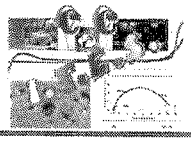

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http://www.cc-ites.ugal.ro/

Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

Anexa 5

FIŞA DE AUTOEVALUARE[1] : 2017

TOTAL A + B + C + D + E = 7478.01
4458.01 + 1475 + 20 + 945 + 580

TOTAL A (30 %) + B (30 %) + C (20 %) + D (10 %) + E (10 %)
1337.40 +442.5 + 4 + 94.50 +58 = 1936.4

1936.4

Nr. crt.	Denumire criteriu/pondere	Punctaj
A	**Performanţa în cercetarea ştiinţifică (30%)** **TOTAL A = 4458.01**	
A1	Articole publicate în reviste cotate ISI - Web of Science (Thomson Reuters) Anexa: Cap A_CC_ITES_Anexe_A1-A2 si A5_Articole publicate în reviste ISI_Impact publicatii_ISI Proceed	**348.5**
A2	Impactul publicaţiilor Anexa: Cap A_CC_ITES_Anexe_A1-A2 si A5_Articole publicate în reviste ISI_Impact publicatii_ISI Proceed	**90.58**
A3	Lucrari prezentate la manifestari ştiinţifice internaţionale, publicate in rezumat în reviste cotate ISI - Web of Science (Thomson Reuters)	-
A4	Articole publicate în reviste indexate în baze de date internaţionale Anexa: Cap A_CC_ITES_Anexea_A4_Articole publicate in reviste BDI	**10**
A5	Lucrari prezentate la manifestari ştiinţifice internaţionale, publicate integral într-un volum editat, inclusiv electronic (Conference Proceedings Citation Index- Science, Web of Science, Thomson Reuters) Anexa: Cap A_CC_ITES_Anexe_A1-A2 si A5_Articole publicate în reviste ISI_Impact publicatii_ISI Proceed	**246.83**
A6	Număr de citări conform Web of Science (Thomson Reuters) Anexa: Cap A_CC_ITES_Anexea_A6_Număr de citări conform Web of Science	**3620**
A7	Comunicări orale prezentate la manifestră ştiinţifice internaţionale Anexa: Cap A_CC_ITES_Anexea_A7_Comunicări orale prezentate la manifestari ştiinţifice internaţionale	**99.57**

[1] Se vor anexa dovezi

A8	Comunicări orale prezentate la manifestră ştiinţifice naţionale Anexa: Cap A_CC_ITES_Anexea_A8_Comunicări stiintifice prezentate la conferinte nationale	**12.53**
A9	Paticipare la o expoziţie naţională cu exponate de patrimoniu	-
A10	Paticipare la o expoziţie internaţională cu exponate de patrimoniu	-
A11	Traducerea unei cărţi de specialitate apărută în editura Academiei Române sau într-o editură recunoscută la nivel naţional Anexa: Cap A_CC-ITES_Anexa A11_Carte de specialitate într-o editură recunoscută la nivel naţional	**30**
A12	Gestionarea şi conservarea unui fond cultural şi / sau ştiinţific de interes naţional şi / sau internaţional	-
B	**Capacitatea de a atrage fonduri de cercetare** *(se vor lua in considerare doar sumele care au revenit unitatii de cercetare sau facultăţii în care aceasta funcţionează)/* **(30%)** **TOTAL: B = 1475 p**	
B1	Granturi câştigate /derulate de membrii unităţii de cercetare finanţate din fonduri internaţionale Anexa: Cap_B_CC_ITES_Anexe_B1 - B6_Capacitatea de a atrage fonduri de cercetare	**1 * 500** **500 p.**
B2	Granturi câştigate /derulate de membrii unităţii de cercetare finanţate din fonduri naţionale Anexa: Cap_B_CC_ITES_Anexe_B1 - B6_Capacitatea de a atrage fonduri de cercetare	**3 * 250** **750 p**
B3	Contracte extrabugetare câştigate /derulate de membrii unităţii de cercetare finanţate din fonduri naţionale/internaţionale	-
B4	Propuneri de proiecte elaborate de membrii UC în cadrul competitiilor naţionale/internaţionale Anexa: Anexa: Cap_B_CC_ITES_Anexe_B1 - B6_Capacitatea de a atrage fonduri de cercetare	**3 * 75** **225 p**
B5	Manifestări ştiinţifice (congrese, conferinţe, simpozioane) sau şcoli de vară internaţionale organizate de membrii unităţii de cercetare	-
B6	Manifestări ştiinţifice (congrese, conferinţe, simpozioane) sau şcoli de vară naţionale organizate de membrii unităţii de cercetare	-
C	**Capacitatea de a dezvolta servicii, tehnologii, produse (20%)** **TOTAL C = 20 p**	
C1	Cereri de brevet înregistrate la nivel internaţional de către membrii UC	-
C2	Cereri de brevet înregistrate la nivel naţional de către membrii UC Anexa: Cap_C_CC-ITES_Anexa_C2_Cereri brevet	**1 /** **20 p**
C3	Brevete acordate la nivel internaţional de către membrii UC	-
C4	Brevete acordate la nivel naţional de către membrii UC	-
C5	Produse/servicii/tehnologii rezultate din activităţi de cercetare, bazate pe brevete, omologări sau inovaţii proprii.	-
C6	Studii prospective şi tehnologice, normative, proceduri, metodologii şi planuri tehnice, noi sau perfecţionate, comandate sau utilizate de beneficiar.	-
D	**Capacitatea de a pregăti superior tineri cercetători (10%)** **TOTAL D = 945 p**	
D1	Conducători de doctorat care activează în unitatea de cercetare Anexa: Cap D_CC-ITES_Anexa D1-D2_Teze de doctorat	**1 /** **75 p**

