



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)	BENEÀ LIDIA		
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Nationality	Romanian		
Gender	F		

Actual position / Institution / Domain

University Professor Ph.D., Dun rea de Jos University of Galati, Faculty of Engineering, 47 Domneasca St., 800008, GALATI, Romania, Phone: +40 236 460754, Fax: +40 236 461353;
Doctoral (Ph.D.) Studies Supervisor in Engineering Science / Materials Science and Engineering - Advanced Materials.
www.ugal.ro
Manger of Competences (Research) Centre Interfaces – Tribocorrosion – Electrochemical Systems (CC-ITES)
www.cc-ites.ugal.ro

Scientific interests Expertise domains

Applied Electrochemistry to materials science, engineering and environments: electrochemical methods for preparation of nano structured composite coatings, hybrid (inorganic – organic) layers, surface modifications, thin oxide layers, functional surfaces to improve corrosion and tribocorrosion of materials in specific environments, advanced materials, nanomaterials, micro and nanoparticles, electrochemical studies of nano (bio) electrode / environments solution interfaces, electrochemical corrosion and tribocorrosion. **Polymeric materials** used in membrane systems for nanofiltration, transdermic drug delivery or implant materials. **Characterization of materials surfaces:** Structural, morphological, compositional, micro topographic and mechanical studies of material surfaces (SEM-EDX, AFM, ultrahigh microtopography, microhardness).

Work experience

Dates	January 1991 – These days
Occupation or position	University Professor (Ph.D.) and Senior Researcher.

held	<p>General Manager CC-ITES – Competences Center Interfaces – Tribocorrosion and Electrochemical Systems (CC-ITES). www.cc-ites.ugal.ro .</p> <p>Supervisor Doctoral (Ph.D.) Studies: Materials Engineering.</p> <p>Associate Professor Ph.D.</p> <p>Lecturer Ph.D.</p> <p>Professor Assistant.</p>
Main activities and responsibilities	<p>Teaching (licence; master; doctoral degrees) and Research (fundamental and application research). International programs.</p> <p>Licence courses:</p> <p>Chemistry lectures (general and inorganic); Chemical Technology; Corrosion and Corrosion Protection. Technical Methods for Chemical Analysis; Crystallography; Physical Chemistry - Applied Electrochemistry.</p> <p>Master courses:</p> <p>Fundamentals of Metal Electrodeposition; Micro and Nano Structued Composite Coatings; Advanced Materials; Strategies and European Projects in the domain of Nanotechnologies and Nanomaterials.</p> <p>Environmental Impact of Materials Degradation; Interface materials - environment; Interactions material - tissue.</p> <p>Supervisor master degree in Nanotechnologies and Multi-Functional Materials; Interactions material - tissue.</p> <p>Ph.D. Courses:</p> <ul style="list-style-type: none"> -Electrochemical techniques and methods to study and evaluate materials degradation in specific environments. -Academic writing for complementary fields of fundamental sciences and engineering and research project management. Preparation of a research plan / project. -Ethics and academic integrity in the field of fundamental sciences and engineering. Ethics of scientific research. <p>Supervisor Ph.D. Thesis.</p> <p>Domain of Engineering Science - Materials Engineering.</p> <p>Organising of laboratory practice for: Chemistry, Corrosion and Corrosion Protection; Electrodeposition; Materials Characterization by electrochemical methods.</p> <p>Bilateral Agreements with International Universities for students and academic staff mobility. Ecole Centrale Paris - France; Katholieke Universiteit Leuven-Belgium; Trento University- Italy; Minho University- Portugal; Aquila University - Italy; Duisburg Essen University - Germany.</p> <p>Fundamental and applied research: Obtaining and characterization of micro and nanostructured composite coatings; Thin oxide layers; Mechanism and kinetic of materials degradation; Corrosion; Biocorrosion; Tribocorrosion; Surface modification by electrochemical methods; Biomaterials and Biocoatings., Biocompatibility.</p> <p>European Research Programs and Actions.</p> <p>ESF-COST Actions: Member of Management Committee of European Projects in the Chemistry and Materials Domains: ESF – COST: 520, 521, 533, 532, D19, D33.</p> <p>Vice Chair of COST D33 Action.</p> <p>International Bilateral Research Projects with Ecole Centrale Paris (France); Katholieke Universiteit Leuven (Belgium).</p>
Name and address of employer	<p>Dunarea de Jos University of Galati, Faculty of Metallurgy, Materials Science and Environment.</p> <p>Faculty of Materials Engineering and Environment.</p>

Type of business or sector	Faculty of Engineering. 47 Domneasca Street, 800008 Galati, Romania. University Engineering School (Faculty) in Metallurgy, Materials Science and Environment.
Dates	Jun 2000-Jun 2001; September - December 2001; February 2002; September- December 2002; January – December 2003; September 2003 - December 2003; February 2004; May-Jun 2004; Jun – July 2005; Jun – July 2006; December 2007; December 2008; Jun-July 2009; Jun- July 2010; October 2011; July 2013, Jun - July 2014.
Occupation or position held	Invited (Visiting) Professor and Invited Researcher..
Main activities and responsibilities	Teaching and Research Applied Electrochemistry. Electrodeposition of metals alloys and nanostructured composite. Corrosion and corrosion protection. Tribocorrosion of nanostructured composite coatings and passivable metals and alloys. Research and laboratory courses. Supervisor of master students and research projects on experimental methods and materials for human implants. Resin-modified glass ionomer restorative material for tooth structures. Composite coatings obtained by electrochemical co-deposition. Supervisor joint PhD Thesis.
Name and address of employer	ECOLE CENTRALE PARIS, Grand Voie des Vignes, 92295 Chatenay Malabry cedex, France.
Type of business or sector	University – Engineering School.
Dates	March 1999 - Jun 2000, July 2001, July – August 2004, May 2007.
Occupation or position held	Invited professor. Invited Senior Researcher.
Main activities and responsibilities	Course in English: on Surface treatments to improve the corrosion and wear resistance of materials. Laboratory Practice Organization: Electrodeposition of composite coatings; Evaluation of corrosion behaviour of materials and coatings. Research work on Electrocodeposition of ceramic nano-crystals with metals and properties investigations (wear-corrosion, SEM, XRD, electrochemical corrosion) of obtained composite coatings. Materials Engineering.
Name and address of employer	Trento University, Department of Materials Engineering, Via Mesiano 77, 38050 Trento, Italy
Type of business or sector	University – Engineering School.
Dates	October - November 1999
Occupation or position held	Post doctoral Research Grant of French Government.
Main activities and responsibilities	-Research on composite coatings from preparation to characterization. -Research on electrochemical techniques (EIS) to study the electro-codeposition mechanism and kinetic of nanoparticles with metals.
Name and address of	CNRS, UPR 15, Laboratory “Physique des Liquides et Electrochimie”,

employer	Université Pierre et Marie Curie (Paris VI), 4 Place Jussieu, 75252 Paris Cedex 05, France.
Type of business or sector	University Pierre et Marie Curie Paris - France.
Dates	March 1998 - December 1998
Occupation or position held	NATO Post Doc Research Grant in the Research Domain of Composite coatings and Electrochemical Methods of Surface modification and Characterization.
Main activities and responsibilities	Research on Electrochemical and Wear Corrosion of Composite Coatings Obtained by Electrodeposition.
Name and address of employer	ECOLE CENTRALE PARIS, Grand Voie des Vignes, 92295 CHATENAY Malabry cedex, France.
Type of business or sector	Engineering University.
Dates	March - July 1997
Occupation or position held	TEMPUS INDIVIDUAL MOBILITY GRANT, from European Community to improve the courses in Chemistry, Electrochemistry and Corrosion.
Main activities and responsibilities	Research on Corrosion Study of Concrete Reinforcing Steel by Impedance Spectroscopy and Linear Polarisation Methods.
Name and address of employer	ECOLE CENTRALE PARIS, Grand Voie des Vignes, 92295 CHATENAY Malabry cedex, France.
Type of business or sector	Engineering University.
Dates	1980 - 1990
Occupation or position held	Researcher, Senior Researcher, Laboratory head.
Main activities and responsibilities	Research Projects Director. Electrochemistry, Corrosion, Surface Finishing, Protective Coatings and Materials Science from technology to industrial application. Partial work: Assistant Professor "Dunarea de Jos" University of Galati. Teaching activity: Corrosion and Protection, Electrochemical Processes, Physical Chemistry, Crystallography, New performed materials and General and Inorganic Chemistry for engineering degree.
Name and address of employer	Research Institute for Steel Plate and Metal Coatings (I.C.P.P.A.M.) of Galati, Romania.
Type of business or sector	Research Institute (R&D).
Dates	1977 - 1980
Occupation or position held	Chemist From Technical Office to head of Laboratory for Quality Control.
Main activities and responsibilities	Work organizer. Laboratory analysis: water, chemical products. Water technology demineralization. Water technology purification. Ammoniac, sulphuric acid, phosphoric acid and urea technology

Name and address of employer	fabrication. Chemical Fertilisers Factory, in the city of Bacau, Romania.
Type of business or sector	Chemical Industry.

