



## Europass Curriculum Vitae

### Personal information



First name(s) / Surname(s) **Setnescu Tanta**

Telephone(s)

Mobile: Mobil:

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E-mail [setnescutanta@yahoo.com](mailto:setnescutanta@yahoo.com)

Nationality Romanian

Date of birth 10 June 1957

Gender Female

### Employment / Occupational field **Valahia University of Targoviste, Romania/ Education; Research**

#### Work experience

Dates 1999 - present

Occupation or position held professor

Main activities and responsibilities Education and research (new and advanced materials, chemical analysis and materials characterization)

Name and address of employer Valahia University of Targoviste, Faculty of Sciences and Arts, Department of Sciences, 8-12 Bd. Unirii, Târgoviște, jud. Dâmbovița, Romania

Type of business or sector Education and research

#### Education and training

Dates 1999

Title of qualification awarded PhD in Chemistry (Physical Chemistry) – University of Bucharest  
PhD thesis: *Contributions to study of the effectiveness of antioxidants by luminescence*

Principal subjects/occupational skills covered **Principal subjects**  
Interaction of ionizing radiation with the matter

Radiation chemistry  
Luminescence phenomena

#### Occupational skills

Applications of radiation processing technologies;  
Polymeric materials. Antioxidants and stabilization. Synergistic effects of antioxidants;  
Degradation of polymeric materials under various stress conditions. Synergistic effects;  
Infrared spectroscopy and applications in characterization of the polymeric materials and additives.  
Applications of chemiluminescence in polymers and additives characterization.

Name and type of organisation providing education and training University of Bucharest, Faculty of Chemistry, Radiochemistry Laboratory  
4-12 Bd. Regina Elisabeta, Sector 3, Bucharest, Romania

Level in national or international classification 6B, education domain 44

Dates	September 1980 - June 1981																														
Title of qualification awarded	MSc: Radiation Chemistry Dissertation title: <i>The study of catalysts by the method of radiothermoluminescence</i>																														
Principal subjects/occupational skills covered	<b>Principal subjects</b> Radiation chemistry Isotopes and their practical applications Macromolecular compounds Organic and inorganic chemical technology <b>Occupational skills</b> - Radiothermoluminescence of some oxide catalysts for hydrocarbon isomerization - Modification of the catalytic activity in ionizing radiation fields - Analysis of some hydrocarbon mixtures by gas-chromatography																														
Name and type of organisation providing education and training	University of Bucharest, Faculty of Chemistry, Radiochemistry Laboratory 4-12 Bd. Regina Elisabeta, Sector 3, Bucharest, Romania																														
Level in national or international classification	6B, education domain 44																														
Dates	September 1976 - June 1980																														
Title of qualification awarded	Licence (diploma) of Chemistry Title of the diploma dissertation : <i>1,2 Clorhidrine. Synthesis and properties</i>																														
Principal subjects/occupational skills covered	<b>Principal subjects</b> General chemistry, Inorganic chemistry, Organic chemistry, Chemistry of macromolecules and colloids, Atomic structure and chemical bond, Kinetics of chemical reactions, Thermodynamics, Photochemistry, Kinetics of rapid and ultrarapid reactions <b>Discipline profesionale</b> - Methodology of chemistry pedagogy. Pedagogic psychology. - Radiothermoluminescence and its applications - Gas chromatography as an analysis method for gas mixtures																														
Name and type of organisation providing education and training	Polytechnical Institute of Bucharest, National Institute of Chemistry, Faculty of Chemical Technology – Chemistry Department																														
Name and type of organisation providing education and training	6B, education domain 44																														
<b>Personal skills and competences</b>																															
Mother tongue(s)	<b>Romanian</b>																														
Other language(s)	<b>English, French</b>																														
Self-assessment <i>European level (*)</i>	<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> </tr> </thead> <tbody> <tr> <td></td> <td>C1</td> <td></td> <td>C2</td> <td></td> <td>C1</td> <td></td> <td>C2</td> </tr> <tr> <td></td> <td>C2</td> <td></td> <td>C2</td> <td></td> <td>C2</td> <td></td> <td>C2</td> </tr> </tbody> </table>	Understanding		Speaking		Writing		Listening		Reading		Spoken interaction		Spoken production			C1		C2		C1		C2		C2		C2		C2		C2
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	<b>English</b>																														
	<b>French</b>																														
	(*) <a href="#">Common European Framework of Reference for Languages</a>																														
Social skills and competences	Team spirit and ability to adapt to multicultural environments Skills acquired through participation in research projects and internships network and international cooperation: - bilateral cooperation with Gunma Technical University, Kiryu, Japan (1997) - bilateral cooperation with Bejaia University, Algeria (2002 – present) - bilateral cooperation with CERN Geneve, Switzerland (2006 – 2011)																														
Organisational skills and competences	-Experience in managing research projects, obtained through participation as project director or responsible at the national and international research projects																														

Technical skills and competences	<p>Techniques of analysis and materials characterization</p> <ul style="list-style-type: none"> <li>- FTIR and UV-vis spectroscopy</li> <li>- thermal analysis (DSC, DTA, chemiluminescence, radiothermoluminescence)</li> <li>- analytical chromatographic separation techniques (GC, HPLC)</li> <li>- electrochemical analysis</li> <li>- radiation dosimetry</li> </ul> <p>The skills were acquired by academic studies, short term courses and research activities in Romania (ICPE-CA, University of Bucharest, Valahia University of Targoviste) as well as short training sessions</p>
Computer skills and competences	<p>Good managing of Microsoft Office tools (Word™, Excell™, Power Point™), Adobe Acrobat Professional™, PhotoShop™, Origin™, Wolfram™ etc</p> <p>Good managing of different data acquisition and data processing software of different laboratory instruments, as well as of some applications like AKTS Thermokinetics devoted to data processing and kinetics predictions.</p>
Driving licence	Driving license, category B
<b>Additional information</b>	<p>Affiliation to scientific or professional organizations:</p> <ul style="list-style-type: none"> <li>- Romanian Society of Chemistry</li> <li>- Romanian Society of Physics</li> <li>- Romanian Society of Magnetic Materials (SRMM)</li> <li>- Society of Electrostatics</li> </ul>
<b>Annexes</b>	