF, dacă îl cunoașteți

Elena Ghiba Birta National College – Arad

Specialization: Chemistry-Biology

- Main subjects studied: Chemistry, Biology, Mathematics, Physics.

PERSONAL SKILLS

Mother tongue Romanian.

Other known languages

	UNDERSTANDING		SPOKEN		WRITING
	Listening	Reading	Spoken Interaction	Spoken Production	
English	B1	B1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2: Proficient user  
According to the Common European Framework of Reference for Languages

- Communication skills** Team spirit demonstrated through various collaborations with ICDISTN members, foreign professionals, and individuals from other universities. Also, active involvement in various research teams.  
Good communication skills acquired and demonstrated through the drafting of scientific articles and participation in both national and international conferences and symposia.
- Ability to adapt to diverse social and cultural environments proven by collaborations with researchers from both domestic and international institutions, students, administrative staff, and economic partners.
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- Organizational/managerial skills** Organizational and managerial skills acquired during a project in which I was a director for two years. UEFISCDI evaluator for various competitions.
- Job-related skills** Skills acquired through various trainings (UV-VIS, FTIR, GC-MS headspace, HPLC-DAD-MS with fraction collector, MALDI-TOF-MS, PTR-TOF, WALZ).
- Computer skills**
- Knowledge in using Microsoft Office tools (Word, Excel, PowerPoint), Internet Explorer, Mozilla Firefox, Adobe, GC-MS Solution, OriginLab, Nist Mass Spectral Database, EndNote, Essential FTIR, WinAspect.
- Driving license**
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