



Curriculum Vitae

Personal information

Surname(s) / First name(s) **TURDEAN / Graziella Liana**
 Address(es) 11 Arany Janos, 400028 Cluj-Napoca, Romania (Europe)
 Telephone(s) +402.64.59.38.33 ext. 5715
 Fax(es) +402.64.59.08.18
 E-mail gturdean@chem.ubbcluj.ro
 Nationality Romanian
 Date of birth 1965

Education

Dates	2016, 14 July
Title of qualification awarded	Habilitation attestation in the Chemical Engineering
Name and type of organisation providing education and training	Order of Ministry of Education and Scientific Research no. 4836/11.08.2016 Thesis title " <i>Bio/molecular information processing of the fascinating world of nanostructures: from micro- to "smart" electrodes</i> "
Dates	2004 (15 Apr. - 15 Oct., 6 months)
Title of qualification awarded	post-doc stage, NATO - Centro Nazionale della Ricerca fellowship
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 stage, NATO - Centro Nazionale della Ricerca 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 stage, Romanian Ministry of National Education - fellowship
Name and type of organisation providing education and training	University "Tor Vergata", Rome (Italy)
Dates	1997
Title of qualification awarded	PhD diploma (co-tutelle)
Name and type of organisation providing education and training	"Babeş-Bolyai" University Cluj-Napoca (Romania), specialization "Physical Chemistry" (Diploma P, no. 0006822 / no. 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 no. 97/43/16.01.2001) Thesis: "Amperometric biosensor for the study of inhibition of acetylcholinesterase"
Dates	1995 - 1997 (Apr., 3 months)
Title of qualification awarded	PhD research stage
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	Ph.D research stage financed by Bourse du Gouvernement Francais fellowship (French Ministry of Education)
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); financed by Bourse du Gouvernement Francais fellowship (French Ministry of Education)
Name and type of organisation providing education and training	University Paris XII - Val de Marne, Créteil (France)
Dates	1984 - 1989
Title of qualification awarded	Chemical Engineering diploma (series H, no. 3780 / no. 55/26.06.1989), 9.67/10 (top of the class), mark 10 to final examination Title: "Plant for simultaneous preparation of Mn and MnO ₂ by electrolysis with a production capacity of 2000 tone Mn/year and 3000 tone MnO ₂ /year"
Name and type of organisation providing education and training	Faculty of Chemistry and Chemical Technology, "Babeş-Bolyai" University Cluj-Napoca, (Romania)
Dates	1980 - 1984
Title of qualification awarded	Diploma of baccalaureate (series C, no. 71222/ no. 29/1984/06.07.1984)
Name and type of organisation providing education and training	High school "Emil Racoviță", Cluj-Napoca
Training	
Dates	2015 - present
Title of qualification awarded	ERASMUS, training/teaching staff program
Name and type of organisation providing education and training	<ul style="list-style-type: none"> Faculty of Chemistry and Chemical Technology, Al-Farabi Kazakh National University (Almaty, Kazakhstan) (1 week, July 2017) Faculty of Chemistry, Escuoala Superior Polytecnico di Riobamba (Riobamba, Ecuador) (1 week, June 2017) Faculty of Chemistry, University of Cagliari (Cagliari, Italy) (1 week, May 2016) Faculty of Chemistry and Chemical Technology, Al-Farabi Kazakh National University (Almaty, Kazakhstan) (1 week, June 2016) Faculty of Chemistry, University of Pisa (Italy) (1 week, Sept 2015)
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, Cluj-Napoca
Dates	2011 (20 Oct - 2 Nov., 2 weeks)
Title of qualification awarded	research stage
Name and type of organisation providing education and training	University "La Sapienza", Rome (Italy)
Dates	1999 (Oct., 1 month)
Title of qualification awarded	research stage
Name and type of organisation providing education and training	University of Alcalá de Henares (Spain)
Dates	1992 (Nov., 2 weeks)
Title of qualification awarded	training course "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	postgraduate diploma in "Corrosion and anticorrosive protection", (Diplome serie B, no. 1499/ nr.249/16.10.1990)
Name and type of organisation providing education and training	Faculty of Chemistry and Chemical Technology, "Babeş-Bolyai" University