D2	Doctoranzi care desfăşoară studii doctorale în unitatea de cercetare Anexa: Cap D_CC-ITES_Anexa D1-D2_Teze de doctorat	**4 / 200 p**
D3	Bursieri post-doctorat care desfăşoară stagii de cercetare în unitatea de cercetare	**-**
D4	Acorduri de colaborare internaţionale încheiate de unitatea de cercetare Anexa: Cap_D_CC-ITES_Anexa_D4_Acorduri internationale	**2 / 100 p**
D5	Acorduri de colaborare naţionale încheiate de unitatea de cercetare	**-**
D5	Stagii pentru cercetători din instituţii naţionale/internaţionale derulate în cadrul UC	**-**
D6	Studenţi/masternazi implicaţi în programe de licenţă/masterat care desfăşoară activitate de cercetare în UC Anexa: Anexa: Cap D_CC-ITES_Anexa D6_Studenti licenta - master	**19 / 570 p**
E	**Prestigiul ştiinţific (toată perioada de activitate) /(10%)** **TOTAL E = 580**	
E1	Membri în colectivele editoriale ale unor reviste internaţionale (cotate de Web of Science, Thomson Reuters) sau ale unor edituri internaţionale	**-**
E2	Membri în colectivele editoriale ale unor reviste indexate în baze de date internaţionale sau al unor edituri naţionale Anexa: Cap_E_Anexa_E1-E8_Prestigiul stiintific (toată perioada de activitate)	**100**
E3	Membri în conducerea unor organizaţii internaţionale de specialitate	**-**
E4	Cercetători din unitatea de cercetare membri ai Academiei Române sau a altor academii naţionale	**-**
E5	Membri de onoare (fellow, senior) ai unor societăţi ştiinţifice naţionale/internaţionale	**-**
E6	Premii ale Academiei Române Anexa: Cap_E_Anexa_E1-E8_Prestigiul ştiinţific (toată perioada de activitate)	**1 * 30 30 p**
E7	Referent stiintific al unor reviste cotate ISI sau al unor edituri internaţionale de renume Anexa: Cap_E_Anexa_E1-E8_Prestigiul ştiinţific (toată perioada de activitate).	**26 * 15 390 p**
E8	Referent stiintific al unor reviste indexate în baze de date internaţionale sau al unor edituri recunoscute la nivel naţional Anexa: Cap_E_Anexa_E1-E8_Prestigiul ştiinţific (toată perioada de activitate).	**6 * 10 60 p**

Nic – nr. autori din unitatea de cercetare
Na – nr. total de autori
UC – unitatea de cercetare
FiI – factor de impact

Director CC-ITES

Prof. univ. dr. chim. Lidia BENEA

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Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

ANEXA 3

În atenţia Serviciului de Cercetare, dezvoltare şi inovare,
Universitatea Dunărea de Jos din Galaţi

