

CURRICULUM VITAE



PERSONAL INFORMATION

Name Anda Leş
City Iasi
Country Romania
E-mail les.anda@yahoo.com
Phone number +40752368545
Date of birth 10.09.1992
Nationality Romanian



WORKING EXPERIENCE

From Dec.2019 **Laboratory physicist** at Faculty of Physics, “Alexandru Ioan Cuza” University, Iasi
Oct.2016-Dec. 2019 **Data entry specialist** – Iron Mountain Company
May–Sept.2016 **Internship** at Robert Bosch Company, technical engineering department



EDUCATION

From Oct. 2020 **PhD student** at Alexandru Ioan Cuza University, Faculty of Physics
2014-2016 **Master** in Biophysics and Medical Physics, Faculty of Physics, “Babeş - Bolyai” University, Cluj-Napoca
Oct.2015–Feb.2016 **Erasmus traineeship** at Nova University Lisbon, Faculty of Science and Technology, Chemistry Department
2011–2014 **Bachelor** in Physics, Faculty of Physics, “Babeş - Bolyai” University, Cluj-Napoca
2007–2011 **High-school** “Colegiul Național Emanuil Gojdu” Oradea
Specialization: mathematics - informatics
C++, C#, SQL programs – Certificate in Informatics



PERSONAL SKILLS

Communication

First language ROMANIAN

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	C1	C1	C1	C1	C1
	CERTIFICATE CAMBRIDGE ENGLISH: ADVANCED (CAE)				
FRENCH	B2	B2	B2	B2	B2
	BACCALAUREATE CERTIFICATE				

Social skills

Team working ability acquired during my previous jobs
Interacting with international colleagues through the Erasmus traineeship

Software manipulation skills

Microsoft Office Package, C++, C#.



SCIENTIFIC ACTIVITIES

LIST OF PUBLICATIONS

1. Les, Anda, Larisa Popescu, Dorina Creanga, Dana-Ortansa Dorohoi, and Liviu Sacarescu. "Study of gallic acid antioxidant molecule in interaction with solvents, aiming its utilization as a stabilizer of magnetic nanoparticles in suspensions." *Molecular Crystals and Liquid Crystals* 2022, 1-12.
2. Popescu-Lipan, Larisa, Anda Les, Marian Grigoras, Gabriel Ababei, Iuliana Motrescu, Georgiana Bulai, Florin Brinza, Dorina Creanga, and Maria Balasoiu. "Antioxidant molecule useful in the stabilization of nanoparticles in water suspension." *Soft Materials* 2022, 20, S76-S90.
3. Oprica, Lacramioara, Gabriela Vochita, Marius-Nicușor Grigore, Sergey Shvidkiy, Alexander Molokanov, Daniela Gherghel, Anda Les, and Dorina Creanga. "Cytogenetic and Biochemical Responses of Wheat Seeds to Proton Irradiation at the Bragg Peak." *Plants* 2023, 12(4), 842.

PUBLICATIONS IN RELATED FIELDS:

1. Fanaru, Andreea, Anda Les, Dorina Creanga, Dana-Ortansa Dorohoi, and Liviu Sacarescu. "Magnetic nanoparticles interactions with wastewater pollutants." *Molecular Crystals and Liquid Crystals* 749, no. 1 (2022): 93-106. (AIS 0.098)
2. Les, A., Ardeleanu, H., Grigoras, M., Motrescu, I., Creanga, D., & Pricop, D. (2023). Quantum-Chemical and Experimental Study on the Interactions between the Magnetic Core and the Molecular Shell of Cobalt Ferrite Nanoparticles in Aqueous Suspensions. *Analytical Letters*, 1-14. (AIS 0.239)

PARTICIPATION TO INTERNATIONAL SCIENTIFIC CONFERENCES:

- Popescu-Lipan L., Les A., Domocos, M., Ababei, G., Brinza, F., Creanga, D., Bălăsoiu, M., Antioxidant molecule useful in the stabilization of nanoparticles in water suspension, 4th International Summer School and Workshop "Complex and Magnetic Soft Matter Systems: Physico-Mechanical Properties and Structure", Timisoara, Romania, 19 - 22 Aprilie 2021, poster
- Anda Les, Larisa Popescu, Dorina Creanga, Dana-Ortansa Dorohoi, Liviu Sacarescu, Study of gallic acid antioxidant molecule in interaction with solvents, aiming its utilization as stabilizer of magnetic nanoparticles in suspensions, XXV Galyna Puchkovska International School Seminar "Spectroscopy of Molecules and Crystals", Kiev, Ucraina, 21-24 septembrie 2021, poster
- Andreea Fanaru, Larisa Popescu, Anda Les, Dorina Creanga, Dana-Ortansa Dorohoi Liviu Sacarescu, Magnetic nanoparticles interactions with waste water pollutants, XXV Galyna Puchkovska International School Seminar "Spectroscopy of Molecules and Crystals", Kiev,

Ucraina, 21-24 septembrie 2021, poster

- Eliza Olteanu, Daniela A. Pricop, Anda Les, Modification of the plasmonic properties of AuNPs photoactivated and stabilized in lipid-chitosan; preliminary data, 4th Autumn School on Physics of Advanced Materials (PAMS in cadrul ICPAM), Sant Feliu de Guixols, Spain, 24-30 septembrie, 2021, poster
- Les Anda, Vacariu Anamaria, Motrescu Iuliana, Bulai Georgiana, Creanga Dorina, Oprica Lacramioara, Preliminary results on biological synthesis of silver nanoparticles, 13th International Conference on Physics of Advanced Materials, (PAMS in cadrul ICPAM) Sant Feliu de Guixols, Spain, 24-30 septembrie, 2021, oral presentation
- Anda Les, Alexander Molokanov, Shvidkiy Sergey, Dorina Creanga, The proton beam influence on the sensitivity of wheat plantlets to AgNP pollution – preliminary results, inter-Academia, Gomel, Belarus, 20-22 octombrie, 2021, poster
- Helmina Ardeleanu, Anda Les, Nicoleta Melniciuc, Marian Grigorasand Dorina Creanga, Cobalt doped magnetite nanoparticles and their potential toxicity in the environment, TIM 20-21, Timișoara, Romania, 11-13 noiembrie, 2021
- Anda Les, Helmina Ardeleanu, Nicoleta Melniciuc Puica, Iuliana Motrescu, Dorina Creanga, Quantum-chemical and experimental study on the interactions between the magnetic core and the molecular shell of iron oxide nanoparticles in aqueous suspensions for biomedical applications, IC-ANMBES 2022, Brasov, Romania
- Anda Les, Dorina-Emilia Creanga, Iuliana Motrescu, Computational and experimental study of cysteamine capped magnetite nanoparticles (MNP@cys) stability in aqueous suspension, ICPAM-14, Dubrovnik, Croatia, 2022

PARTICIPATION TO NATIONAL SCIENTIFIC CONFERENCES:

- Theoretical and Experimental Study of Gold Nanoparticles Stabilized in Cysteamine for Biomedical Applications. Anda Leș, Daniela Pricop, Dorina Emilia Creangă, FTEM (Physics and Modern Education Technologies), 2023 (oral presentation)
- Study of the metallic particle nanotoxicity in the environmental vegetation. L. Șandor, D. Pricop, D.E. Creanga, A. Les, poster presentation FTEM 2023
- Experimental study on the UV radiation effect in young plantlets. Crainiciuc Alexandra, Oprica Lacramioara, Vochita Gabriela, Les Anda, Creanga Dorina, poster presentation FTEM 2023



DRIVING LICENSE Category B