

Europass Curriculum Vitae

Personal information



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

Telephone(s)

Mobile: Mobil:+40 722 92 10 10

Fax(es) +40 21 346 82 99

E-mail setnescu@icpe-ca.ro; setnescutanta@yahoo.com

Nationality Romanian

Date of birth 10 june 1957

Gender Women

Employment / Occupational field **Valahia University of Targoviste, Romania/ Education; Research Research & Development Institute for Electrical Engineering (ICPE-CA) Bucharest, Romania/ 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

Dates 1999-present

Occupation or position held Senior researcher (associate from 1999)

Main activities and responsibilities research (materials for electrical engineering, new and advanced materials, analysis and characterization of materials, ionizing radiation processing of materials, luminescence phenomena)

Name and address of employer National Research and Development Institute for Electrical Engineering (ICPE-CA) Bucharest, 313 Splaiul Unirii, Sector 3, Bucharest, Romania

Type of business or sector Research

Education and training

Dates 1999

Title of qualification awarded PhD in Chemistry (Physical Chemistry) – University of Bucharest

PhD thesis: *Contributions to the study the effectiveness of antioxidants by luminescence*

Principal subjects/occupational skills covered	<p>Principal subjects Interaction of ionizing radiation with the matter Radiation chemistry</p> <p>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.</p>
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	<p>Principal subjects Radiation chemistry Isotopes and their practical applications Macromolecular compounds Organic and inorganic chemical technology</p> <p>Occupational skills - 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</p>
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	<p>Principal subjects 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</p> <p>Discipline profesionale - Methodology of chemistry pedagogy. Pedagogic psychology. - Radiothermoluminescence and its applications - Gas chromatography as an analysis method for gas mixtures</p>
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

Personal skills and competences

Mother tongue(s) Romanian

Other language(s) English, French

Self-assessment

European level ()*

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Experienced user	B2	Independent user	B2	Independent user	B2	Independent user
C2	Experienced user	C2	Experienced user	C2	Experienced user	C2	Experienced user	C1	Experienced user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences	<p>Team spirit and ability to adapt to multicultural environments</p> <p>Skills acquired through participation in research projects and internships network and international cooperation:</p> <ul style="list-style-type: none"> - bilateral cooperation with Bejaia University, Algeria, during 2002 - 2005; - bilateral cooperation with CERN Geneve, Switzerland, during 2006 - 2011
Organisational skills and competences	-Experience in managing research projects, obtained through participation as project director 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"> - FTIR and UV-vis spectroscopy - chemiluminescence, lyoluminescence, radiothermoluminescence - thermal analysis (DSC, DTA) - analytical chromatographic separation techniques (GC, HPLC) - electrochemical analysis - irradiation with ionizing radiation dosimetry <p>Skills acquired through university and post-graduate studies mentioned, in research conducted in the country (ICPE-CA, University of Bucharest, Valahia University of Targoviste) as well as short training sessions</p>
Computer skills and competences	<p>Good command of Microsoft Office tools (Word™, Excell™, Power Point™), Adobe Acrobat Professional™, PhotoShop™, Origin™, Wolfram™ etc</p> <p>Good command of specific programs for data acquisition and processing of various laboratory instruments, and computing applications and evaluation based on experimental data processing, for example AKTS Thermokinetics</p>
Artistic skills and competences	
Other skills and competences	
Driving licence	Driving license category B
Additional information	
Annexes	Selection of works published in ISI