Education and training

Dates	1991 - 1996
Title of qualification awarded	DOCTOR OF SCIENCE IN CHEMISTRY. DIPLOMA Series N No. 001335 Doctor Degree (Ph.D. – Doctor of Philosophy)
Principal subjects/occupational skills covered	Ph.D Studies. Materials. Electrochemical Impedance Spectroscopy Method to Study the Composite Coating Codeposition and Electrochemical Corrosion. Comparative Surface Morphology of Metal and Composite Coatings obtained by Electrodeposition, Comparative Corrosion Properties of Modified Surfaces.
Name and type of organisation providing education and training	Dunarea de Jos University, Faculty of Metallurgy and Materials Science, 47 Domneasca street, 80000 Galati, Romania. University Doctoral School. Doctoral studies.
Level in national or international classification	DOCTOR OF SCIENCE IN CHEMISTRY. Doctor Degree (Ph.D. Doctor of Philosophy). Thesis: Obtaining and Structural Analysis of Composite Coating Materials.
Dates	1994 - 1995 (Government Grant for doctoral studies and degree research work).
Title of qualification awarded	To whom it may concern for the work done on PhD research subjects (Attestation - Certificate).
Principal subjects/occupational skills covered	Postgraduate studies in Physical Chemistry - Electrochemistry focusing on: -Electrochemical impedance spectroscopy and potentiodynamic measurements to obtain and characterise the composite coatings materials. -Scanning Electron Microscopy (SEM) and X-ray Energy Dispersive Analyse (EDS).
Name and type of organisation providing education and training	Eötvös Lorand University of Budapest and Hungarian Academy of Sciences, Hungary Department of Physical Chemistry; H-1518 BUDAPEST 112; Po Box 32.
Level in national or international classification	Doctoral scholarship (Grant). Scientific Reports: Review of composite coatings materials; Thermodynamic and kinetic of metals electrodeposition; Structural methods for coating analysis. Electrochemical methods for surfaces investigation.
Dates	1985 - 1986
Title of qualification awarded	Postgraduate - Post-universities (Master) Diploma in <i>Corrosion and Corrosion Protection</i>:

Principal subjects/occupational skills covered	<p>DIPLOMA Series B No.2392.</p> <ul style="list-style-type: none"> -Fundamentals of Corrosion. -Surface Finishing and Protective Coatings. -Electrochemical Methods for Corrosion Research. -Electrodeposition Studies for Alloys Electro crystallisation Mechanism. -Corrosion Inhibitors.
Name and type of organisation providing education and training	Polytechnica University of Bucharest, Faculty of Chemical Engineering Calea Grivitei 132; 78122 BUCHAREST, Romania.
Level in national or international classification	Post university (Master Degree) - Corrosion and Corrosion Protection. Thesis: Zn-Fe alloys obtained by electrodeposition.
Dates	1978
Title of qualification awarded	Quality Assurance Certificate. Certificate number: 9912/28-11-1978.
Principal subjects/occupational skills covered	<p>Fiability, maintenance, quality control, quality assurance in industrial chemistry.</p> <p>Analytical methods for quality control.</p> <p>Assurance Quality laws.</p>
Name and type of organisation providing education and training	Polytechnica University of Bucharest, Faculty of Chemical Engineering. Calea Grivitei 132; 78122 BUCHAREST, Romania.
Level in national or international classification	Certificate (Attestation) of skills obtained in Quality Assurance for Chemical Industry. Thesis: Statistic methods to improve the quality control of sulfuric acid production.
Dates	1972 - 1977
Title of qualification awarded	M.S. IN CHEMISTRY. Faculty Degree in Chemistry. DIPLOMA No.493/ 06.03.1978 With the Senate Recommendation for research work and skills.
Principal subjects/occupational skills covered	<p>Faculty Student in Chemistry. University Degree. Diploma in Chemistry.</p> <ul style="list-style-type: none"> -General Chemistry; Inorganic Chemistry; Organic and Macromolecular Chemistry; Chemical technologies; Analytical Chemistry; Electrochemistry; Applied Mathematics; Applied Physics; -Catalytic processes. -Physical Chemistry. -Surface Chemistry. Organo-metallic Chemistry.
Name and type of organisation providing education and training	Polytechnic University of Bucharest, Faculty of Chemistry. Calea Grivitei 132; 78122 BUCHAREST, Romania.
Level in national or international classification	M.S. IN CHEMISTRY. Diploma of Bachelor's degree in Chemistry. Thesis: Obtaining and adsorption properties of silicon oxide particles for using in the catalytic area.
Dates	1959 - 1971

Title of qualification awarded	High SCHOOL LEAVING DIPLOMA. Diploma Series E No. 16765.
Principal subjects/occupational skills covered	Primary School Secondary and High School.
Name and type of organisation providing education and training	High School no. 2 of Radauti, county of Suceava, Romania.
Level in national or international classification	Mathematic, Physique and Chemistry. High School degree.

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)
Self-assessment
European level ()*

Language

Language

		Understanding		Speaking				Writing	
		Listening	Reading	Spoken interaction		Spoken production			
C1	English	C1	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C1	French	C1	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
A2	Italian	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(*) *Common European Framework of Reference for Languages*

Social skills and competences

- Team spirit.
- Good ability to adapt to multicultural environments, gained though my work experience abroad.
- Good communication skills gained through my experience as member of Management Committee of COST European Projects.

Studying and working experience in multicultural environment.

I have experience in multicultural environment: Romanian, Hungarian, French and Italian the most important as time of studies and work.

During University studies and work in Romania I achieved experience to work in industrial environment during three years. After in a Research Institute as Researcher and Research Projects manager, where I have coordinate many research groups I achieved competencies to manage and doing research in materials engineering (surface treatments, new materials, electrochemistry, corrosion and corrosion protection) in Romanian environment. Starting from 1991 I achieved experience to teach and work with Romanian student groups in the same area at Galati University.

During 1994 - 1995 I studied (for doctoral thesis, PhD) in Hungary at Eötvös Lorand University of Budapest and Hungarian Academy of Sciences focusing on the electrochemical impedance spectroscopy and potentiodynamic measurements to obtain and characterise the composite coatings materials. Competencies and experience achieved on electrochemical techniques to study the materials behaviour in different corrosive systems in the Hungarian environment.

1997 and 1998 as TEMPUS and NATO grant for a postdoctoral formation at Ecole Centrale Paris, France, I achieved experience in tribocorrosion and corrosion behaviour of materials, structural analysis of materials by

electronic microscope techniques, X. ray disperse analysis and 2D - 3D surface micro-topography and image analysis.

I achieved experience to work with French students and co-workers as well as with different nationalities postgraduate co-workers: Italian, Polish, Czech, and Arabian.

April 1999 to Jun 2000: Temporary work at Trento University Department of Materials Engineering, Italy, as invited professor, and senior researcher, Working group of Prof. P. L. Bonora. I give courses in Surface treatments by electrodeposition to improve the corrosion and wear resistance of materials. Research work on codeposition of ceramic nano-crystals with metals and properties of obtained composite coatings.

I achieved experience to teach, manage and do research work with Italian students and co-workers.

Jun 2000 to Jun 2001, September 2001-February 2002, September 2002-February 2003, September 2003-December 2003, February 2004, Mai- Jun 2004, Jun – July 2005, Jun – July 2006 : As Invited Senior Researcher Scientific and Invited Professor (Temporary work) at ECOLE CENTRALE PARIS, C.F.H. Laboratory. I achieved competencies in doing Research and Teaching on electrodeposition and wear corrosion of materials. Experience in work with French co-workers, French students and others Students nationalities as Swedish, German, Italian, Arabian, Czech, and Polish, which studied at that time at Ecole Centrale Paris. Also in the same time I achieved experience in Management and Organisation of the French Research Projects and Laboratory Practice as well as European Project (EREBIO -FP5).

