

Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)

Teodora Rusu



Work experience

Dates

03 January 1994 →

Occupation or position held

Scientific research and Coordinator of Project Management Office (full time)

Main activities and responsibilities

Scientific research related to polymer science, computational method used in chemistry, national and international projects consultant

Name and address of employer

“Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania - Public body, research institute

Dates

01 June 2015 →

Occupation or position held

Project Manager of the Horizon 2020 WIDESPREAD 2-2014: ERA Chairs Project no.667387 SupraChem Lab (part time position)

Main activities and responsibilities

Day to day management of the project and the project follow-up, check the work progress regularly, assume the relations with the European Commission, provided to the EC and actively work on their redaction

Name and address of employer

“Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania - Public body, research institute

Dates

01 January 2017 →

Occupation or position held

Romanian Manager for the ERA-IB-16-040 Project: Wood and Derivatives Protection by Novel Bio-Coating Solutions (Acronym: PROWood) (part time position)

Main activities and responsibilities

Scientific research related to conversion of industrial by-products and biomass into value-added products, Novel systems for new or more sustainable processes using bio-catalysts such as enzymes, micro-organism and cell-free biosynthesis systems from natural or synthetic origins.

Name and address of employer

“Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania - Public body, research institute

Dates

15 October 2009 – 15 October 2013

Occupation or position held

Project Officer (SECONDED NATIONAL EXPERT - SNE) /DG Research & Innovation, Unit B3 Research Infrastructures

Main activities and responsibilities

- Follow-up and management of community research initiatives / activities / contracts in the field(s) of nano products, energy, chemistry, physics and environment
- **Call coordinator for 2012 and 2013 (call preparation, organisation of evaluation, organisation of negotiations, organisation of redress and re-evaluation procedure)**
- Monitor the overall performance (technical, dissemination, exploitation) of projects in the field(s) of energy, nano products, chemistry, physics and environment
- Support horizontal activities, concertation and networking aspects of the programme and its projects
- Provide advice(s) and input(s) on specific files, policy development, and the definition of strategic objectives.

Name and address of employer

European Commission - Public body

Dates **01 March 2007 → 2009**
Occupation or position held **Romanian expert for FP7 NMP Programme Committee (PC) and National Contact Point (NCP) for FP7 Programme NMP Priority**
Main activities and responsibilities Active participation in the PC Meetings related to FP7 NMP calls for proposals (2008, 2009)
Dissemination of FP7 information, partner search for FP7 projects, guidance, practical information and assistance on all aspects of participation in FP7
Name and address of employer **Romanian Ministry of Education Research and Youth – National Authority for Scientific Research (ANCS) - Governmental body**

Dates **01 November 2006 - 30 June 2007**
Occupation or position held **Counsellor – Structural Funds (POS CCE Axe II) NE Romania Territorial Office**
Main activities and responsibilities Dissemination of information on SOP - CCE Axe II at regional level, support for project proposal preparation (IMPACT program), evaluator for IMPACT program
Name and address of employer **Romanian Ministry of Education Research and Youth – National Authority for Scientific Research (ANCS) - Governmental body**

Education and training

Dates 01 November 2000 - 30 December 2008
Title of qualification awarded **PhD in chemistry**
Principal subjects covered Thesis title: “Computational methods applied in macromolecular chemistry”
Name and type of organisation providing education and training “Gh. Asachi” Technical University, Iasi, Romania, Faculty of Industrial Chemistry
Level in national or international classification PhD thesis – public presentation April 2009

Dates 01 October 2006 - 01 June 2008
Title of qualification awarded **MA in Project Management**
Principal subjects covered Proposal preparation, partner search, project evaluation, project management, quality assurance,
Name and type of organisation providing education and training “Al. I. Cuza”, University, Iasi, Romania, Faculty of Public Administration and Business
Level in national or international classification Master degree (graduation exam June. 2010)

Dates 01 October 2007 - 01 July 2009
Title of qualification awarded **BSc & MSc chemical engineer**
Principal subjects covered Macromolecular Chemistry
Name and type of organisation providing education and training “Gh. Asachi” Technical University, Iasi, Romania, Faculty of industrial chemistry
Level in national or international classification Chemical engineer (Bachelor and Master in chemistry)

