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Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Cecilia Lete**
Address	
Telephone	
E-mail	clete@icf.ro; cecilia_lete@yahoo.com
Nationality	Romanian
Date of birth	17th July 1967
Gender	female

Work experience

Dates- Occupation or position held	2001-present- Senior Researcher 1996-2001 –Junior Researcher 1993 -1996 - Research Assistant
Main activities and responsibilities	- preparation and characterization of conducting polymers (Cyclic Voltammetry, Chronoamperometry, Electrochemical Quartz Crystal Microbalance, Electrochemical Impedance Spectroscopy, and UV-Vis Spectroscopy); - development of biosensors and sensors for the determination of biological compounds and different pollutants (Chronoamperometry, Differential Pulse Voltammetry, Cyclic Voltammetry, and Electrochemical Impedance Spectroscopy); - obtaining of new electrochemical sensors and biosensors based on microelectrodes and microelectrode arrays modified by (bio)composite materials; - development of methods and analytical devices for the determination of dopamine, epinephrine, serotonin, α-lipoic acid, melatonin, quercetin, and ascorbic acid; - electrochemical methods for the preparation of metallic nanoparticles and inorganic-organic composite materials
Name and address of employer	Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy, Spl. Indepenpentei 202, 060021, Bucharest, Romania
Type of business or sector	Electrochemistry and Corrosion Department

Education and training

Dates	
Title of qualification awarded	
Principal subjects/occupational skills covered	
Name and type of organization providing education and training	University of Bucharest, Faculty of Chemistry
Dates	March1994- June2001
Title of qualification awarded	PhD Degree
Principal subjects/occupational skills covered	Chemistry – Electrochemical behavior of several organic and inorganic compounds

Name and type of organization providing education and training	University of Bucharest, Faculty of Chemistry
Dates	September 1987- July 1992
Title of qualification awarded	Chemist
Principal subjects/occupational skills covered	Organic Chemistry
Name and type of organisation providing education and training	University of Bucharest, Faculty of Chemistry
Personal skills and competences	Modified electrodes, Electroanalysis, Conducting polymers and Organic Electrochemistry
Mother tongue(s)	Romanian
Other language(s)	

European level (*)	**Understanding**				**Speaking**				**Writing**	
Language	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Experienced user	C1	Experienced user	C1	Experienced user	C1	Experienced user	C1	Experienced user
Italian	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

Social skills and competences	Teamwork, creativity
Organizational skills and competences	**Responsible** for several research projects: **"Innovative electrochemical sensors for clinical and environmental analysis"** (2006-2008) with Polytechnica University; **"Innovative systems for fast evaluation of potential toxic substances in food and beverage"** with ICECHIM (2006-2008); **"Heteroaromatic compounds stabilized by azulene substitution. Synthesis, study of their physico-chemical and electrochemical properties, uses in nonlinear light transmission (NLO) technique" with CCO „C. Nenitescu"** (2005-2008) **„Electrochemical sensors based on nanocomposite materials with applications in the analysis of biologically active compounds"** with Polytechnica University (2022-2024)
Computer skills and competences	Operating Systems: Windows 2000-2011, XP, Vista, Microsoft Power Point, Microsoft Excel, Microsoft Word, OriginPro 8, ZView software, GPES, NOVA, PSTrace Reviewer for: *Electrochimica Acta, Analytical Methods, Materials Chemistry and Physics, Talanta, Buletinul Universitatii Politehnica Bucuresti, Biosensors and Bioelectronics, Sensors, Biosensors, Micromachines, Review Romaine de Chimie,* Member of Romanian Chemical Society Member of International Society of Electrochemistry

Other skills and competences

Training stages and courses:

Since 2002, I have worked with **Prof. Ari Ivaska** at the Analytical Chemistry Laboratory, Åbo Akademi University (Turku, Finland), on the synthesis and characterization of polyazulene films using Raman and in situ FTIR-ATR methods. I completed multiple short research fellowships there in **2003, 2004, 2005, 2006, 2007, 2008, and 2012.**

For April **2008**, specialization stage in sensors at Tor Vergata University, Rome, Italy. Professor Dr. **Giuseppe Palleschi**.

Specialization Training – University of Turku, Finland (Nov–Dec 2012)
Completed advanced training in **conducting polymers** under the supervision of **Professor Dr. Docent Carita Kvarnström.**

In July 2013, I completed a specialization training in microelectrode arrays at the Microelectronics Institute of Barcelona, under the supervision of **Dr. Francisco Javier del Campo.**

For May-June **2015**, specialization stage at UTINAM UMR Institute, Université de Franche-Comté, Besançon, Franţa. Research group: Prof. Dr. **Jean-Yves HIHN.**

In July 2016, I attended a short stage at the Faculty of Science, University of Cadiz, Spain, under the guidance of Professor **Jose Maria. Palacios.Santander**

In the summer of 2017 (June–July), I was invited as a specialist for a research stay at the Faculty of Science, University of Cádiz, Spain, where I worked with **Prof. José María Palacios Santander and Dr. Laura Cubilliana Aguilera.**

2017-2019 „Electrosynthesis and electroanalytical applications of nanocomposites materials based on conducting polymers" –Sofia, Bulgaria, **Prof. DSc Vessela Tsakova - Stancheva**

Postdoctoral Research Fellow – University of Rome "Tor Vergata" (2003-2004)

- Participated in the European project **"Novtech" (CT-2002-00186): *Novel Technology for Controlling Wine Production and Quality***, focused on developing biosensors and sensors for glucose determination in wines from various regions of Italy.
- Conducted analytical studies on ammonia detection in drinking water.

Short-Term Research Fellow – University of Rome "Tor Vergata" (2006, 2007, 2008)

- Completed multiple short research fellowships within the **Department of Chemical Science and Technology**, collaborating with **Professor Giuseppe Palleschi's group**

Additional information	**Books and chapter of books**
	• S. Lupu, C. Lete, C. Mihailciuc, A. C. Răzuş, L. Bîrzan, *Electrochemical sensors for clinical analysis and environment*, Ed. Printech, Bucharest, 228 pg., ISBN 978-606-521-053-0, Cod CNCSIS 54, **2008**. • M. Badea, M. C. Cheregi, C. Lete, S. Lupu, *Progress in sensors and biosensors for controlling food quality* Ed. Printech, Bucureşti, 180 pg., ISBN 978-606-521-086-8, Cod CNCSIS 54, **2008**. • S. Lupu, C. Lete, N. Totir, *Chemical modified electrodes*, Ed. Printech, Bucureşti, 152 pg., ISBN 973-652-483-3, Cod CNCSIS 54, **2001**. • S. Lupu, P. C. Balaure, C. Lete, C. Mihailciuc, *Biocomposite nanomaterials for electrochemical biosensors*, in Nano-aspects of Electrochemistry: Electrochemical Synthesis Methods, Properties and Characterization Techniques, Springer-Verlag GmbH, **2015**, invited chapter • S. Lupu, C. Lete, B. Lakard, J.-Y. Hihn, D. Sánchez–Molas, F. J. Del Campo, *Electrochemical deposition and patterning of composite nanomaterials for electrochemical sensors and biosensors* in Comprehensive Guide for Nanocoatings Technology, Nova Science Publishers, **2015**, invited chapter • J. J. García-Guzmán, D. López-Iglesias, M. Marin, C. Lete, S. Lupu, J. M .Palacios Santander, L.Cubillana-Aguilera, Electrochemical Biosensors for antioxidants, *Advanced Biosensors for Health Care: Materials and Applications"*, Elsevier **2019**
Annexes	

Data: 18.12.2025

Ph.D. Cecilia Lete