During 1998-2010 as member of Management Committee of COST 533 Materials (Materials for Improved Wear Resistance of Total Artificial Joints), COST D33 (Nanoscale Electrochemical and Bio-Processes at Solid-Aqueous Interfaces of Industrial Materials), COST D19 CHEMISTRY – Chemical Functionality to Nanometer Scale, COST 520 (Biofouling and Materials) and COST 521 (Corrosion of Steel in Reinforced Concrete Structures) european actions. I achieved experience and competencies in working with many nationalities partners (French, Italian, German, Swedish, Finnish, Spanish, Portugal, Hungarian, English, in the management of budgets and projects. At the same time I have been the manager of Romanian projects:

-RO1-Comparative corrosion studies of Zn-Fe alloy coatings and Zn coatings on steel reinforcing structures, RO-Marine bio - corrosion of SiC-Ni nano-structured composite coatings, RO-Electrochemical Aspects and Bio - Tribocorrosion Properties of Actually Used Nickel Based Alloys and Alternative Materials and Coatings in artificial joints, WG2-RO-Electrochemical and biotribocorrosion studies of interfaces between (composites, metallic, polymeric, ceramic) materials and micro organisms, M1-WG3-Tribochemistry: *Nano-structured composite coatings obtained by electrodeposition to be used in tribocorrosion systems: processing and properties investigation.*

2005-2006: Competencies and experience in working and organise exchange of researchers with French people, as director of Romanian part, in the Bilateral Research Project between Romania and France PAI-BRANCUSI (“Dunarea de Jos” University of GALATI, Romania – Ecole Centrale Paris, Laboratoire LGPM). *Etude de dépôts composites nanostructurés, pour la protection des surfaces métalliques contre la tribocorrosion.*

2003-2005: Competencies and experience in working and organise exchange of researchers with Belgium people, as director of Romanian part, in the Bilateral Research Project between Romania and Belgium (“Dunarea

de Jos" University of GALATI, Romania - Katholieke Universiteit Leuven, Belgium): "*Tribocorrosion of engineering materials in view of their industrial use as sliding parts in pumps, shafts, and motors operated in water-lubricated conditions*".

2002: Competencies in working with German people in the frame of bilateral research project between Dunarea de Jos" University of GALATI, Romania and Chemnitz University of Technology - Germany, as co-worker.

Good writing and redactional skills acquired in many publications with different nationality co-workers: Italian, French, and Belgian (Publications List and Books).

Oratory speaker during plenary, keynote and oral presentations at national and international level acquired at National and International Scientific Congresses, Europe, Japan, USA and Canada, see Conferences at International Congresses.

Organisational and management skills and competences

Individual and team work, team-oriented and good communication skills. Research management experience at national and European level.

Coordination of people and projects in Romania as project manager and working group manager as well as organization of student's courses, student's laboratory practice at "Dunarea de Jos" University of Galati.

Budgets administration of managed research projects during the Romanian work at Research Institute as well as at University, Dept. of Metallurgy and Materials Science.

Coordination, administration of people, projects and students during temporary work in France, and Italy in the periods mentioned above.

Management competences achieved during the period of Management Committee Member of European Projects:

MANAGEMENT COMMITTEE OF EUROPEAN RESEARCH ACTIONS AND PROJECTS:

COST 521 - Corrosion of Steel in Reinforced Concrete Structures.

<http://www.cc-ites.ugal.ro/finalizate.htm>

COST 520 - Biofouling and Materials.

<http://www.cc-ites.ugal.ro/finalizate.htm>

COST D19 – Chemistry - Chemical Functionality Specific to the Nanometer Scale.

http://www.cost.eu/COST_Actions/cmst/D19?management

Vice-Chair of COST D33 – Nanoscale Electrochemical and Bio-Processes at Solid-Aqueous Interfaces of Industrial Materials, Director of the Project.

http://www.cost.eu/COST_Actions/cmst/D33?management

COST 532 - WG3 Tribochemistry: [http://www.cc-](http://www.cc-ites.ugal.ro/finalizate.htm)

[ites.ugal.ro/finalizate.htm](http://www.cc-ites.ugal.ro/finalizate.htm)

COST 533 – Materials – Materials for Improved Wear Resistance of Total Artificial Joints.

http://www.cost.eu/COST_Actions/mpns/533?management

COST 636 - Xenobiotics in the Urban Water Cycle.

Organisation and Coordination skills achieved as member in International Scientific Committee and Chairman of sessions at different International Congresses and Scientific organisation:

2007: Member of International Scientific Committee BIOCORYS 2007 – International

Conference on Biocorrosion of Materials. 11-14 June, Paris, France.

2002: CHAIRMAN of WP 18 Tribocorrosion - Knowledge dissemination and training, European Federation of Corrosion.

2003: Member of International Scientific Committee EUROCORN 2003,

Budapest, Hungary.

2008: Chairman of WG1-WG2 Workshop event COST D33 2008:

COST D33 EU Project: Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials. Period: 6th to 8th November 2008, Bucharest Romania.

2008: Member of International Scientific Committee for the Conference on Corrosion and Modern Technologies in the Military. November 5-8, 2008. Bucharest, ROMANIA.

2009: Chairman of COST D33 final workshop: Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials, 13-15 May 2009, Cluj Napoca, Romania.

2009: Member of International Scientific Committee Membru UGALMAT 2009.

2010: Member of International Scientific Committee (Program). CPA

2010: Conference on Corrosion and Corrosion Protection (Conferinta de Coroziiune si Protectie Anticoroziva) 2010 - a V-a Conferinta Nationala cu Participare Internationala de Coroziiune si Protectie Anticoroziva.

2011: Member of International Scientific Committee MATERIALS

2011, Guimarães, Portugal and VI International Materials Symposium MATERIAIS 2011, XV meeting of SPM - Sociedade Portuguesa de Materials 18-20 April 2011, Guimarães, Portugal.

2011: Member of International Scientific Committee: The 1st Edition of the International Conference of Young Researchers. New trends in environmental and materials engineering. May 18 - 20, 2011 in Galati, Romania.

2011: Member of International Scientific Committee: International workshop research quality in doctoral school, Increased industrial and international visibility (POSDRU 19524) / 13 – 14 July 2011, Galati, Romania.

Chair person for Sessions during International Congresses and Conferences:

-2002: Chairperson of Session "Coatings", at 15th International Corrosion Congress, Granada Spain.

-1998: Chairperson of Session "Deposition", International Society of Electrochemistry, 49th Annual Meeting, Kitakyushu, Japan, September 13-19, 1998.

-2003: Chairperson of Session: "*Tribocorrosion Aspects of Coatings*" Eurocorr 2003.

-2008: Co-chair of Session 5 ORAL COMMUNICATIONS. *Sfantu Gheorghe* Hall (Chair: Dr. Srinivasa RAO, Prof. Lidia BENEÀ).

International Conference on Corrosion and Modern Technologies in the Military. November 5-8, 2008. Bucharest, Romania.

-Coordinator of 3th International Workshop on Achievement and Challenges for Functional Surfaces Obtained by Electrochemical Methods – Processing and Characterization, NanoSurf 03/2014 jointly with PERFORM, 23 – 25 July 2014, Galati, România.

http://www.cc-ites.ugal.ro/Invitation_Workshop_NanoSurf_03_-2014_&_PERFORM_2014.pdf

-Chairperson Session 2, Room D: International Scientific Conference CORROSION 2014, Session 2, 18 – 21 November 2014, Gliwice, Poland.

<http://www.corrosion2014.polsl.pl/index.php?lang=en>

-Chairperson: Professor Dr. Ing. Lidia BENEÀ, Dunarea de Jos University of Galati, Romania. Session Tribochemistry (Tchem). BALKANTRIB'14 8th International Conference on tribology. 30thOct.-1stNov.2014, Sinaia, Romania. Organized by Balkan Tribological Association.

-Coordinator of International Seminar: Scientific Approach in Research Methodology & Universe of Biomaterials. Organized in the frame of Research Project PNII-PCE - New hybrid (inorganic-organic) functionalization of biomaterials (metals alloys) surfaces with functional molecules by electrochemical techniques. Acronym: HyBioElect Contract 10 / 30-08-2013 (2013-2016) - UEFISCDI, 23 of July 2015.

<http://www.hybioelect.ugal.ro>

Organisation of people and scientific activities at European level:

-During 2002 with Prof J. P. Celis (Katholieke Universiteit Leuven) Dr. P. Ponthiaux and F. Wenger (Ecole Centrale Paris), I participate at organization and implementation of a new Working Party, WP18 - Tribocorrosion, in the European Federation of Corrosion.

-Vice chairman of COST D33 –Chemistry, European action. WG1 Leader and Project manager.

Organisation and administration of Socrates Erasmus Programme for academic staff and students mobility and training between Dunarea de Jos University of Galati, Ecole Centrale Paris, Trento University, Katholieke Universiteit Leuven, on the signed bilateral agreements for Materials Science and Engineering Domain.

Organisation and administration of people and projects during the EU project as manager titled: "Nano-structured composite coatings obtained by electrodeposition to be used in tribocorrosion systems: processing and properties investigation", accepted in the COST 532 action: Triboscience and Tribotechnology, WG3 Tribochemistry Project M1. The project is collaboration between Romania, France, Belgium, Italy and Hungary and Others European Projects.

Peer review activity and evaluation

EXPERT EVALUATOR and RAPPORTEUR:

European Commission – RDG Science Research and Development, Engineering Science Panel, Chemistry Panel.

Identification: FP5: EE19981A24009.

Intas Expert: ID-4458.

