



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Geta CÂRÂC**
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E-mail getac@ugal.ro, getacc_2000@yahoo.com
Nationality Romanian
Date of birth 03.02.1957

Desired employment **Dunarea de Jos University of Galati://www.ugal.ro**
Occupational field **Analytical Chemistry, Applied Electrochemistry, Material Science**

Work experience

Dates	1990- present
Occupation or position held	Full Professor (2016-Habital) Associate Professor Lecturer Assistant Professor
Main activities and responsibilities	Teaching and research activities in fields: applied electrochemistry: micro – nanostructured advanced materials, composite coatings, metal matrix, oxides, micro and nanoparticles; analytical chemistry (conventional and nonconventional methods); food: chemistry and biological analysis; environmental: water, waste.
Name and address of employer	“Dunarea de Jos” University of Galati, Domneasca 47, 800008
Type of business or sector	Higher Education Establishments
Dates	1981-1984; 1986-1990
Occupation or position held	trainee chemist, laboratory chief (1981-1984); Chief Technical Quality Control office (1986-1990)
Name and address of employer	Braila, Artificial Fibers and Papers Plant (name S.C. Dunacor S.A. Braila after 1990)
Type of business or sector	chemistry industry
Dates	1980-1981; 1984-1986
Occupation or position held	Chemistry Teacher
Name and address of employer	-Informatics Lyceum, Iasi; N. Iorga, College, Braila.
Type of business or sector	High School

Education and training

from 1990-present employment at the Department of Chemistry, Physics and Environment (Faculty of Sciences and Environment) „Dunarea de Jos” University of Galati; Romania (<http://www.ugal.ro>)
 2007-present Full Professor
 2000-2007 Associate Professor
 1992-2000 Assistant Professor (Lecturer)
 2000-2002 Associate Professor Ph. D. student

December 1999- March 1992 Ph. D in Material Sciences, „Dunarea de Jos” University of Galati, RO
 June 1981- September 1976 Licentiate in Chemistry, Iasi, RO
 June 1976 - September 1972 Diploma of School leaving examination, “Spiru Haret”, College, Tecuci, RO

Title of qualification awarded

- **Ph.D in Material Science**
- Qualification (advanced study) in Physical-Chemistry
- Licentiate in Chemistry
- Diploma of school-leaving examination

Principal subjects/occupational skills covered

Chemical and electrochemical deposition in metallic systems (metals, alloys, composites): codeposition with oxides particles: effects of the particles size (micro and nanodimensions); structural aspects (SEM, AFM), material functional characteristics and mechanical properties; *electrochemical processes of codeposition* with ceramic particles in metallic matrix and alloys to obtain composite layers; surfaces-interface chemistry; electrochemical corrosion, biocorrosion, studies of organic compounds using UV-VIS, IR, RMN, HPLC/MS; CV, food chemistry analysis; waste and water analysis.

Name and type of organisation providing education and training

1992-1999: Romania, “Dunarea de Jos” University of Galati: **Ph D Thesis in Material Science**
1980 – 1981 – Romania, The Polytechnic Institute, Iasi, Faculty of Chemistry and Chemical Technology, Physical-Chemistry.
1980 –1985 – Romania, The Polytechnic Institute, Iasi, Faculty of Chemistry and Chemical Technology, Chemistry.

Personal skills and competences

2006-2009 Coordinator of **WG2 (EU), COST Action D33** project - *Chemistry, Nanoscale Electrochemical and Bio-processes (Corrosion) at Solid-aqueous Interfaces*
 2008-present Scientific Representing of S.C. SETCAR.S.A. Braila, www.setcar-braila.ro
 2005-2007 Manager European Excellence Centre for the Environment (Qualification PHARE RO 9706.01.02, www.ecee.ugal.ro)
 2007-2010 Technical Manager: Competences Center: Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES), Senate decision 608/20.03.2007, www.cc-ites.ugal.ro.
 2002-2009 Participation in Management Committee (MC) in COST Projects (ESF)
 from 2005 Associate Collaborator at the S.C. SETCAR.S.A. Braila (major field: environmental www.setcar-braila.ro)
 knowledge of Windows, Microsoft Office, Chemwind, ChemDraw, Isis Draw and Internet navigation

Other language(s)

Self-assessment

European level (*)

Language

Language

		Understanding				Speaking				Writing	
		Listening		Reading		Spoken interaction		Spoken production			
En	B2	En	B2	En	B2	En	B2	En	B2	En	B2
R	B1	R	B2	R	B1	R	B1	R	B1	R	B1

