


**CURRICULUM VITAE**

<p><b>INFORMATION PERSONAL</b></p>			
Name	ALEXE ELENA VERONICA(former name Tomosoiu)		
Address (s)	Albinelor Street, number.32, block of flats.32, sector 4, Bucharest, Romania		
Phone (s)	Landline: 0213311124	Mobile: 0724954084	
Fax (s)			
E -mail (s)	v_e_alexe@yahoo.com		
Nationality (s)	Romanian		
Date of birth	(day, month, year) 14 09 1961 city Giurgiu		
<p><b>EXPERIENCE PROFESSIONAL</b></p>			
Period	From 01-10-1989-present	1987-1989	1984-1987
Name and address of the employer	Geological Institute of Romania (INCD in the fields: geology, geophysics, geochemistry, remote sensing)	Research -design institute for wastewater treatment (ICPEAR) -Structured water research laboratory (LCAS)	chemical plant Giurgiu
Type of activity or sector of activity	Physical chemical determinations materials geological and environmental samples (especially by atomic spectrometry) used in research geological and geochemical. Analysis laboratory	Research in the field of physical methods of analysis (spectrometry, refractometry, electron microscopy) of innovative chemical or biochemical products in the laboratory for characterization of structured waters (magnetized, waters ionically enriched waters)	Research in the field of physics and instrumental optimization and development of a method for testing of some chemicals Laboratory Testing quality
Position held / main activities and responsibilities	<p>Physicist (1989-1990)                      Researcher (1990-1994)                      Researcher pr. grIII (1994-present) and Associate Teacher                      Responsible (2012-November2018) of the GE ECOLAB laboratory within the Department. "Installations of National Interest" -IGR                      In the 2001-2004period associate professor in university education, teaching course, hours of work practical and laboratory( "Physics for biologists") at the University of Bucharest - Faculty of Biology                      In the period 2001-2015, I taught physics, and lectured about "Spectrometric techniques in the analysis of construction materials " at faculties within UTCB University                      Since 1994-present, associate professor (teaching disciplines: Physics, Sciences, History of physics, History of technology, other optional courses) in high school education Bucharest.                      Analytical activity in the laboratory inAES spectrometry (optimization of methods, optimization of equipment parameters, method development)</p>	<p>Physicist                      Analytical activity in the laboratory                      Use and improvement of physical methods (spectrometry, transmission microscopy, electron) to characterize the biological effects of aqueous solutions.</p>	<p>Physicist / Cumulus teacher of physics in education pre-university(Technological Giurgiu High School no. 1 and Theoretical High School no. 1 "Ion Miorescu" Giurgiu )                      Laboratory activity and activity didactic-physics teacher high school</p>

	rehabilitation laboratory, writing scientific reports Responsible for projects with topics in the analytical field Member of teams in projects research with topics of geology, environmental geology, etc.		
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<b>EDUCATION AND TRAINING</b>			
Period (from - to )	1980-1984	2000-2009	
Name and type of institution educational and organization professional through which was carried out the professional training	Univ.Bucharest Faculty of Physics	Univ.Bucharest Faculty of Physics	
Field of study /skills occupational	Physics	Exact sciences	
Type of qualification / diploma obtained	Diploma of bachelor's degree (GPA 10)	Doctoral degree (Very-good grade)	
Level of classification of the field of training / education in the national system or international	Higher-term higher education	Doctoral studies	
training courses Vocational	European ICP-OES workshop Bulgaria, Sofia, Sept. 25 -27-2012 (introductory course in the operation of ICP, DCAES, Hydra, instruments produced by "Teledyne Instruments") - "News in SEM electron microscopy with EDS detection" Iasi, October 2012 – Presentation of the range of microscopes SEM produced by PhenomWorld Netherland– Theory and session practical demonstrations - Presentation of the range of XRF spectrometers produced by Bruker Elemental, Iasi 2012 – theory and session practical demonstration- Training for operating analytical equipment when installing equipment (Hydra II, ICP BAIRD2070, MINIPAL4, Portable XRF Delta, Electronic microscope Tesla, etc) Online training for knowledge of spectrometric methods and auxiliary equipment - Milestone webinar: Introducing the MAXI-24 HP rotor (microwave soil and rocks digestion)-2020 -Bruker Webinar: Rapid on-site trace element analysis of wastewater, sewage and industrial effluents-2020		

<b>SKILLS AND COMPETENCES PERSONAL</b>	
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Native language (s)	Romanian			
foreign language (s) Foreign Known	Foreign language1 French	Foreign language2 English	Foreign language 3 German	Etc.
the ability to read	Very good	Very good	Good	
ability to write	Good	Good	Good	
ability to speak	Good	Good	Good	
<b>Pedagogical skills Pedagogical</b>	experience of over 30 years (Classes, seminars, practical works of physics in higher education and teaching physics classes and optional at colleges and high schools in Bucharest)			
<b>skills and competences Artistic</b> Music, drawing, literature, e	Graduate (with exam) of music school			
<b>PC skills</b>	Word, Excel, Matlab, Analytical operating programs dedicated to spectrometric equipment			
<b>Organizational skills and competences</b>	Coordination and organization of laboratory (rehabilitation, modernization) and coordination analytical activity (responsible for thematic projects in the analytical field)			
<b>Driving license</b>	Category B			