



Europass Curriculum Vitae

Personal information



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

Telephone(s)

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rsetnescu@yahoo.com

Nationality

Romanian

Date of birth

11 February 1957

Gender

Male

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, România

Type of business or sector

Education and research

Occupation or position held

February 2006 – December 2009 Project associate

Main activities and responsibilities

Research (characterization and improvement radioresistance of materials, and assessment of remaining life of polymeric materials in the fields of radiation)

Name and address of employer

European Organization for Nuclear Research (CERN), Meyrin CH-1211, Geneva 23, Switzerland

Type of business or sector

Research

Education and training

Dates

1998

Title of qualification awarded

PhD in Chemistry (Physical Chemistry) – University of Bucharest

PhD thesis: *Contributions to study of some synergistic effects in degradation and stabilization of some polymeric materials*

Principal subjects/occupational skills covered	<p>Principal subjects Interaction of ionizing radiation with the matter Radiation chemistry Luminescence phenomena</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>Influence of ionizing radiation on the activity and selectivity of some solid catalysts</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>Radiothermoluminescence of some metallic oxides</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. - Heterogeneous catalysis - 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

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C1	C2

French	C2	C2	C2	C2	C2
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(*) [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 by both participation to international network research projects and fellowships, as for example:</p> <ul style="list-style-type: none"> - academic fellowship, Gunma Technical University, Kiryu, Japan (April 1996 - October 1996); - bilateral cooperation with Bejaia University Algeria (2002 - present) <p>- project associate to European Organization for Nuclear Research (CERN), Switzerland (February 2006 - December 2009)</p>
Organisational skills and competences	<p>Management of research projects - skills acquired by participation as project director to various national and international projects</p> <p>Management of research activities - skills acquired by short term management courses and confirmed by different positions, such as head of laboratory, head of department (Advanced Research Center at ICPE-CA), Scientific Secretary of Institute for Multidisciplinary Scientific and Technologic Research (ICSTM-UVT) of Valahia University of Targoviste (2004 - 2006)</p>
Technical skills and competences	<p>Techniques of analysis and characterization of materials,as for example:</p> <ul style="list-style-type: none"> - FTIR and UV-vis spectroscopy - thermal analysis (DSC, DTA, TG, chemiluminescence, radiothermoluminescence) - chromatography and separatology techniques (GC, HPLC) - electrochemical analysis - radiation dosimetry <p>The skills were acquired by academic studies, short term courses, fellowships, and research activities in Romania or out outside</p>
Computer skills and competences	<p>Good managing of Microsoft Office tools (e.g. 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
Additional information	<p>Affiliation to scientific or professional organizations:</p> <ul style="list-style-type: none"> - Romanian Society of Chemistry - Romanian Society of Physics - Romanian Society of Magnetic Materials (SRMM) - Society of Electrostatics
Annexes	