Work experience Teaching/research/industry	
Dates	2007 - present
Occupation or position held	Associate professor
Main activities and responsibilities	<p><i>Courses and practical works</i> in the field of</p> <p><i>Physical Chemistry:</i> Advanced Physical Chemistry; Physical chemistry of polymers; Physical chemistry of food preservation; Electrochemistry; Electrochemical Sensors; Bioelectrochemistry;</p> <p><i>Material Science:</i> "Smart" materials applied in environmental and biomedical; Material with ionic and molecular recognition properties; Macromolecular Materials and their biodegradability;</p> <p><i>Other:</i> Food conditioning in food industry;</p> <p><i>Research interest</i> in the field of: applied physical chemistry, thermodynamics and kinetics of the chemical reaction by electrochemical methods, nano/materials for electrodes, supramolecular and nanostructured redox bio/systems, electroanalytical chemistry (i.e. amperometric bio/sensors, electrochemical techniques of electrode process investigation);</p> <p><i>Scientific co-ordinator</i> for licence/master degree thesis, PhD coordinator.</p>
Name and address of employer	Faculty of chemistry and chemical engineering, Physical Chemistry Department (2007 - 2012), Chemical Engineering Department (2012 - present); Research Centre in Electrochemistry and Non-conventional Materials (director: prof. dr. Liana MURESAN)
Type of business or sector	teaching
Dates	1999 - 2007
Occupation or position held	Assistant professor
Main activities and responsibilities	<p><i>Courses and practical works</i> in the field of</p> <p><i>Physical Chemistry:</i> Thermodynamics; Physical chemistry of polymers; Electrochemistry; Bioelectrochemistry; Electrochemical Sensors; ,</p> <p><i>Research interest</i> in the field of amperometric bio/sensors, electrochemical techniques of electrode process investigation;</p> <p><i>Scientific co-ordinator</i> for licence /master degree thesis.</p>
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	<p><i>Practical works</i> in the field of</p> <p><i>Physical Chemistry:</i> Thermodynamics; Electrochemistry; Electrochemical Sensors;</p> <p><i>Research interest</i> in the field of amperometric bio/sensors, electrochemical techniques of electrode process investigation;</p> <p><i>Scientific co-ordinator</i> for licence degree thesis.</p>
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	<i>Research interest</i> 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	<i>Research interest</i> 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 electroplating, anticorrosive protection and quality control of materials																																											
Name and address of employer	"Unirea" enterprise, Cluj-Napoca																																											
Type of business or sector	industry																																											
Institutional management																																												
Dates	2016 - present																																											
Occupation or position held	Head of Department of Chemical Engineering																																											
Main activities and responsibilities	following Regulation UBB, Carta UBB and Educational Law 1/2011																																											
Dates	2016 - present																																											
Occupation or position held	Expert ARACIS, Commission 10 Engineering Sciences																																											
Main activities and responsibilities	Evaluation of the quality in academic education																																											
Dates	2012 - present, 2 legislature																																											
Occupation or position held	Member in Faculty Council President of the Curricula Commission of Faculty Council																																											
Main activities and responsibilities	following Regulation UBB, Carta UBB and Educational Law 1/2011																																											
Dates	2007																																											
Occupation or position held	Secretary of admission commission																																											
Main activities and responsibilities	Organization of admission for the academic year 2007-2008																																											
Dates	1996 - present																																											
Occupation or position held	Member /secretary in commission of admission at bachelor/master level Member /secretary in commission de final examination at bachelor/master level																																											
Main activities and responsibilities	following Regulation UBB, Carta UBB and Educational Law																																											
Personal skills and competences																																												
Mother tongue(s)	Romanian																																											
Other language(s)	French, English, Italian																																											
Self-assessment	<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2"></th> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>Language</td> <td>EN</td> <td>B1/B2</td> <td>B1/B2</td> <td>B1/B2</td> <td>B1/B2</td> <td colspan="2">B1/B2</td> </tr> <tr> <td>Language</td> <td>FR</td> <td>B1/B2</td> <td>B1/B2</td> <td>B1/B2</td> <td>B1/B2</td> <td colspan="2">B1/B2</td> </tr> <tr> <td>Language</td> <td>IT</td> <td>B1/B2</td> <td>B1/B2</td> <td>B1/B2</td> <td>A1/A2</td> <td colspan="2">A1/A2</td> </tr> </tbody> </table>						Understanding		Speaking		Writing				Listening	Reading	Spoken interaction	Spoken production			Language	EN	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2		Language	FR	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2		Language	IT	B1/B2	B1/B2	B1/B2	A1/A2	A1/A2	
		Understanding		Speaking		Writing																																						
		Listening	Reading	Spoken interaction	Spoken production																																							
Language	EN	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2																																						
Language	FR	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2																																						
Language	IT	B1/B2	B1/B2	B1/B2	A1/A2	A1/A2																																						
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 administration of CNCSIS-MEN projects (type At and A) and budgets																																											
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																																												
Material science: bio-nano-materials having redox properties for electrode preparation; Physical Chemistry: electroanalytical chemistry (sensors and biosensors), modified electrode, electrochemical investigation techniques, bioelectrochemistry.																																												