FP6: EX2002B002205, FP7: EX2002B002205

Expert CNCSIS 2004-2015.

National Expert Register 2005-2015.

Scientific reviewer for ISI International Journals:

ACS Nano, Corrosion Science, Electrochimica Acta, Solid State Electrochemistry, Surface and Coatings Technology, Scripta Materialia, Journal of Electroanalytical Chemistry, Journal of Biomedical Materials Research: Part B – Applied Biomaterials, Wear, Tribology International, Composites Part B, Materials and Design, Applied Surface Science, Materials Chemistry and Physics, Science and Technology of Advanced Materials.

Scientific Reviewer for International Ph.D. Thesis:

Dicarboxylic acids as corrosion inhibitors for carbon steel in ground water. Autor Felicia Rajammal Selvarani, Supervisor: S. Rajendran.

Universitatea Madurai Kamaraj University – India.

Inhibition of corrosion of mild steel in acidic media by some mannich bases. Autor: Mr. M. ANWAR SATHIQ. Supervisor: Dr. A. Jamal Abdul Nasser. Jamal Mohamed College (Autonomous), Tiruchirappalli - 620 020, Tamil Nadu, India.

Inhibition of corrosion of mild steel in well water by phenolic compounds. authored by: Mrs. H BENITA SHERINE. Bharathidasan University, Thiruchirappalli - 620 024 – India.

Scientific Editorial Board:

	<p>Member of Scientific Editorial Board : <i>The Annals of “Dunarea de Jos” University of Galati, Fascicle IX.</i> Metallurgy and Materials Science. ISSN 1453-083X.</p> <p>ANALELE UNIVERSITII “DUNAREA DE JOS” DIN GALATI. I. FASCICULA IX. METALLURGIE SI TIINATA MATERIALELOR</p> <p>Member of Scientific Editorial Board ISI Journal: <i>ISRN Corrosion</i>. ISSN: 2090-8903 (Online) doi:10.5402/CORROSION.</p>
<p>Technical skills and competences</p>	<p>Good command of quality control processes acquired through training. Skills and competences in specialized electrochemical instruments, scanning electron microscopy and ultra high microtopography acquired through work experience abroad.</p>
<p>Computer skills and competences</p>	<p>Very good computer technical skills: Microsoft Office, Word, Excel, PowerPoint, Photo Paint, CorelDraw, Origin, Internet. Art work. Acquired through work, seminars, conferences, etc.</p>
<p>Specific area of activity</p>	<p>TEACHING AND RESEARCH</p> <p>Chemistry</p> <ul style="list-style-type: none"> -Electrochemical studies and methods. Chemical technologies. Surface Chemistry. -Corrosion and wear corrosion (tribocorrosion) of materials (mechanisms and kinetics). -Fundamentals of Metal Electrodeposition, -Micro and Nano Structured Composite Coatings. -Research on surface modifications technologies to improve the corrosion and wear resistance of materials. -Research on environment compatibility of triboreactive materials and lubricants. -Development and understating of surface reactivity. -Research on lubricants and additives. -Electro analytical methods of investigations. -Kinetic and mechanism of materials (metallic, coatings) degradation by combined action of corrosion and wear= tribocorrosion. <p>Materials Science and Engineering</p> <ul style="list-style-type: none"> -Nano and micro structured composite coatings, complex degradation, biomaterials passive state, corrosion, kinetic, tribocorrosion. -Surface treatments by electrodeposition of metals, alloys and composites to improve the corrosion and wear resistance of materials. -Degradation of Materials by Corrosion and wear corrosion, Tribocorrosion, Biocorrosion. -New materials obtained by co-deposition of dispersed particles with metals and alloys to obtain micro and nano structured coatings. -Nanomaterials. -Electrocatalytic activity of metal matrix composite coatings obtained by electrocodeposition. -General and Inorganic Chemistry. -Industrial Wastewater treatments. -Resin-modified glass ionomer restorative materials for tooth structures. <p>Materials characterisation</p> <ul style="list-style-type: none"> -DC and AC electrochemical measurements. -Scanning electronic microscope. -Transmission electronic microscope.

-X-ray disperse analysis.
-2D -3D surface micro topography and surface analysis.

Driving licence

Category B

Member of professional associations

MEMBERSHIP:

International Society of Electrochemistry (ISE).
ECS - The Electrochemical Society Inc. (ECS USA).
CEFRACOR France.
Royal Society of Chemistry (RSC).
Romanian Society of Chemistry.

CHAIRMAN (2002-2004) and Member- of WP 18 Tribocorrosion – Action: Knowledge dissemination and training, European Federation of Corrosion.

Vice Chair of COST D33 - Chemistry.

11 Prize and Diplomas at Scientific National Conferences for scientific and technical presentations.

The Top World Ranking of Scientists 2023 for 2022

Cited in Top 2 World Ranking of the World's Top Scientists by Stanford University in conjunction with Elsevier Publishing and SciTech Strategies.

<https://www.lse.ac.uk/geography-and-environment/research/stanford-elsevier-top-2-scientist-rankings>

Excellence Diploma 2023

Awarded by Dunrea de Jos University of Galati for excellent results in the research activity within the university.

Diploma OPERA OMNIA 2023

OPERA OMNIA diploma awarded for the entire scientific research activity in 2023 within the Faculty of Engineering, Lower Danube University in Galati.

Excellence Diploma 2022

Awarded by Dunarea de Jos University of Galati - CEREX for excellent results in the research activity within the university. CNFIS-FDI-2022-0205. CEREX UDJG 2022.

The World's Top Scientists 2021 for 2020 and 2022 for 2021

Cited in Top 2 World Ranking of the World's Top Scientists by Stanford University in conjunction with Elsevier Publishing and SciTech Strategies.

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>
https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4?fbclid=IwAR2s2ItYq_rPtVZKqp-XVsYgVHlykXQuM7RA7EPpicERq-ldMIN_LiV948w

Daniel Bunea Award For Excellence in Materials Engineering and Science

Awarded by 8th International Conference on Materials Science and Technologies – RoMat 2020, November 26-27, 2020, Bucharest, Romania.
For Excellence in Materials Engineering and Science.

Excellence Diploma 2020

Awarded by Dunarea de Jos University of Galati for excellent results in research activity, 2020.

Special CRYSTAL AWARD and CERTIFICATE SGEM 2018

Awarded by Scientific Chairmen of the SGEM 2018 Conference as **Best presenters awarded with special CRYSTAL AWARD and CERTIFICATE** of 18th International Multidisciplinary Scientific GeoConference SGEM 2018, 24. Section Micro and Nano Technologies, 30 June - 9 July, 2018, Albena, Bulgaria.

DIPLOMA of SILVER MEDAL 2017

DIPLOMA of SILVER MEDAL, awarded in 2017 by **EUROINVENT 2017 - EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION**. for invention patent: **Co/nano-ZrO₂ functional surfaces obtained by electrodeposition**, authored by Lidia Benea and Florentina Sorcaru.

Anghel Saligny Diploma of Excellence 2017

ANGHEL SALIGNY DIPLOMA for excellence results as university professor position.
Awarded in 2017 by Engineering Faculty from Dun rea de Jos University of Galati.

Excellence Diploma 2016

EXCELLENCE DIPLOMA for Scientific and Technological Research Activity done in the frame of Bilateral cooperation Romania - France, Framework Programme "Brâncu i-Humbert Curien".
Awarded in 2016 by: France Embassy in Romania and Romanian National Authority for Research and Innovation (ANCSI).

Anghel Saligny Diploma 2016

ANGHEL SALIGNY DIPLOMA for excellence results as university professor position.
Awarded in 2015 by Engineering Faculty from Dun rea de Jos University of Galati.

**ACS
Certificate of
Appreciation
2011**

CERTIFICATE OF APPRECIATION for valuable contribution and dedicated service in the peer review of manuscripts submitted to ACS Journals.
Awarded in 2011 by American Chemical Society (ACS) Publishing Group.

**Excellence Diploma
2010**

Excellence Diploma for Research Activity in Corrosion and Corrosion Protection.
Awarded in 2010 by:
Technical University of Cluj –Napoca and Industrial Factory BETAK S.A.

**Specific Achievements
Scientific Results**

Published books and / or participation at Chapters of Books: 23.
Editorial work for books and DVD proceeding: 5.
Total published papers in National and International Journals: 305.
-Total scientific papers published in ISI (Journals + Proceeding Volumes): 104.
-Scientific papers published in ISI Thomson Reuters Journals: 74 (74 articles + 30 proceeding volumes).

-Cumulative impact factor (I.F.) = 241.221

-Scientific papers published in ISI Proceedings Volumes: 30.
-Scientific papers published in BDI journals: 83
-Scientific papers published in others national journals and Conference Proceedings: 120.

Scientific presented papers as Invited Lectures, Keynote, Oral and Posters at International and National Conferences: 367 (111 during 2017-2023).