Other skills and competences

	Good experience on grants management: European Commission. R D – General Expert EU (EX2002B015093), 2018- Health Research HR2017; 2002-Present 2016- FP7-NMP-ENV- NMBP-06-2016; 2014- FP7- PEOPLE-CHE, 2013- FP7-PEOPLE-CHE; FP7-NMP- 2013; 2012- FP7-NMP-2013-SME-7; 2009- FP7-NMP-ENV; 2004- FP6-CRAFT.
2005 – present	INTAS Independent Expert ID5730.
2004 – present	CNCSIS and CEEEX (Romanian National University Research Council) Scientific Project Evaluator (included in the National Register of Experts http://www.mct-excelenta.ro/fileadmin/mct/Expertii_2006/BAZA_EXPERTII_CEEEX_2005_literele_A_C.html
2001-2019	Participations on COST Actions: COST Action 520: Biofouling and Materials; COST Action 521: Corrosion of steel in reinforced structures, COST Action D19 Chemical functionality specific to the nanometric scale, COST Action D33: :Nanoscale Electrochemical and Bio-processes(corrosion) at Solid Aqueous Interface of Industrial Materials, COST Action 533: Materials for improved Wear Resistance of Total Artificial Joints, COST D33-Chemistry, COST Action MP1407
2002-2019	Programme committee expert: COST Management Committee (MC): COST Actions: 2006-2009 in COST D33 – COST Action 533; 2006-2009 Action 533 - 2004-2006 in Action D19, 2005-2009 in COST D33- Chemistry, 2015-2019 in COST Action MP1407.
from 2006	Scientific referents: Corrosion Science, Surface and Coatings Technology; International Biodeterioration & Biodegradation; Journal of Applied Electrochemistry; Corrosion in Science; Materials Chemistry and Physics, Journal of Alloy and Compounds; Electrochimica Acta Portugal; Arabian Journal of Chemistry; Bulgarian Chemical Communications; ZPC, Open Corrosion Journal; Foods Additives & Contaminants, Parlar Scientific etc.
2002-2004	Research Director of International Collaborative Project with Germany: COPBIL RO 014
2004-2006	Peer Review -PhD thesis from India (6 thesis)
June 2003	
June 2004	Summer School, Grant NATO with Tufts University (USA); “The Keys to Rapid and Cost Effective Hazardous Waste Site, Investigation and Cleanup”, Galati-Romania, certification. NATO program: “Conservation and Sustainable Development of River Mouth Ecosystems, Wetlands and Lagoons”, Galati-Romania, certification
2011, 2008, 2005	
2004-2009	Member Scientific conferences: Chemistry Colloids and Surfaces, International Symposium Galati-RO Member of Faculty of Science Council Team work skills.
Competences in	<ul style="list-style-type: none">▪ analytical, electrochemical and structural analysis of compounds, new materials; characterisation of advanced materials; nanostructures, nanocomposites, nanowires etc.; surfaces-interface chemistry; electrochemical corrosion, biocorrosion, studies of organic compounds using e.g. UV-VIS, IR, RMN, HPLC/MS; CV, food chemistry analysis; waste and water analysis.▪ applied electrochemistry: material functional characteristics and mechanical properties; electrochemical processes of codeposition with ceramic particles in metallic matrix and alloys to obtain composite layers; micro – nanostructured advanced materials, composite coatings, metal matrix, oxides, micro and nanoparticles; analytical chemistry (conventional and nonconventional methods).▪ chemical and electrochemical deposition (and another modern techniques) in metallic systems (metals, alloys, composites): codeposition with different dispersed phases (e.g. oxides particles, carbides, polymers): effects of the particles size (micro and nanodimensions); structural (by e.g. SEM, AFM, TEM) and mechanical characterisation (e.g. roughness, hardness).
Membership	<ul style="list-style-type: none">- Member at the Electrochemistry International Society (from 2000– present);- Member al Romanian Society of Chemistry (from 1998- present);- Member of “<i>European Centre of Excellence for the Environment</i>” of „Dunarea de Jos” University of Galati,- Member of the Romanian Society of Biotechnology and Bioengineering (RSBB), which is affiliated to the European Federation of Biotechnology (EFB) (from 2008-present).

Fellowships/grants

- 1992 -1999 Ph. D Thesis on Materials Science: *Physical-Chemistry Study of the Some Composite Coatings with Lanthanide Oxides.*
- 1994: 3 months Scholarship at Sophia Kliment Ohridski University, Faculty of Chemistry, Bulgaria
- 1998: 2 months Tempus scholarship, mobility in education to Dresden Technical University, Germany
- 20th July- 19th Aug 2004 STSM in COST D19 (D19/009/03), subproject in Working Group 13.: Host's Name and Institution: P. Bonora, Universita di Trento, Italy.
- 18th-29th Feb. 2008 COST D33: ONLINE_STSM-D33-2446, Host's Name and Institution: A. Ramanavicius, Vilnius University, Lithuania
- 18th-22th Feb. 2008 Lecturer invited in "Synthesis of Nanomaterials" at International Nanotechnology School on "*Nanostructured Materials for Biosensors and Medicine*", Vilnius, Lithuania.

Additional information

Prof. Dr. Andreas Bund
Technische Universität Ilmenau
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Annexes List of papers

Geta Cărac