Awards and distinctions	<p>2015, Deac A.R., Cotet C. L., Turdean G. L., Muresan L. M., <i>Simultaneous determination of Cd(II) and Pb(II) by square wave voltammetry based on carbon paste electrode modified with Bi doped carbon xerogel</i>, The 5th Regional Symposium on Electrochemistry of South-East Europe, Pravets, Bulgaria, 7-11 June 2015 (poster), prize for the best poster.</p> <p>2013, Silai I. E., Turdean G. L., <i>Structure- electrochemical properties – antioxidant capacity correlation of some catecholamines investigated by cyclic and square-wave voltammetry</i>, The 16th Conference for students of Transylvania (ETDK), 20-21 May 2013, IInd prize for oral presentation</p> <p>2008, Kovács G., Mureşan L., Turdean G. L., Popescu I. C., Bolla Cs., <i>Modified electrodes for detection glucose from wine</i>, 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).</p> <p>2006, Price of "Babes-Bolyai" University for the book: «Amperometric biosensors. Theory and Applications», Presa Universitara Clujeana, Cluj-Napoca, 2005;</p> <p>2001, Nominalization to "Prix du Groupe francais de bioelectrochimie pour jeunes chercheurs" at «Journées d'electrochimie» Symposium, 3-6 iunie 2001, Marrakech, Maroc.</p>
Relevant publications (last 7 years)	<p>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</p>
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-A₁, tema nr. 5, cod CNCSIS 188. 2. "Amperometric biosensors of third generation for detecting organophosphorous pesticides", 2001-2002, MCT-ANSTI, tema B19. 3. "Smart" electrodic materials with supramolecular structures for detecting nitrites", 2004-2006, CNCSIS- A, tema 55/375. 4. "Nanocomposite electrodic materials based on carbon nanotubes for nitrites detection", 2007-2008, CNCSIS –A, cod 1529/2007.
Grants and projects as member	<ol style="list-style-type: none"> 1. „Biofunctionalized 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. 2. „Sensors and apparatus for food quality control (SENSALIM)", PNII-71-098/2007, 2007-2010, coordinator: prof. dr. I. C. Popescu. 3. „Advanced 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.
Affiliation	<ol style="list-style-type: none"> 1. Romanian Chemical Society 2. Romanian Electrochemical Society 3. Romanian Chemical Engineering Society 4. International Society of Electrochemistry 5. Groupe Français de Bioélectrochimie

Cluj-Napoca, the 15th of January 2018



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