

Curriculum vitae



Personal information

Surname(s) / First name(s)	TURDEAN / Graziella Liana
Address(es)	11 Arany Janos, 400028 Cluj-Napoca, Romania
Telephone(s)	+402.64.5938.33, ext. 5715
Fax(es)	+402.64.59.08.18
E-mail	gturdean@chem.ubbcluj.ro
Nationality	Romanian
Date of birth	1965

Education and training

Dates	2015 (26 Aug. – 2 Sept., 1 week)
Title of qualification awarded	Research training, Erasmus+ Program
Name and type of organisation providing education and training	Faculty of Chemistry, University of Pisa (Italy)
Dates	2013 (17 - 21 June, 1 week)
Title of qualification awarded	Summer School on “Electrochemistry for Environmental and Biomedical Applications”
Name and type of organisation providing education and training	“Iuliu Hatieganu” University of Medicine and Pharmacy, Cluj-Napoca (Romania)
Dates	2011 (23 - 31 Oct., 10 days)
Title of qualification awarded	research stay: “Smart nanomaterials for chemically modified electrode”
Name and type of organisation providing education and training	University “Tor Vergata”, Rome (Italy)
Dates	2008 (16 - 22 Nov., 1 week)
Title of qualification awarded	research stay: “Advanced electrode architecture for food analysis”
Name and type of organisation providing education and training	University “La Sapienza”, Rome (Italy)

Dates	2004 (15 Apr. - 15 Oct., 6 months)
Title of qualification awarded	post-doc NATO-CNR fellowship
Name and type of organisation providing education and training	University "Tor Vergata", Rome (Italy)
Dates	2003 (18 June - 2 July, 2 weeks)
Title of qualification awarded	TS Socrates Mission in the field of Bio/electrochemistry
Name and type of organisation providing education and training	University "Tor Vergata", Rome (Italy)
Dates	2002 (1 March - 31 Aug., 6 months)
Title of qualification awarded	post-doc NATO-CNR fellowship
Name and type of organisation providing education and training	University "La Sapienza", Rome (Italy)
Dates	2000 (1 March - 31 Aug., 6 months)
Title of qualification awarded	post-doc Romanian MEN-fellowship
Name and type of organisation providing education and training	University "Tor Vergata", Rome (Italy)
Dates	1999 (Oct., 1 month)
Title of qualification awarded	research stay
Name and type of organisation providing education and training	University of Alcalá de Henares (Spain)
Dates	1997
Title of qualification awarded	PhD degree
Name and type of organisation providing education and training	"Babeş-Bolyai" University Cluj-Napoca (Romania), specialization "Physical Chemistry", diploma P/0006822 / Nr. 272/01.06.1998 and University Paris XII-Val de Marne (France), specialization "Sciences et Technique de l'Environnement" qualification " <i>tres honorable</i> ", diploma 97/43 / from 16.01.2001
Dates	1995 - 1997 (Apr., 3 months)
Title of qualification awarded	research stay
Name and type of organisation providing education and training	University of Perpignan (France)

Dates	1995 - 1997 (15 Febr. - 15 July, 15 months)
Title of qualification awarded	PhD – Bourse du Gouvernement Français
Name and type of organisation providing education and training	University Paris XII - Val de Marne, Créteil (France)
Dates	1992 - 1993 (Oct. - July, 9 months)
Title of qualification awarded	research stay (Diplome d'Etude approfondie (DEA) equivalent)
Name and type of organisation providing education and training	University Paris XII - Val de Marne, Créteil (France)
Dates	1992 (Nov., 2 weeks)
Title of qualification awarded	training cours "Capteurs enzymatiques"
Name and type of organisation providing education and training	CNRS, CREUFOP and Université de Perpignan (France)
Dates	1992 (June, 2 weeks)
Title of qualification awarded	International Course "Electrochemistry of Modern Sensors and their Applications in Chemical Analysis"
Name and type of organisation providing education and training	UNIDO and International Institute for Pure and Applied Chemistry, at University of Trieste (Italy)
Dates	1990 (March, June, Oct., 3 months)
Title of qualification awarded	postgraduated diploma in "Corrosion and anticorrosive protection"
Name and type of organisation providing education and training	Faculty of Chemistry and Chemical Technology, "Babeş-Bolyai" University
Dates	1989
Title of qualification awarded	Engineering diploma
Name and type of organisation providing education and training	Faculty of Chemistry and Chemical Technology, "Babeş-Bolyai" University Cluj-Napoca, (Romania), 9.67/10 (top of the class), diploma H/3780/ Nr. 55/ 26.06.1989