66 scientific research projects, as director and / or co - worker, on metal, alloy and composite coating by electroplating technologies applied to technical products, mechanisms and kinetics of corrosion and tribocorrosion processes, chemical analyses, development of new products, materials and coatings.

Author of **11 invention** patents and **35 innovators** in the fields of applied electrochemistry, materials engineering new materials, coatings and corrosion protection).

Supervised 9 PhD Thesis in the Materials Science and Engineering research domain.

2016: 1 Article published in TOP 1 Journals in the research domain: MATERIALS SCIENCE, COATINGS & FILMS, after AIS (Classification PRECISI-UEFISDCI-Romanian Ministry of Education and Research).

**Scientific and academic
international
Recognition
Hirsch Index
and citations**

Academic and scientific responsibilities:

●**2008-Present days: Ph.D. Thesis Supervisor in the domain of Engineering Sciences, Materials Engineering. 9 PhD Thesis finalized.**

●**2017-2020: Director of Doctoral (Ph.D.) School: Fundamentals and**

**Engineering Sciences (SFI) at Dunarea de Jos University of Galati.
Rector Decision: 2857 / 26-10-2017.**

<http://www.ugal.ro/studii/doctorat/conducere-executiva-iosud>

● **2020-2024: Member of the National Council for Attesting Titles, Diplomas and Certificates Universitaires (CNATDCU), Ministry of Education and Research, Romania for the period 2020-2024, Materials Science and Engineering Committee, Ministry of education and research Order: nr. 4.621/2020.**

<http://ugal.ro/anunturi/stiri-si-evenimente/7854-udjg-reprezentata-la-nivelul-comisiilor-cnatdcu-pentru-mandatul-2020-2024>

https://www.edu.ro/sites/default/files/_fi%C8%99iere/Minister/2020/inv.%20superior/new%20CNATDCU%202020-2024/ANEXA_3.pdf

● **Member of the National Council for Attesting Titles, Diplomas and Certificates Universitaires (CNATDCU), Ministry of National Education, Romania for the period 2016-2020, Materials Engineering Committee, Ministry Order: OMENCS nr. 4.106/10.06.2016.**

<http://www.edu.ro/index.php/articles/24513>

● **Director of Research Center Interfaces - Tribocorrosion and Electrochemical Systems (CC-ITES) at "Dunarea de Jos" University of Galati (institutional accreditation 2007).** www.cc-ites.ugal.ro

● **Coordinator of Erasmus Programmes with Ecole Centrale Paris - France, Katholieke Universiteit Leuven - Belgium, Duisburg - Essen University - Germany, Trento University - Italy.**

● **CHAIRMAN of WP 18 Tribocorrosion – Action: Knowledge dissemination and training, European Federation of Corrosion (2002-2004).**

VICE CHAIR OF COST D33 - CHEMISTRY - Chemistry to the nanoscale.

10 PRIZE AND DIPLOMAS at Scientific National Conferences for scientific and technical presentations.

● **42 Invited Conferences at International Scientific Symposia and Congresses.**

● **TOP 25/2007 articles, 2007 TOP Cited Articles within the journal: Solid State Ionics.**

Preparation and investigation of nanostructured SiC-nickel layers by electrodeposition.

<http://top25.sciencedirect.com/subject/physics-and-astronomy/21/journal/solid-state-ionics/01672738/archive/11/>

Hirsch Index and citations

Citations in international ISI Journals: (Benea, L*, or Lidia Benea):

● **2135 Citations of ISI published articles in ISI Journals in ISI Web of Knowledge Clarivate Analytics (Benea L* or Lidia B*):**

$$h_{BeneaLidia}^{WebOfKn} = 23$$

http://apps.webofknowledge.com/CitationReport.do?product=UA&search_mode=CitationReport&SID=C383tQoz3Si3Njp9GhZ&page=1&cr_pqid=1&viewType=summary

● **3038 Citations of ISI published articles in ISI Journals in Google Scholar (Google Academic), 1263 for 2018-2022 period:**

$$h_{BeneaLidia}^{GoogleSch} = 22, h_{BeneaLidia}^{GoogleSch} = 19 \text{ for 2018-2022 period.}$$

<https://scholar.google.com/citations?hl=en&user=rSniQ6sAAAAJ>

● **2212 Citations of ISI published articles in ISI Journals in SCOPUS: Scopus – Science Direct: SCOPUS ID: 55954358700.**

$$h_{\text{BeneaLidia}}^{\text{Scopus}} = 21$$

<https://www.scopus.com/authid/detail.uri?authorId=55954358700>

Researcher ID web page:

<http://www.researcherid.com/rid/B-9653-2011>

<https://publons.com/researcher/2805949/lidia-benea/>

ORCID:

<http://orcid.org/0000-0003-1551-3960>

Brainmap

<https://www.brainmap.ro/profile/Lidia-BENEĂ>

**2016
Highly Cited
Researcher**

DESIGNED by Thomson Reuters as a 2016 Highly Cited Researcher because my work has been identified as being among the most valuable and significant in the field. Very few researchers earn this distinction – writing the greatest number of reports, officially designated by Essential Science Indicators as Highly Cited Papers. In addition, these reports rank among the top 1% most cited works for their subject field and year of publication, earning them the mark of exceptional impact.

Fulfillment

Habilitation standards: CNATDCU Commission 7 - Materials Science and Engineering.

Condi ii	Îndeplinire condi ii	
A. Doctor	DIPLOMA DE DOCTOR Seria N, Nr. 001335, emis în baza Ordinului Ministrului Învântului nr. 3543 din 03 aprilie 1996.	
B. Îndeplinirea standardelor minime na ionale conform: Ordinului ministrului educa iei, na ionale i cercet rii tiin ifice nr. 6129 / 2016. [MENCs nr. 6129/2016] [Susânere abilitare, Domeniul <i>Ingineria Materialelor</i>, Comisia CNATDCU [Anexa nr. 7].	Standarde îndeplinite, conform Comisiei CNATDCU Nr. 7 - COMISIA DE INGINERIA I TIIN A MATERIALELOR. Anexat : Fi a de calcul i de sus inere a îndeplinirii standardelor minime specifice domeniului, în acord cu realiz rile men ionate:	
Condi ii minimale Profesor [Punctaj]	Minim prev zut	Realizat/ punctaj i % / Raport
(A1). Activitatea didactic i profesional .	60	399.69 666.15 % Raport = 6.66
(A2). Activitatea de cercetare.	320	3094.04 966.89 % Raport = 9.66
(A3). Recunoa terea i impactul activit ii (A3)	120	8818.70 7348.9 % Raport = 73,489
TOTAL A	500	12312.45 2462.49 % Raport = 24.62
Condi ii minimale obligatorii pe subcategorii [Num r]	Minim prev zut	Realizat
A1: Activitatea didactic i profesional	60	399.69
A1: 1.1. C r i i capitole în carti de specialitate.	-	9 din care
1.1.1 C r i / capitole ca autor: 1.1.1.1. Interna ionale	-	3 - interna ionale din care: 2 prim autor
1.1.1 C r i / capitole ca autor: 1.1.1.2. Na ionale	2 din care 1 ca prim autor	6 - na ionale din care: 6 prim autor
1.1.2 C r i / capitole ca editor	-	4
A1: 1.2. Material didactic / Lucr ri didactice	-	5

**Domain:
Engineering Sciences
– Materials Science
and Engineering**

1.2.1 Manuale didactice / Monografii (minim 2)	2	2
1.2.2 Indrumatoare de laborator/aplicatii.	-	3
A2: Activitatea de cercetare	320	3094,06
A2: 2.1. Articole în reviste cotate ISI Thomson Reuters si în volume indexate ISI proceedings	15	101
Din care: Minim 10 în Reviste cotate ISI Th.R.	10	56
Minim 5 lucrări în Reviste cotate ISI Th.R. cu $F.I. \geq 1$	5	45
Minim 5 lucrări ISI ca autor principal cu $F.I. \geq 0.5$	5	28
A2: 2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale [BDI], în specificul postului scos la concurs.	-	87,50
A2: 2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale [BDI], în specificul postului scos la concurs.	-	Realizat: 65 din care: 36 în Anale BDI (B+) 29 în Vol. Conf. BDI
A2: 2.3. Brevete de invenție	-	11 brevete 2.49 puncte
A2: 2.3.1. Naționale		2.49
A2: 2.4. Granturi/proiecte de cercetare câștigate prin competiție / Contracte cu agenți economici, minim 10000 echivalent Euro încasați. [punctaj]		670
A2: 2.4. Granturi/proiecte de cercetare câștigate prin competiție / Contracte cu agenți economici, minim 10000 echivalent Euro încasați. [condiții minimale].	2	14: din care: 11 Internaționale. 3 Naționale.
A2: 2.1. Granturi/proiecte de cercetare ca Director.	1	11 Director Internaționale 3 Director Naționale
A3: Recunoașterea și impactul activității	120	8818,70
A3: 3.1. Citări în reviste cotate în ISI [FI Factor de Impact] și în alte BDI (FI se referă la revista în care a fost publicat articolul care citează).	-	5753.70
3.1.1. Citări ISI	-	5753.70
3.1.1. Citări ISI: Minim 30 citări în ISI pentru Profesor.	30	1584
3.1.2. Citări BDI	-	necalculat
A3: 3.2. Prezentări invitate prezentate în plenul unor conferințe naționale și internaționale și Profesor invitat (exclusiv Erasmus).	-	400
A3: 3.3. Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice / Recenzor pentru reviste și manifestări științifice naționale și internaționale.	-	118
A3: 3.4. Expert evaluare proiecte cercetare	-	2100