Dates 01 October 1988 - 01 July 1993

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s) Self-assessment

European level (*)

English

French

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	A2	Basic User
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

Expertise in:

A. Scientific research:

- a. Nanoscience, engineering and nanotechnology; Quality and safety testing in nanomaterials; **Renewable energy and bioenergy (biofuels, fuel cells, carbon capture, photovoltaic)**; Biopolymers and copolymers (lignocellulosic derivatives, starch, etc); European chemicals legislation (REACH); Knowledge-based multifunctional materials: Block copolymers, Polymer gels; Thermodynamic properties of polymer solutions; (member of Polymer Network Group and Romanian Chemical Society);
- b. Sustainable development; green chemistry; (member of Romanian association for Ecological Management and Sustainable Development);
- c. Information Technologies: Artificial intelligence methods in chemistry;

B1. Project management at European Commission DG R&D :

Co - Call coordinator for 2012 and 2013 (call preparation, organisation of evaluation, organisation of negotiations, organisation of redress and re-evaluation procedure)

- Management of projects concerning Research Infrastructures of Pan European importance in the field of: chemistry, nanotechnology, energy, environment, physics.:

- SOPHIA - Solar PHotovoltaic European Research Infrastructure,
- BRISK - The European Research Infrastructure for Thermo-Chemical Biomass Conversion
- ECCSEL - European Carbon Dioxide Capture and Storage Laboratory Infrastructure,
- IMECC - Infrastructure for Measurement of the European Carbon Cycle
- ICOS - Integrated Carbon Observation System
- ESMI - European Soft Matter Infrastructure;
- SPIRIT - Support of Public and Industrial Research using Ion Beam Technology
- EUMINAFab—Integrating European research infrastructures for micro-nano fabrication of functional structures and devices out of a knowledge-based multimaterials' repertoire;
- ESTEEM - Distributed European Infrastructure of Advanced Electron Microscopy for Nanoscience,
- QNano - pan-European infrastructure for quality in nanomaterials safety testing;
- NFFA - Nanoscience Foundries and Fine Analysis
- EUSAAR - EUropean Supersites for Atmospheric Aerosol Research
- OPTICON Optical Infrared Coordination Network for Astronomy
- LAGUNA-LBNO Design of a pan-European Infrastructure for Large Apparatus studying Grand Unification, Neutrino Astrophysics and Long Baseline Neutrino Oscillations
- EUROCHAMP 2 - Integration of European Simulation Chambers for Investigating Atmospheric Processes
- Etc.

B2. Project management at P. Poni Institute of Macromolecular Chemistry:

FP6:

- Project INCO-CT-2005 no. 017142, Romanian Action for Integrating, Networking and Strengthening the ERA (RAINS)
- Project FP6-2002-NMP-1, no. 500375, Network of Excellence: The European Polysaccharide Network (Polysaccharides)

FP7:

- Coordinator for Project FP7-PEOPLE-2007-5-3-ERA-MORE no. 221897, "Discover Europe"- Romanian Mobility Centre initiative to strengthen ERA-MORE (Discover Europe)
- FP7-PEOPLE-2007-1-1-ITN nr 216011 Mechanisms of interactions in nano-scale of novel ionic lubricants with functional surfaces (MINILUBES)

Horizont 2020:

- Project H2020-WIDESPREAD-2014-2 no 667387 SupraChem Lab - Laboratory of Supramolecular Chemistry for Adaptive Delivery Systems - ERA Chair initiative

ERA NET

- ERA-IB-16-04Project: Wood and Derivatives Protection by Novel Bio-Coating Solutions (Acronym: PROWood) ; 2017 - 2020

C. International cooperation: Oxford University UK; Physics Institute, Manitoba, Canada; University Montpellier II, France; University of Bayreuth, Chair of Macromolecular Chemistry II, Germany; Yıldız Technical University, Department of Chemistry, Esenler-Istanbul TURKEY, Russian Academy of Science