Work experience	
Teaching/research/industry	
Dates	2007 - present
Occupation or position held	Associate professor
Main activities and responsibilities	<u>Courses and practical works</u> in the field of Electrochemistry, Electrochemical Sensors, Bioelectrochemistry, Physical chemistry of polymers; Food conditioning, Physical chemistry of food preservation, “Smart” materials applied in
Main activities and responsibilities	environmental and biomedical, Material with ionic and molecular recognition properties, Advanced Physical Chemistry; <u>Research interest</u> in the field of: applied physical chemistry, nano/materials for electrodes, thermodynamics and kinetics of the chemical reaction by electrochemical methods, supramolecular and nanostructured redox bio/systems, electroanalytical chemistry (<i>i.e.</i> amperometric bio/sensors, electrochemical techniques of electrode process investigation); <u>Scientific co-ordinator</u> for bachelor's degree/master degree thesis
Name and address of employer	Faculty of chemistry and chemical engineering, Physical Chemistry Department (2007 - 2012), Chemical Engineering Department (2012 - present)
Type of business or sector	teaching
Dates	1999- 2007
Occupation or position held	Assistant professor
Main activities and responsibilities	<u>Courses and practical works</u> in the field of Electrochemistry, Thermodynamics, Electrochemical Sensors, Bioelectrochemistry, Physical chemistry of polymers; <u>Research interest</u> in the field of amperometric bio/sensors, electrochemical techniques of electrode process investigation; <u>Scientific co-ordinator</u> for bachelor's degree /master degree thesis.

Name and address of employer	Faculty of chemistry and chemical engineering, Physical Chemistry Department
Type of business or sector	teaching
Dates	1996-1996
Occupation or position held	assistant
Main activities and responsibilities	<u>Practical works</u> in the field of Electrochemistry, Thermodynamics, Electrochemical Sensors;
Main activities and responsibilities	<u>Research interest</u> in the field of amperometric bio/sensors, electrochemical techniques of electrode process investigation; <u>Scientific co-ordinator</u> for bachelor's degree thesis
Name and address of employer	Faculty of chemistry and chemical engineering, Physical Chemistry Department
Type of business or sector	teaching
Dates	1993-1995 /1995-1996
Occupation or position held	research assistant/scientific researcher
Main activities and responsibilities	research interest in the field of amperometric biosensors for glucose and hydrogen peroxide detection
Name and address of employer	Faculty of chemistry and chemical engineering, Electrochemistry Laboratory
Type of business or sector	Research
Dates	1991-1993
Occupation or position held	research assistant
Main activities and responsibilities	research interest in the field of amperometric sensors for oxygen detection
Name and address of employer	“Raluca Ripan” Chemistry Institute, Laboratory of electrochemical sensors, Cluj-Napoca
Type of business or sector	research
Dates	1989-1991

Occupation or position held	chemist engineer				
Main activities and responsibilities	Manufacturing process, interest in the field of galvanisation, anticorrosive protection and quality control of materials				
Name and address of employer	“Unirea” factory, Cluj-Napoca				
Type of business or sector	industry				
Personal skills and competences					
Mother tongue(s)	Romanian				
Other language(s)	French, English, Italian				
Self-assessment	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
	Language: EN	B1/B2	B1/B2	B1/B2	B1/B2
	Language: FR	C1/C2	C1/C2	C1/C2	B1/B2
	Language: IT	C1/C2	C1/C2	B1/B2	B1/B2
	Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user				
Social skills and competences	Good integration in a multicultural environments, in positions where communication is important and situations where teamwork is essential				
Organisational skills and competences	Coordination and management of budgets for CNCSIS-MEN projects (type AT and A)				
Computer skills and competences	Windows: Microsoft Office (Word, Excel, Power Point), Origin, Adobe Acrobat, Internet Explorer				
Other skills and competences	Driving licence B				
Research interests	nano/materials for electrodes, electrochemical investigation techniques of materials, bio/electroanalytical chemistry (bio/sensors), chemically modified electrodes				