Fulfillment

Habilitation standards: CNATDCU Commission 4 - Chemistry

Domain:
Chemistry

CATEGORIE	Profesor/CS 1/Habilitare		Grad de îndeplinire %
	Criteriu	PUNCTAJ	
N_{max}	Standard	50	Indeplinit
	Realizat	50 Luată în considerare 48 articole publicate în jurnale cotate ISI (Clarivate Analytics), 2 capitole în cărți vizibile în peste 150 de biblioteci	
FIC	Standard	100	127.81%
	Realizat	127.81	
FIC _D	Standard	70	182.58%
	Realizat	127.81	
FIC _{AP}	Standard	50	205.78%
	Realizat	102.89	
FIC _{AC}	Standard	25	411.56%
	Realizat	102.89	
Hirsch index (h) (fără autocitări)	Standard	13	169.23%
	Realizat	22 WOS	

Legend :

 N_{max} Primele maxim N lucrări așezate în ordinea descrescătoare a factorilor de impact.

Hirsch index (h) – minim 13.

FIC - minim 100 (factorul de impact cumulat minimal al revistelor în care s-au

publicat lucrările în cauză).

FIC_D factorul de impact cumulat minimal din publicații în domeniile de cercetare declarate.

FIC_{ap} - minim 50 factorul de impact cumulat minimal din publicații în calitate de autor principal.

FIC_{AC} minim 25 factorul de impact cumulat minimal din publicații în calitate de autor corespondent.

May 2024

Prof. Univ. Dr. (Ph.D.) Lidia BENEĂ

2023: Diploma de excelență pentru rezultate de excelență obținute în activitatea de cercetare și includerea în Top World Ranking of Scientists 2% clasament realizat de Universitatea Stanford împreună cu Editura Elsevier și Sci Tech Strategies.



75 UNIVERSITATEA „DUNĂREA DE JOS”
DIN GALAȚI

CEREX

DIPLOMĂ DE EXCELENȚĂ

se acordă doamnei

Prof. univ. dr. Lidia BENEĂ

Pentru rezultatele de excelență obținute în activitatea de cercetare în cadrul Universității „Dunărea de Jos” din Galați și includerea în Top World Ranking of Scientists 2%, clasament realizat de Universitatea Stanford, împreună cu Editura Elsevier and SciTech Strategies



CNFIS-FDI-2023-F-0171
Acțiuni concrete de dezvoltare și stimulare a cercetării, dezvoltării, inovării și transferului tehnologic la Universitatea „Dunărea de Jos” din Galați - CEREX UDJG 2023

Director proiect,
Prof. univ. dr. Silviu STANCIU

RECTOR,
Prof. univ. dr. ing. Puiu-Lucian GEORGESCU



75 UNIVERSITATEA „DUNĂREA DE JOS”
DIN GALAȚI

CEREX

DIPLOMĂ DE EXCELENȚĂ

se acordă doamnei

Prof. univ. dr. Lidia BENEĂ

Pentru rezultatele de excelență obținute în activitatea de cercetare în cadrul Universității „Dunărea de Jos” din Galați



CNFIS-FDI-2023-F-0171
Acțiuni concrete de dezvoltare și stimulare a cercetării, dezvoltării, inovării și transferului tehnologic la Universitatea „Dunărea de Jos” din Galați - CEREX UDJG 2023

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RECTOR,
Prof. univ. dr. ing. Puiu-Lucian GEORGESCU

2023: Cited in Top 2 World Ranking of the World's Top Scientists by Stanford University in conjunction with Elsevier Publishing and SciTech Strategies.

Table_1_Authors_career_2022_pubs_since_1788_wopp_extracted_202310.xlsx

firstyr	lastyr	rank (ns)	nc9622 (n:h22 (ns)	hm22 (ns)	nps (ns)	ncs (ns)	cpsf (ns)	ncsf (ns)	npsfl (ns)	ncsfl (ns)	c (ns)								
1971	2023	1	345,061	264	114.8481	59	28,993	83	30,655	934	227,994	5.5927							
Iwan, Agnieszka	Military Institute of Engine pol			156	2002	2023	273,835	1,749	20	9.8758	4	37	74	1,212	107	1,357	3.0398	1,241	1.4093
Benea, Lidia	Universitatea Dunarea de J rou			102	1999	2023	273,837	1,799	18	8.9119	10	73	49	1,105	65	1,148	3.0398	1,591	1.1307
Gao, Hua	Kronos Bio, Inc. usa			46	1996	2022	273,843	2,438	24	8.4684	1	54	11	648	19	1,235	3.0398	2,189	1.1138
Scharff, Robert L.	The Ohio State University usa			25	1996	2023	273,848	983	11	7.4167	5	753	10	873	21	973	3.0397	968	1.0155
Bestion, Dominique	Scientific Consultant fra			70	1987	2023	273,854	1,070	15	8.7857	11	527	26	577	39	703	3.0397	925	1.1568
Schütz, Jean Philippe	Department Environmenta che			30	1984	2020	273,861	894	13	9.9500	13	433	22	700	28	845	3.0397	759	1.1779

2023: Diploma OPERA OMNIA acordat pentru întreaga activitate de cercetare tiin ific în anul 2023 de c tre Facultatea de Inginerie, Universitatea Dun rea de Jos din Gala i.



2022: Excellence Diploma 2022 Award. Awarded by Dunarea de Jos University of Galati - CEREX for excellent results in the research activity within the university. CNFIS-FDI-2022-0205. CEREX UDJG 2022.



Patru profesori de la UDJG în Topul celor mai importanți oameni de știință din lume, în anul 2022.

<https://www.ugal.ro/anunturi/stiri-si-evenimente/11283-patru-profesori-de-la-udjg-in-topul-celor-mai-importanti-oameni-de-stiinta-din-lume-in-2022>

File	Home	Insert	Page Layout	Formulas	Data	Review	View	NTD Pro 8	PDFelement									
A175029	Benea, Lidia																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
175020	Badcock, K. J.	University of Liverpool	gbr	166	1992	2018	274,318	2,381	28	13.3295	3	23	20	243	79	1,074	3.0203	1,844
175021	Solberg, Birger	Norges Miljø- og Bioteknik	nor	104	1986	2022	274,337	2,096	27	14.9590	4	28	13	143	77	1,388	3.0203	1,730
175022	Guizzo, Erico			63	2004	2022	274,346	781	11	9.5000	50	430	60	759	63	781	3.0202	771
175023	Russell, Alexander	University of Connecticut	usa	147	1991	2022	274,349	2,286	23	13.8667	3	25	17	317	74	1,083	3.0202	1,915
175024	Welch, Barry J.	UNSW Sydney	aus	218	1959	2022	274,362	1,455	20	12.6833	10	89	23	249	140	979	3.0202	3,361
175025	Young, Nancy A.	Albert Einstein Healthcare	usa	52	1990	2018	274,367	3,497	20	6.8486	3	25	26	530	34	3,105	3.0202	3,416
175026	Zeng, Bing	University of Electronic Sci	chn	149	1999	2022	274,377	1,575	22	10.9107	1	75	5	263	114	1,207	3.0202	3,140
175027	Sherbino, Jonathan	McMaster University	can	170	2000	2022	274,379	3,850	27	11.6917	11	14	40	481	73	819	3.0202	3,140
175028	Wynaden, Dianne	The Faculty of Health Scien	aus	92	1999	2022	274,380	1,504	21	9.9425	5	60	23	600	40	948	3.0202	1,398
175029	Benea, Lidia	Universitatea Dunarea de Jos	rou	90	1999	2022	274,386	1,634	18	8.0786	9	67	44	1,012	57	1,041	3.0202	1,438
175030	Whitesides, Sue	University of Victoria	can	158	1979	2022	274,392	2,463	25	12.3032	13	80	14	80	121	1,388	3.0202	2,231
175031	Carey, Van P.	University of California, Ber	usa	128	1977	2014	274,399	1,329	18	11.7833	13	105	35	399	94	833	3.0201	1,132
175032	Damrosch, David	Harvard University	usa	49	1991	2022	274,401	973	8	6.8611	34	890	38	943	48	964	3.0201	908

2021: Cited in Top 2 World Ranking of the World's Top Scientists by Stanford University in conjunction with Elsevier Publishing and SciTech Strategies.

https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4?fbclid=IwAR2s2ItYq_rPtVZKqp-XVsYgVHiykXQuM7RA7EPpicERq-ldMIN_LiV948w

Patru profesori de la UDJG în Topul celor mai importanți oameni de știință din lume, în anul 2022.