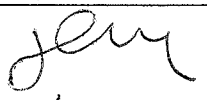
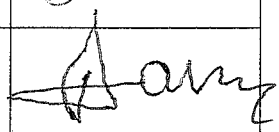
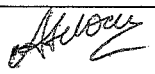
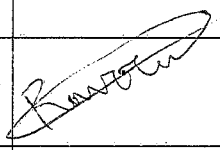
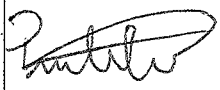
Subsemnatul/Subsemnata **BENEA Lidia**, **prof. univ. dr. chim. şi Director al Centrului de Cercetare CC-ITES**, (*nume, prenume, grad didactic şi de cercetare*), în calitate de responsabil al **U.C. Centrul de Competenţe Interfeţe-Tribocoroziune şi Sisteme Electrochimice, (CC-ITES)**, organizată în cadrul Departamentului **Ingineria Mediului şi Securităţii în Industrie (IMSI)**, din cadrul **Facultăţii de Inginerie**, solicit demararea procedurii de evaluare, acreditare şi ierhizare a unităţii de cercetare.

Activitatea de cercetare unităţii de cercetare se desfăşoară în domeniul fundamental

Cod DFI=20 / Ştiinţe inginereşti
Cod RSI= 70 / Inginerie mecanică, mecatronică, inginerie industrială şi management.
Cod DSU_D / M = 10 / Ingineria materialelor

Membrii care şi-au exprimat acordul de a activa în cadrul unităţii de cercetare şi a căror activitate va fi evaluată pentru **perioada anului 2017** sunt cuprinşi în tabelul următor:

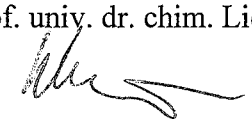
Nr.	Nume, Prenume	Grad didactic/de cercetare	Obsv*	Semnătura
1	BENEA Lidia	Director Prof. dr. chim	titular	
2	CIUBOTARIU (MUREŞAN) Alina Crina	Director ştiinţific S.L. dr. chim.	titular	
3	DRAGAN Viorel	Director executiv/ Titular Conf. dr. ing.	titular	
4	BALTĂ Ştefan	Responsabil laborator sisteme membranare	titular	
5	CHIRIAC Alexandru	Responsabil lab toxicologie Prof. dr. ing. farm.	titular	

6	DUMITRAŞCU Valentin Marian	Comisia calitate/ membru	Doctorand asociat	
7	BALINT Simion Ioan	Conf. dr. ing Resp. pag. Web	titular	
8	SIMIONESCU Nicoleta	Drd. membru	Doctorand asociat	
9	RAVOIU Anca	Drd. membru	Doctorand asociat	
10	PINTILIE Ştefan	Drd. membru	Doctorand asociat	
11	MARDARE Laurenţiu	Drd. membru	Doctorand asociat	
12	GOROVEI Claudia Mihaela	Drd. membru	Doctorand asociat	
13	LAZAR Andreea Liliana	Tehnician / membru	titular	

*Se specifică calitatea (membru titular sau membru asociat) și dacă deține funcție .

Data: 27.06.2018

Coordonator unitate de cercetare,
Prof. univ. dr. chim. Lidia BENEA



CUPRINS

Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

A. Performanţa în cercetarea ştiinţifică (30%)
TOTAL A1+A2+A5 = 685.91
A1 + A2 + A5 = 348.5 + 90.58 + 246.83 = 685.91 p

A.1. Articole publicate în reviste cotate ISI - Web of Science (Thomson Reuters)
348.5 p

A.2. Impactul publicaţiilor
90.58 p

A.5. Lucrari prezentate la manifestari ştiinţifice internaţionale, publicate integral într-un volum editat, inclusiv electronic (Conference Proceedings Citation Index- Science, Web of Science, Thomson Reuters)
246.83 p

A.1.1.

Autori	**Valentin Marian Dumitraşcu, Lidia Benea**
Articol	*Improving the Corrosion Behaviour of 6061 Aluminum Alloy by Controlled Anodic Formed Oxide Layer*
Revista	Revista de Chimie, Volume 68, No. 1, Pages: 77-80, 2017.
ISSN	0034-7752
SRI (scor relativ de influenta)	**0.164**
Factor de impact	**1.232**
DOI	-
Accession Number	-
Anexa 5 Punctaj A1.6 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/2= **30**
A2.6 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	(35*1.232) + (70*0.164)= 43.12 + 11.48 = **54.60**

A.1.2.

