

PERSONAL INFORMATION

BREZESTEAN IOANA ANDREEA



 Donat 67-103, Cluj-Napoca, Romania

 +4064-584037

 ioana.brezestean@itim-cj.ro

Sex Feminin | Date of birth 29/09/1991 | Nationality Romanian

WORK EXPERIENCE

01.12.2018-present

National Institute for Research and Development of Isotopic and Molecular Technologies, Molecular and Biomolecular Physic Department
Research Assistant – Phd

Project: "Emergent technologies for the industrial quantification of 2D (graphenic and non-graphenic) structures".

01.10 2015-present

October 2015 – present PhD Department of Biomedical, Theoretical Physics and Molecular Spectroscopy

Faculty of Physics, Babeş-Bolyai University in Cluj-Napoca

Main responsibilities:

- ✓ Preparation of the samples
- ✓ Synthesis of silver nanoparticles using 2 different methods: **Lee and Maisse** and **Hydroxilamin**
- ✓ Samples analysis using Raman Spectroscopy: Absortion (UV-VIS), Raman, MicroRaman, FT Raman, Surface Enhanced Raman Spectroscopy – SERS, Optical microscopy.
- ✓ Elaboration of articles on different subjects (*mentioned in Additional Info*)

15.09.2013-
15.11.2013

September 2013-December 2013

Internship: Institute of Gastroenterology prof.dr Octavian Fodor, Cluj Napoca, Romania

Main Activities and Competencies: Activities in the Department of Radiology and Medical Imaging
Operation of the X-ray machine or the Tomograph Computer

- Calibrating the devices
- Retrieve and Process Data

EDUCATION AND TRAINING

2015-present

Babeş-Bolyai University in Cluj-Napoca Faculty of Physics

PhD studies: Department of Biomedical, Theoretical Physics and Molecular Spectroscopy

Babeş-Bolyai University in Cluj-Napoca Faculty of Physics

PhD studies: Department of Biomedical, Theoretical Physics and Molecular Spectroscopy

- 2013-2015 Babeş-Bolyai University in Cluj-Napoca, Faculty of Physics
Specialization: Biomedical major
Subjects: **Spectroscopy, Biophysics, Physics of atom and molecule**
- 2010-2013 Babeş-Bolyai University in Cluj-Napoca
Faculty of Physics
Specialization: Medical Physics
- 2006-2010 „Onisifor Ghibu” Theoretical Highschool, Sibiu
Specialization: Mathematics and computer science

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Communication skills ▪ Good communication skills gained through my experience as research assistant and PhD

Organisational / managerial skills ▪ I am a responsible, flexible person, always willing to enlarge my knowledge on this major.

Job-related skills ▪ Time management and prioritizing tasks are skills achieved during my PhD

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem solving
	Proficient user	Proficient user	Proficient user	Proficient user	E Proficient user

ECDL-certificates
Good knowledge of PC: MS Office (Word, Excel, PowerPoint, Outlook), Internet.
Statistical software: **Origin 8.1**, GaussView

PERSONAL SKILLS

Driving licence No

ADDITIONAL INFORMATION

- Publications
Presentations
- In 2013 I obtained performance scholarship in Physics major with the project *Analytical study of gallstones in patients from Transylvania, Romania.*

ANNEXES

- publications or research and conference