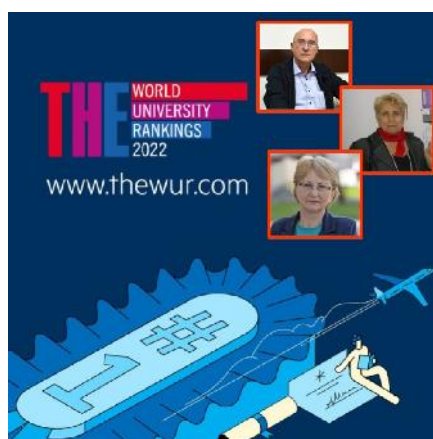
<https://www.ugal.ro/anunturi/stiri-si-evenimente/11283-patru-profesori-de-la-udjg-in-topul->

celor-mai-importanti-oameni-de-stiinta-din-lume-in-2022

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
175020	Badcock, K. J.	University of Liverpool	gbr	166	1992	2018	274,318	2,381	28	13,3295	3	23	20	243	79	1,074	3.0203	1,844
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175024	Welch, Barry J.	UNSW Sydney	aus	218	1959	2022	274,362	1,455	20	12,6833	10	89	23	249	140	979	3.0202	1,072
175025	Young, Nancy A.	Albert Einstein Healthcare F	usa	52	1990	2018	274,367	3,497	20	6,8486	3	25	26	530	34	3,105	3.0202	3,361
175026	Zeng, Bing	University of Electronic Scie	chn	149	1999	2022	274,377	1,575	22	10,9107	1	75	5	263	114	1,207	3.0202	1,416
175027	Sherbino, Jonathan	McMaster University	can	170	2000	2022	274,379	3,850	27	11,6917	11	14	40	481	73	819	3.0202	3,140
175028	Wynaden, Dianne	The Faculty of Health Scien	aus	92	1999	2022	274,380	1,504	21	9,9425	5	60	23	600	40	948	3.0202	1,398
175029	Benea, Lidia	Universitatea Dunarea de Jiu	rou	90	1999	2022	274,386	1,634	18	8,0786	9	67	44	1,012	57	1,041	3.0202	1,438
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175031	Carey, Van P.	University of California, Ber	usa	128	1977	2014	274,399	1,329	18	11,7833	13	105	35	399	94	833	3.0201	1,132
175032	Damrosch, David	Harvard University	usa	49	1991	2022	274,401	973	8	6,8611	34	890	38	943	48	964	3.0201	908

Cercetatori ai Facultății de Inginerie în The World's Top 2% of Scientists

<https://ing.ugal.ro/index.php/ro/noutati/cercetatori-ai-facultatii-de-inginerie-in-the-world-s-top-2-of-scientists>.



2020: Cited in Top 2 World Ranking of the World's Top Scientists by Stanford University in conjunction with Elsevier Publishing and SciTech Strategies.

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3>

Citat în Top World Ranking 2%, al celor mai importanți oameni de știință din lume, realizat de Universitatea Stanford, împreună cu Editura Elsevier and SciTech Strategies.

<https://www.ugal.ro/anunturi/stiri-si-evenimente/9773-patru-profesori-de-la-udjg-in-topul-celor-mai-importanti-oameni-de-stiinta-din-lume>

Table_1_Authors_career_2020_wopp_extracted_202108.xlsx - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K	
169833	Commerford, Patrick	University of Cape Town	zaf	168	1977	2021	272,596	25,432	45	8,7928	27	11
169834	Ni, Shibing	China Three Gorges Univer	chn	97	2007	2021	272,602	2,968	32	12,9413	0	0
169835	Zhang, Huanshui	Shandong University	chn	382	1994	2021	272,603	3,325	30	14,7833	0	0
169836	Wang, Yaping	Medical School of Nanjing	chn	317	1991	2019	272,608	4,543	33	14,1000	0	0
169837	Yan, Binfang	University of Cincinnati	usa	93	1994	2021	272,617	4,163	35	12,9709	2	4
169838	Ebrahimi, Fereshteh	University of Florida	usa	104	1986	2017	272,621	2,816	28	15,2190	2	0
169839	Kapusta, Daniel R.	LSU Health Sciences Cente	usa	70	1984	2021	272,623	1,373	21	10,8988	5	74
169840	De Vries, Daniel A.	Technische Universiteit Ein	nld	14	1957	1987	272,624	2,114	7	4,6067	6	638
169841	Kaushika, N. D.	Indian Institute of Technol	ind	63	1982	2021	272,627	1,331	16	11,0000	2	42
169842	Tulumucut, Frol	University of Illinois Urban	usa	224	1992	2021	272,632	2,728	26	15,7167	3	5
169843	Benea, Lidia	Universitatea Dunarea de Jiu	rou	87	1999	2021	272,634	1,550	18	7,8286	9	63
169844	Xu, Lijun	Beihang University	chn	317	1997	2021	272,639	1,770	21	11,9762	1	20
169845	Singh, Abhyudai	University of Delaware	usa	143	2004	2021	272,650	1,841	21	11,2076	5	28
169846	Bockelmann, Wilhelm	Max Rubner-Institut, Germ	deu	78	1985	2021	272,657	1,509	20	10,7060	4	79
169847	Bessarabov, Dimitri	North-West University	zaf	145	1993	2021	272,659	2,729	22	11,5036	8	37
169848	Fisher, Andrew D.	Faculty of Veterinary and A	usa	88	1996	2021	272,661	1,837	26	10,0773	1	16
169849	Bienvenu, Maghyn	Université de Bordeaux	fra	82	2005	2020	272,670	824	15	10,7500	15	141
169850	Doerksen, Robert J.	University of Mississippi Sc	usa	95	1995	2021	272,671	3,550	24	11,1605	1	36
169851	Sears, David A.	Baylor College of Medicine	usa	68	1954	2012	272,676	1,108	18	9,8250	8	208

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For Excellence in Materials Engineering and Science.



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8th International Conference on Materials Science and Technologies

Bucharest, Romania, November 26-27th, 2020



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Radu ȘTEFĂNOIU

Dean

*Faculty Materials Science and Engineering
University POLITEHNICA of Bucharest*

Iulian Vasile ANTONIAC

ROMAT 2020 President

*Faculty Materials Science and Engineering
University POLITEHNICA of Bucharest*

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Awarded by Dunarea de Jos University of Galati for excellent results in research activity.



Special CRYSTAL AWARD and CERTIFICATE SGEM 2018: Awarded by Scientific Chairmen of the SGEM 2018 Conference as Best presenters awarded with special CRYSTAL AWARD and CERTIFICATE! of 18th International Multidisciplinary Scientific GeoConference SGEM 2018, 24. Section Micro and Nano Technologies, 30 June - 9 July, 2018, Albena, Bulgaria.

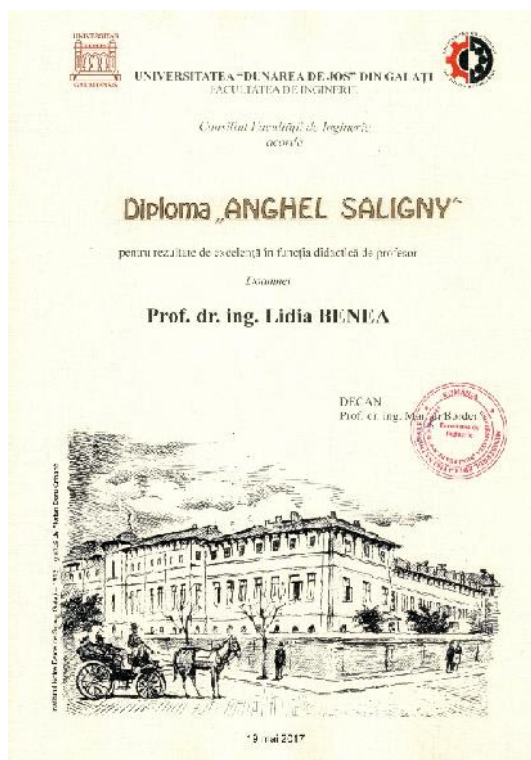


SILVER MEDAIL - DIPLOMA
for invention: Co/nano-ZrO₂ functional surfaces obtained by electrodeposition.
Awarded in 2017 by EUROINVENT 2017 - EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION.



ANGHEL SALIGNY - EXCELLENCE DIPLOMA
for excellence results as university professor position.