Autori	**Stefan Catalin PINTILIE, Laurentia Geanina TIRON, Iulian**

	Gabriel BIRSAN, Daniel GANEA, Stefan BALTA,
Articol	*INFLUENCE OF ZnO NANOPARTICLE SIZE AND CONCENTRATION ON THE POLYSULFONE MEMBRANE PERFORMANCE*
Revista	Revista Romana de Materiale - Romanian Journal of Materials, Vol.54 (2), pg. 257-261, 2017
ISSN	0025-5289
SRI (scor relativ de influenta)	**0.125**
Factor de impact	**0.778**
DOI	-
Accession Number	-
Anexa 5 Punctaj A1.7 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*1/5= **6**
A2.7 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	(35*0.778) + (70*0.125)= 27.23+8.75 = **35.98**

A.1.3.

Autori	**Valentin Dumitrașcu, Lidia Benea, Eliza Dănăilă**
Articol	***Characterization of nanoporous aluminum oxide layers obtained by controlled anodic oxidation***
Revista	Nano, Bio and Green – Technologies for a Sustainable Future, Conference Proceedings, Proceedings of 17th International Multidisciplinary Scientific GeoConference SGEM 2017, Vol. 17 – Micro and Nano Technologies, p. 43–50, 2017
ISSN	1314-2704
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	DOI: 10.5593/sgem2017/61/S24.006
Accession Number	WOS:000391648800022
Anexa 5 Punctaj A1.15 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/3= **20**
A2.15 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.1 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*2/3= **10**

A1.4.

Autori	**Valentin Dumitrașcu, Lidia Benea, Eliza Dănăilă**
Articol	***Influence of the sealing process on the corrosion performance of nanoporous aluminum oxide***
Revista	Nano, Bio and Green – Technologies for a Sustainable Future, Conference Proceedings, *Proceedings of 17th International Multidisciplinary Scientific GeoConference SGEM 2017,* Vol. 17 – Micro and Nano Technologies, p. 171–178, 2017
ISSN	1314-2704
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	DOI:10.5593/sgem2017/61/S24.023
Accession Number	WOS:000391650000007
Anexa 5 Punctaj A1.16 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/3= **20**
A2.16 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.2 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*2/3= **10**

A.1.5.

Autori	**Valentin Dumitrașcu, Lidia Benea, Eliza Dănăilă**
Articol	***Corrosion behaviour of aluminum oxide film growth by controlled anodic oxidation***
Revista	*IOP Conference Series: Materials Science and Engineering*, Vol. 209, 2017, Article number 012016
ISSN	1757-8981.
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	DOI: 10.1088/1757-899X/209/1/012016
Accession Number	-
Anexa 5 Punctaj A1.17 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/3= **20**
A2.17 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.3 15*Nic / Na Nic= nr autori centru	15*2/3= **10**

Na=nr total autori	

A.1.6.

Autori	**M. LAURENTIU, L. BENEA**
Articol	***Development of Anticorrosive Polymer Nanocomposite Coating for Corrosion Protection in Marine Environment***
Revista	Materials Science and Engineering 209 (2017) 012056
ISSN	-
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	doi:10.1088/1757-899X/209/1/012056
Accession Number	-
Anexa 5 Punctaj A1.18 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/2= **30**
A2.18 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.4 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*2/2= **15**

A.1.7.

Autori	**M. LAURENTIU, L. BENEA**
Articol	***Corrosion Of Architecture And Infrastructure Elements In Romanian Black Sea Littoral Area***
Revista	SGEM2017 Conference Proceedings, ISBN 978-619-7408-13-3, 29 June - 5 July, 2017, Vol. 17, Issue 62, 73-80 pp,
ISSN	1314-2704
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	DOI: 10.5593/sgem2017/62/S26.010
Accession Number	-
Anexa 5 Punctaj A1.19 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/2= **30**
A2.19 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.5 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*2/2= **15**

A.1.8.

Autori	**Nicoleta-Lucica SIMIONESCU, Lidia BENEA**
Articol	***The corrosion behaviour of 316L stainless steel in different simulated body fluids solutions***
Revista	Proceedings of 17th International Multidisciplinary Scientific GeoConference SGEM 2017, Book Issue 61 – Nano, Bio and Green – Technologies for a Sustainable Future– Micro and Nano Technologies, Advances in Biotechnology, Pages 353-360
ISSN	1314-2704
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	DOI: 10.5593/SGEM2017/61
Accession Number	-
Anexa 5 Punctaj A1.20 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/2= **30**
A2.20 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.6 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*2/2= **15**

A.1.9.

