



Curriculum Vitae



Personal information

First name / Surname **Cristina ORBECI**

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Nationality Romanian

Occupational field

Higher Education
Type of business or sector Academic education / Didactics and scientific research
Institution POLITEHNICA University of Bucharest, Romania

Work experience

Dates	2016-up to now
Occupation or position held	Professor
Main activities and responsibilities	Courses: Chemical Technology, Wastewater Treatment, Toxicology, Environmental Legislation
Name and address of employer	POLITEHNICA University of Bucharest
Dates	2012 - 2016
Occupation or position held	Associate Professor
Main activities and responsibilities	Courses, seminars for the subjects: Environmental Chemistry, Wastewater Treatment, Toxicology, Environmental Legislation
Name and address of employer	POLITEHNICA University of Bucharest
Dates	2005 – 2012
Occupation or position held	Lecturer
Main activities and responsibilities	Courses, laboratory, seminars for the subjects: Environmental Legislation, Climatology, Environmental Chemistry, Chemical Technologies, Toxicology and Chemical Reactivity, Environmental Policies, Public Health and Sanitary Management, Environmental Sample Characterization and so on.
Name and address of employer	POLITEHNICA University of Bucharest

Dates	2001 –2005
Occupation or position held	Assistant
Main activities and responsibilities	Laboratory, seminars, courses for the subjects: Anorganic Salts Technology, Anorganic Chemical Technology, General Chemical Technology, Pure and Advanced Purity Anorganic Substances, Environmental Chemistry
Name and address of employer	POLITEHNICA University of Bucharest

Dates	1998- 2001
Occupation or position held	Tutor
Main activities and responsibilities	Laboratory, seminars, for the subjects: Anorganic Salts Technology, Modelling Crystallization Processes, Anorganic Chemical Technology, Mineralogy, Inventions
Name and address of employer	POLITEHNICA University of Bucharest

Education and training

Dates	May 2010- April 2013
Title of qualification awarded	Post- PhD academic degree
Principal subjects/occupational skills covered	Functionalized Nanomaterials for the Photo-oxidative Degradation of Phenol Derivatives in Membrane Systems
Name and type of organisation providing education and training	University POLITEHNICA of Bucharest-“Advanced Postdoctoral Research Program on Nanomaterials” POSDRU/89/1.5/S/54785

Dates December 1999- August 2005

Title of qualification awarded PhD academic degree

Principal subjects/occupational skills covered Studies and Research on Cr(VI) Removal from Aqueous Solutions Through Ionic Exchange Processes

Name and type of organisation providing education and training University POLITEHNICA of Bucharest- Faculty of Industrial Chemistry

Dates December 1999- August 2005

Title of qualification awarded PhD studies, domain Chemical Engineering

Name and type of organisation providing education and training University POLITEHNICA of Bucharest

Dates October 1998- July 1999

Title of qualification awarded Postgraduate academic degree

Principal subjects/occupational skills covered Special Anorganic Syntheses

Name and type of organisation providing education and training Faculty of Industrial Chemistry, University POLITEHNICA of Bucharest

Dates October 1993- July 1998

Title of qualification awarded Bachelor of Sciences degree

Principal subjects/occupational skills covered **Anorganic Substances Technology**

Name and type of organisation providing education and training Faculty of Industrial Chemistry, University POLITEHNICA of Bucharest

Personal skills and competences

Mother tongue **Romanian**

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent speaker	C1	Proficient speaker	A2	Basic speaker	B2	Independent speaker	B2	Independent speaker
B1	Independent speaker	B1	Independent speaker	A2	Basic speaker	A2	Basic speaker	A2	Basic speaker

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

Social skills and competences

Team spirit: in this respect, I acquired the experience of working in a team starting with the academic years, when I participated in practical activities of a didactic and research nature; I continued to build on this experience at the work place, through drafting and publishing scientific papers (articles published in scientific magazines or presented at national and international conferences, scientific research contracts as project manager or member in the research team)

Communication skills: I have developed good communication skills as a result of my professional experience

Other competences: scientific information and documentation, adaptability at the work place, multitasking

Organisational skills and competences	<p>Coordination capacity: proven by the fact that I was in charge of scientific research activities within scientific research contracts with relevant units</p> <p>Supervisor of the technological practical activity performed by chemical units or units for environmental protection</p> <p>Organizational skills: in what concerns modernizing didactic and scientific research laboratories</p>
Technical skills and competences	<p>Skills for the use of specific equipment and laboratory utensils, developed in a professional context</p> <p>Competences in domains such as: obtaining and characterizing materials with pre-established properties; modern chemical technologies; processes and procedures for an advanced cleaning of industrial effluents; these have been acquired throughout the years of study and at the work place</p>
Computer skills and competences	<p>Computer skills for the use of instruments such as Microsoft Office (Word, Excel, PowerPoint), graphical applications (Adobe Illustrator, Adobe Photoshop) and of the Internet, developed in a professional context</p>
Artistic skills and competences	<p>Design</p>
Other skills and competences	<p>Sports: handball</p> <p>Hobbies: traveling</p>
Driving licence	<p>Category B</p>
Additional information	<p>Scientific papers: PhD Thesis, 6 specialized books (with ISBN) by CNCSIS renowned publishing houses, i.e. 1 book chapter published in the international publishing house, 3 patents, 34 scientific articles published in national and international magazines-Proceedings, 27 scientific papers presented at international scientific events; drafting and implementing 19 scientific research contracts, of which 3 as project manager</p> <p>Professional organizations: member of 7 national and international scientific organizations: Societatea de Chimie din România; INRO-România; Societatea Independentă pentru Protecția Mediului Înconjurător "InterMEDIU" România; Societatea Română de Biomateriale; Asociația Eurachem-România; Societatea Internațională de Cristalizarea și Optimizare "Crysopt"; Asociația Internațională de Apă (IWA)</p> <p>Specializations and qualifications:</p> <ul style="list-style-type: none"> ➤ Environmental Science and Engineering, 2006; courses - Michigan State University, University Politehnica of Bucharest and the Public Health Institute of Bucharest ➤ Fundamentals of Environmental Chemistry, 2007; courses - Michigan State University, University Politehnica of Bucharest and the Public Health Institute of Bucharest ➤ Fundamentals of Environmental Chemistry and Engineering, 2010; courses - Michigan State University, University Politehnica of Bucharest and the Technical University of Constructions Bucharest ➤ Chromatographic, spectrophotometric technologies, applied organic synthesis of medicines, analyses in the chemical industry, biology, medicine and physics, 2009; courses - ABL&E-JASCO Romania Commerce and Services LTD, Chamber of Commerce and Industry of Romania ➤ Water Operational Analyses with Hach Lange Laboratory Systems, 2010; seminars - University Politehnica of Bucharest ➤ Systems membranes- complex roadmaps toward functional devices and coupled processes; Membrane materials and technologies, 2010; XXVII Summer School, University Politehnica of Bucharest ➤ Bio analysis versus Biotechnology, 2010; workshop - Center for Bio analysis, National Research and Development Institute for Biological Sciences, Bucharest ➤ Green Energy, electra Thermo energy-production and supply, 2010; workshop - Thermoelectric powerplant Midia Navodari, county of Constanța ➤ Internal Auditors, 2012, training course—Quality Management Department, University Politehnica of Bucharest ➤ Quality, innovation, communication in the continuous training of the academic staff, POSDRU/87/1.3/S/63709, Sinaia, 2013