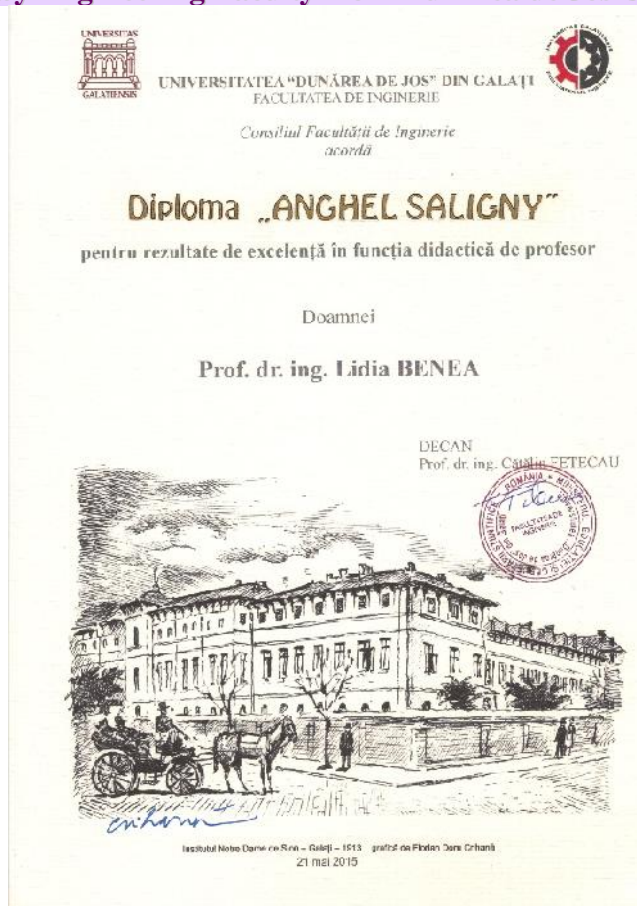
Awarded in 2017 by Engineering Faculty from Dunărea de Jos University of Galați.



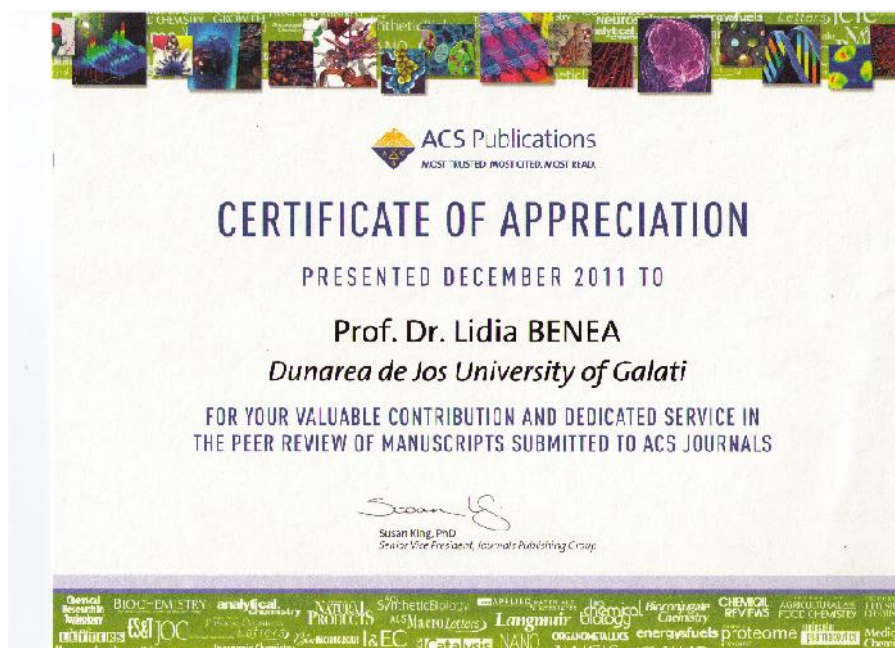
EXCELLENCE DIPLOMA for Scientific and Technological Research Activity done in the frame of Bilateral cooperation Romania - France, Framework Programme "Brâncuși - Hubert Curien". Awarded in 2016 by: France Embassy in Romania and Romanian National Authority for Research and Innovation (ANCSI)



ANGHEL SALIGNY DIPLOMA for excellence results as university professor position.
Awarded in 2015 by Engineering Faculty from Dunrea de Jos University of Galati.



CERTIFICATE OF APPRECIATION for valuable contribution and dedicated service in the peer review of manuscripts submitted to ACS Journals.
Awarded in 2011 by American Chemical Society (ACS) Publishing Group

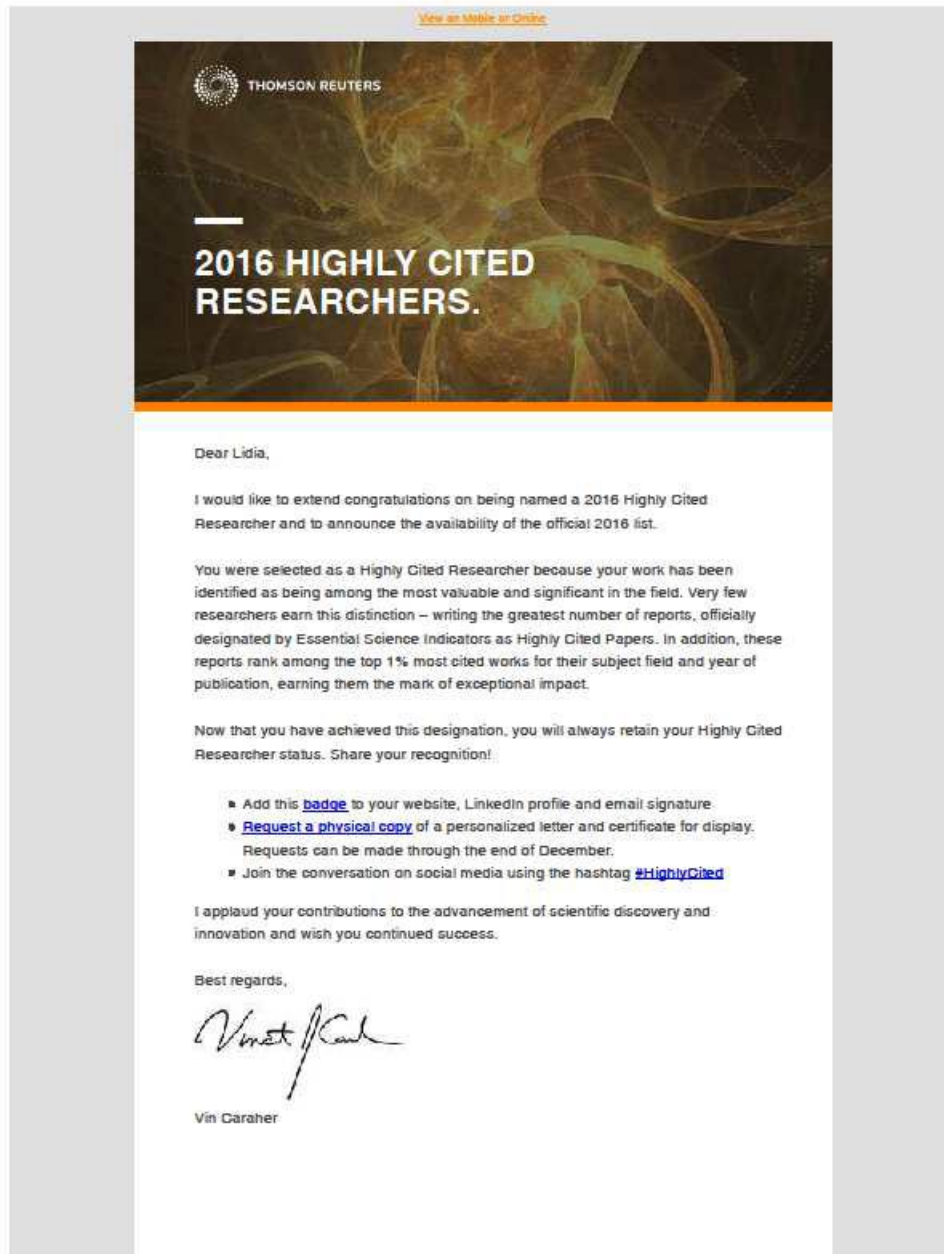


Excellence Diploma 2010
acordat de Universitatea Tehnică Cluj Napoca și Societatea BETAK pentru activitatea
deosebită în domeniul Coroziunii și Protecției Anticoroziive.
Excellence Diploma for Research Activity in Corrosion and Corrosion Protection.
Awarded by: Technical University of Cluj –Napoca and Industrial Factory BETAK S.A.



THOMSON REUTERS - 2016 HIGHLY CITED RESEARCHERS.





May 2024

Prof. Univ. Dr. (Ph.D.) Lidia BENEÀ