Autori	**Lidia Benea, Eliza Danaila**
Articol	***Development of Electrodeposited Zn/nano-TiO2 Composite Coatings with Enhanced Corrosion Performance***
Revista	International Conference on Innovative Research — ICIR EUROINVENT 2017 IOP Publishing IOP Conf. Series: Materials Science and Engineering **209** (2017) 012014.
ISSN	-
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	doi:10.1088/1757-899X/209/1/012014
Accession Number	-
Anexa 5 Punctaj A1.21 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*1/2= **15**
A2.21 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de	-

influenta	
A5.7 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*1/2= **7.5**

A.1.10.

Autori	**Lidia Benea, Eliza Danaila**
Articol	***The Effect of Normal Force on Tribocorrosion Behaviour of Ti-10Zr Alloy and Porous TiO2-ZrO2 Thin Film Electrochemical Formed.***
Revista	International Conference on Innovative Research — ICIR EUROINVENT 2017 IOP PublishingIOP Conf. Series: Materials Science and Engineering **209** (2017) 012015.
ISSN	-
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	doi: 10.1088/1757-899X/209/1/012015.
Accession Number	-
Anexa 5 Punctaj A1.22 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*1/2= **15**
A2.22 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.8 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*1/2= **7.5**

A.1.11.

Autori	**Anca Răvoiu, Lidia Benea**
Articol	***The pH value effect of a simulated physiological solution on the corrosion resistance of ti-6al-4v alloy***
Revista	17th International multidisciplinary scientific geoconference, SGEM 2017, Conference proceedings, Volume 17. Nano, bio and green – technologies for a sustainable future, issue 61, Section micro and nano technologies, 29 June - 5 July, 2017, Albena, Bulgaria
ISSN	1314-2704
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	https://doi.org/10.5593/sgem2017/61
Accession Number	-
Anexa 5 Punctaj A1.23 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/2= **30**

A2.23 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.9 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*2/2= **15**

A.1.12.

Autori	**Lidia Benea**
Articol	***Bio and nanomaterials in tribocorrosion systems***
Revista	Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 174, conference 1 2017 *1757-899X* **174** 012042 http://iopscience.iop.org/1757-899X/174/1/012042
ISSN	-
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	**doi:10.1088/1757-899X/174/1/012042**
Accession Number	
Anexa 5 Punctaj A1.24 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*1/1= **30**
A2.24 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.10 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*1/1= **15**

A.1.13.

Autori	**L Benea, E Dănăilă and P Ponthiaux**
Articol	*Porous TiO_2-ZrO_2 thin film formed by electrochemical technique to improve the biocompatibility of titanium alloy in physiological environment*
Revista	Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 174, conference 1 2017 *1757-899X* **174** 012044
ISSN	-
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	doi:10.1088/1757-899X/174/1/012044
Accession Number	-
Anexa 5 Punctaj	

A1.25 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*2/3= **20**
A2.25 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.11 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*2/3= **10**

A.1.14.

Autori	Lidia Benea, **Eliza Dănăilă, Pierre Ponthiaux and Jean-Pierre Celis**
Articol	*Improving tribocorroson behaviour by electro-codeposition of TiC nano-dispersed particles with nickel as hybrid layers for energy applications*
Revista	Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 174, conference 1 2017 *1757-899X* **174** 012045
ISSN	-
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	**doi:10.1088/1757-899X/174/1/012045**
Accession Number	
Anexa 5 Punctaj A1.26 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*3/4= **22.5**
A2.26 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.12 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*3/4= **11.25**

A.1.15.

Autori	**Viorel Mircea Dragan**
Articol	*HEALTH RISK MANAGEMENT IN AN ER HOSPITAL*
Revista	The Proceedings of the International Conference Globalization, Intercultural Dialogue and National Identity ,GIDNI 2 SOCIAL SCIENCES AND MANAGEMENT, , 2017,18-19 May Tîrgu-Mureş, , p 189-199
ISSN	987-606-8624 01-3-5-8
SRI (scor relativ de influenta)	-
Factor de impact	-
DOI	-

Accession Number	-
Anexa 5 Punctaj A1.27 30*Nic / Na Nic= nr autori centru Na=nr total autori	30*1/1= **30**
A2.27 (35*FI) + (70*SRI) FI=factor impact SRI= scor relativ de influenta	-
A5.13 15*Nic / Na Nic= nr autori centru Na=nr total autori	15*1/1= **15**