Awards and distinctions

1. 2001 nominalization to Prix of “Groupe Francais de Bioelectrochimie” for “Young Researcher”, at Journées d’Electrochimie, 3-6 June 2001, Marrakech, Maroc.
2. Prize of “Babes-Bolyai” University for the book entitled: “Amperometric biosensors. Theory and Applications”, Presa Universitara Clujeana, Cluj-Napoca, 2005, Diploma 30305/23.03.2006.
3. Kovács G., Mureşan L., **Turdean G. L.**, Popescu I. C., Bolla Cs., *Modified electrodes for detection glucose from wine*, The 14th International Conference of Chemistry of the Hungarian Technical Scientific Society of Transylvania, University “Babeş-Bolyai”, Cluj-Napoca (Romania), 13-15 Nov. 2008, prize offered for oral communication by Kajtár Márton Foundation from Budapest (Hungary).
4. Silai I. E., **Turdean G. L.**, *Structure-electrochemical properties – antioxidant capacity correlation of some catecholamines investigated by cyclic and square-wave voltammetry*, The 16th Conference for students of Transylvania (ETDK), 20-21 May 2013, IInd prize for oral presentation.
5. Deac A.R., Cotet C. L., **Turdean G. L.**, Muresan L. M., *Simultaneous determination of Cd(II) and Pb(II) by square wave voltammetry based on carbon paste electrode modified with Bi doped carbon xerogel*, The 5th Regional Symposium on Electrochemistry of South-East Europe, Pravets, Bulgaria, 7-11 June 2015 (poster), prize for the best poster.

Relevant publications (last 7 years)

<http://www.scopus.com/results/results.url?sort=plf-f&src=s&st1=Turdean%2cG&sid=599FFC12CDA06A8EB094FCCCE20B66D9.mw4ft95QGjz1tIFG9A1uw%3a130&sot=b&sdt=b&sl=22&s=AUTHOR-NAME%28Turdean%2cG%29&origin=searchbasic&txGid=599FFC12CDA06A8EB094FCCCE20B66D9.mw4ft95QGjz1tIFG9A1uw%3a13>

Grants and projects as responsible	<ol style="list-style-type: none"> 1. “Multi-layers architectures based on supramolecular systems for assembling third generation biosensors”, 2001-2002, CNCSIS-A_T, 5/188/2001. 2. “Amperometric biosensors of third generation for detecting organophosphorous pesticides”, 2001-2002, MCT-ANSTI, B19/2001. 3. “ “Smart” electrode materials with supramolecular structures for detecting nitrites”, 2004-2006, CNCSIS- A, 55/375/2004. 4. “Nanocomposite electrode materials based on carbon nanotubes for nitrites detection”, 2007-2008, CNCSIS –A, 1529/2007.
Grants and projects as member	<ol style="list-style-type: none"> 1. “Comprehensive evaluation of redox activity and lipophilicity for biogenic amines and related compounds”, PN-II-ID-PCE-2011-3-0366, 2011-2015, coordinator: prof. dr. C. Sarbu 2. „Biofunctionalised nanoparticles for developing new methods for imaging, detection, diagnostic and molecular therapy in biological media (NanoBioFun)”, PNII_ID_PCCE_129/2008, 2010-2013, coordinator: prof. dr. S. Astilean 3. „Performant doctoral program for sustaining high quality human resources formation for interdisciplinary scientific research”, scientific expert, POSDRU/21/1.5/G/36154/2010-2012, coordinator: prof. dr. S. Simon 4. „Sensors and apparatus for food quality control (SENSALIM)”, PNII-71-098/2007, 2007-2010, coordinator: prof. dr. I. C. Popescu
Affiliation	<ol style="list-style-type: none"> 1. Roumanian Chemical Society 2. Roumanian Electrochemical Society 3. Romanian Chemical Engineering Society 4. International Society of Electrochemistry 5. Groupe Français de Bioélectrochimie

Cluj-Napoca, the 22th of March 2016

assoc. prof. dr. eng. Graziella L. TURDEAN