Total punctaj fişă de autoevaluare Anexa 5: A1 + A2 + A5
348.5 + 90.58 + 246.83 = 685.91 p

Nr.crt	Performanţă în cercetare stiinţifică	Punctaj total
A1	Articole publicate în reviste cotate ISI - Web of Science (Thomson Reuters)	**348.5**
A2	Impactul publicaţiilor	**90.58**
A5	Lucrari prezentate la manifestari ştiinţifice internaţionale, publicate integral într-un volum editat, inclusiv electronic (Conference Proceedings Citation Index- Science, Web of Science, Thomson Reuters)	**246.83**

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Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

A. Performanţa în cercetarea ştiinţifică (30%)
TOTAL A4 = 10 p

A4. Articole publicate în reviste indexate în baze de date internaţionale
10 p

Lucrări ştiinţifice/tehnice în reviste indexate în baze de date internaţionale

2017	**Total = 1**
1. Marian-Iulian NEACŞU, Viorel DRAGAN, ***Influence On Reduction Scheme Hardness Cold Rolled Strip Mark Steel St 12,*** THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI FASCICLE IX. METALLURGY AND MATERIALS SCIENCE No . 4 - 2017, pag.58-62, *GALATI UNIVERSITY PRESS, ISSN 1453-083X,*	
Anexa 5. Punctaj A4 20*Nic/Na (Nic= nr autori centru, Na=nr total autori)	20*2/2= **10**

Total lucrări ştiinţifice/tehnice în reviste indexate în baze de date internaţionale 2017 = 10

Total punctaj fişă de autoevaluare Anexa 5: A4
TOTAL A4 = 10

Nr.crt	Performanţă în cercetare stiinţifică	Punctaj total
A4	Articole publicate în reviste indexate în baze de date internaţionale	**10**

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Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

A. Performanţa în cercetarea ştiinţifică (30%)
TOTAL A6 = 3620 p

A6. Număr de citări conform Web of Science (Thomson Reuters)
3620 p

Citări în reviste de specialitate cotate ISI.

	Citări în reviste de specialitate cotate ISI-2017	Total = 170
	1. Articolul ISI: Ciubotariu A., Benea L., Lakatos-Varsanyi M., Dragan V. **Electrochemical impedance spectroscopy and corrosion behaviour of Al_2O_3-Ni nano composite coatings. (2008)** *Electrochimica Acta*, 53 (13), pp. 4557-4563. **DOI: 10.1016/j.electacta.2008.01.020** **Citat de 19 ori in 2017 in reviste cotate ISI:**	
1.1.	Kailin Zhao, Lida Shen, Mingbo Qiu, Zongjun Tian, Wei Jiang, *Preparation and Properties of Nanocomposite Coatings by Pulsed Current-Jet Electrodeposition*, Int. J. Electrochem. Sci., 12 (2017) 8578 – 8590, doi: 10.20964/2017.09.04	
1.2.	S. A. Lajevardia, T. Shahrabi, and J. A. Szpunar, *Tribological Properties of Functionally Graded Ni-Al2O3 Nanocomposite Coating*, J. Electrochem. Soc. 2017 volume 164, issue 6, D275-D281, doi: 10.1149/2.0731706jes	
1.3.	*Nabeel Alharthi, El-Sayed M. Sherif, Hany S. Abdo, and S. Zein El Abedin*, Effect of Nickel Content on the Corrosion Resistance of Iron-Nickel Alloys in Concentrated Hydrochloric Acid Pickling Solutions, *Advances in Materials Science and Engineering , Volume 2017 (2017), Article ID 1893672, https://doi.org/10.1155/2017/1893672*	
1.4.	Yanyun Fana, Jia Yangb, Liangxing Jianga, Ying Wanga, Boon K. Ng, Heng Sun, Yanqing Lai, Jie Li and Fangyang Liu, *Effects of Illumination on the Electrochemical Behavior of Selenium Electrodeposition on ITO Substrates*, J. Electrochem. Soc. 2017 volume 164, issue 4, H225-H231 doi: 10.1149/2.1481704jes	
1.5.	*Ye Lv ,Shujiang Geng, Zhongning Sh*, Effect of pH of the galvanic bath on electrodeposition of Cu-Mn3O4 composite coatings, *Materials Chemistry and Physics Volume 189, 1 March 2017, Pages 176-182* https://doi.org/10.1016/j.matchemphys.2016.12.052	
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1.10.	Abro, Désiré M. K.; Dable, Pierre Jean Marie Richard; Amstutz, Véronique; Kwa-Koffi, Edith Kouassi; Girault, Hubert, *Forced Electrocodeposition of Silica Particles into Nickel Matrix by Horizontal Impinging Jet Cell,* Journal of Materials Science and Chemical Engineering (ISSN: 2327-6053), vol. 05, num. 02, p. 51-63, doi:10.4236/msce.2017.52006
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27.1	Yu, X., Xu, R., Wei, C., Wu, H., *Removal of cyanide compounds from coking wastewater by ferrous sulfate: Improvement of biodegradability*, 2016, Source of the DocumentJournal of Hazardous Materials, 302, pp. 468-474.
28. Carac G., **Benea L.**, Iticescu C., Lampke T., Steinhauser S., Wielage B.; *Codeposition of cerium oxide with nickel and cobalt: Correlation between microstructure and microhardness*, (2004) Surface Engineering, 20 (5), pp. 353-359. DOI: 10.1179/026708404X1134. **Citat de 1 ori in articole cotate ISI in 2016.**	
28.1	M.Aliofkhazraei, R. Shoja Gharabagh, M. Teimouri, M. Ahmadzadeh,H. Hasannejad, A. Seyfoori, *Effect of cerium ion addition on corrosion and wear characteristics of plasma electrolytic oxidation coating of CP-Ti*, Protection of Metals and Physical Chemistry of Surfaces, November 2016, Volume 52, Issue 6, pp 1093–1099

Total citări în reviste de specialitate cotate ISI –2016+2017 = 192+170 = 362

Total punctaj fişă de autoevaluare Anexa 5: A6

Nr.crt	Performanţă în cercetare ştiinţifică	Punctaj	Punctaj total
A6	Număr de citări conform Web of Science (Thomson Reuters)	10 p / citare 10*362=**3620**	**3620**

Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

A. Performanţa în cercetarea ştiinţifică (30%)
TOTAL A7 = 99.57 p

A.7. Comunicări ştiinţifice prezentate la conferinţe internaţionale
99.57

2017	Total = 24
1. Oral presentation. Valentin Marian Dumitraşcu, Lidia Benea, **Nanostructuration of material surfaces by top-down electrochemical techniques**, *4th Edition of the International Conference "New Trends in Environmental and Materials Engineering" – TEME 2017*, p. 27 – Book of Abstracts, http://www.teme.ugal.ro/Book-of-abstracts.pdf	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/2= **5**
2. Oral presentation. Lidia Benea, Valentin Dumitraşcu, **Nanostructuration and functionalization of materials and biomaterials by electrochemical methods - a promising route**, *4th Edition of the International Conference "New Trends in Environmental and Materials Engineering" – TEME 2017*, p. 22 – Book of Abstracts, http://www.teme.ugal.ro/Book-of-abstracts.pdf	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/2= **5**
3. Oral presentation. Marius Socola, Valentin Marian Dumitraşcu, Sorina Picioruş, Lidia Benea, **Comparative corrosion evaluation of galvanized steel passivated with trivalent and hexavalent chromium solutions**, *4th Edition of the International Conference "New Trends in Environmental and Materials Engineering" – TEME 2017*, p. 21 – Book of Abstracts, http://www.teme.ugal.ro/Book-of-abstracts.pdf	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*3/4= **4**
4. Oral presentation: Valentin Marian Dumitraşcu, Lidia Benea, Eliza Dănăilă, **Characterization of the nanoporous aluminum oxide layer obtained by controlled anodic oxidation**, *17th*	

International Multidisciplinary Scientific GeoConference – SGEM 2017, Section: Micro and Nano Technologies, http://www.sgem.org/index.php/sgem-deadline/sgem-programme2017
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori) — 5*3/3= **5**
5. Oral presentation - Valentin Marian Dumitrașcu, Lidia Benea, Eliza Dănăilă, **Influence of the sealing process on the corrosion performance of nanoporous aluminum oxide**, *17th International Multidisciplinary Scientific GeoConference – SGEM 2017*, Section: Micro and Nano Technologies, http://www.sgem.org/index.php/sgem-deadline/sgem-programme2017
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori) — 5*3/3= **5**
6. Oral presentation: Valentin Marian Dumitrașcu, Lidia Benea, Eliza Dănăilă, Nicoleta Lucica Simionescu, **Corrosion behavior of aluminum oxide film growth by controlled anodic oxidation**, *International Conference on Innovative Research – ICIR EUROINVENT 2017*, Section I: Synsthesis and characterization of materials, p. 39 – Book of Abstracts http://www.euroinvent.org/cat/ICIR_2017.pdf
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori) — 5*4/3= **6.66**
7. Oral presentation: Valentin Marian Dumitrascu, Lidia Benea, **Enhancing the anticorrosion properties of anodic oxide film by sealing process**, *7th Virtual Nanotechnology Poster Conference – Nanoposter 2017*, ID: P17-15, http://www.nanopaprika.eu/group/nanoposter/page/p17-15
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori) — 5*2/2= **5**
8. Oral presentation: Valentin Marian Dumitrașcu, Lidia Benea, **The influence of the anodizing parameters on the morphology and corrosion resistance of 1050 aluminium alloy**, *5th Edition of Scientific Conference of Doctoral Schools from "Dunărea de Jos" University of Galați*, Section 1: Advanced research in mechanical engineering, industrial engineering and electrical /electronic engineering, O.P. 1.7, p. 36 – Book of Abstracts Această lucrare a primit premiul II la Section 1: Advanced research in mechanical engineering, industrial engineering and electrical /electronic engineering. http://www.cssd-udjg.ugal.ro/index.php/abstracts-2017
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori) — 5*2/2= **5**
9. Oral presentation: **Laurentiu Mardare,** Lidia Benea, **Development of Anticorrosive Polymer Nanocomposite Coating for Corrosion Protection in Marine Environment**, International Conference on Innovative Research. May 25th to 26th, 2017. Iasi – Romania DOI: 10.1088/1757-899X/209/1/012056

http://www.euroinvent.org/conference/doc/Program_ICIR_2017.pdf	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/2= **5**

10. Oral presentation – **Laurentiu Mardare,** Lidia Benea, **Impact Of Marine Environment On Behavior Corrosion POLYMER COATINGS In Constanta Port Area** Section: Micro and Nano Technologies. https://www.sgem.org/documents/programme/_Day5_Programme_WIND%20Hall.pdf	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/2= **5**

11. Oral presentation – **Laurentiu Mardare,** Lidia Benea, **Corrosion Of Architecture And Infrastructure Elements In Romanian Black Sea Littoral Area,** Section: Green Buildings Technologies and Materials. https://www.sgem.org/documents/programme/_Day5_Programme_WIND%20Hall.pdf	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/2= **5**

12. Oral presentation - **Laurentiu Mardare,** Lidia Benea, **Degradation Of Marine Structures By Corrosion And Prevention Methods**, The IVth edition of the international conference of young researchers, 25th - 27th October 2017, Galati, Romania. http://www.teme.ugal.ro/Program_TEME_2017.pdf	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/2= **5**

13. Oral presentation – Laurentiu MARDARE, Lidia BENEA, The influence of TIO2 nanoparticles added to polymeric coatings on corrosion behavior of coated naval steel in marine environment, SECTION 1: **Advanced Research In Mechanical Engineering, Industrial Engineering, Electrical Engineering And Systems Engineering,** http://www.cssd-udjg.ugal.ro/files/2017/Detailed_Conference_Programme_2.pdf.	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/2= **5**

14. Poster presentation: Aprilie 2017: *3rd International Conference on Desalination using Membrane Technology, Spania* cu lucrarea **THE INFLUENCE OF NANOPARTICLE TYPE ON THE ORGANIC-INORGANIC MEMBRANES USED FOR WASTEWATER TREATMENT** - Ștefan Cătălin PINTILIE, Laurenția Geanina TIRON, Andreea Liliana LAZAR, Maria VLAD, Iulian - Gabriel BIRSAN, Ștefan Baltă	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*3/6= **2.5**

15. Poster presentation: Mai 2017: 29th European Symposium on Applied Thermodynamics – ESAT 2017, București cu lucrarea **INFLUENCE OF POLYMER CONCENTRATION ON MEMBRANE PERFORMANCE IN WASTEWATER TREATMENT** - Laurenția Geanina	

TIRON, Ştefan Cătălin PINTILIE, Andreea Liliana LAZĂR, Maria VLAD, Ştefan BALTĂ, Marius BODOR

Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*3/6= **2.5**

16. Poster presentation: - Mai 2017: International Conference on Innovative Research, Iaşi cu lucrarea CHARACTERIZATION OF POLYSULFONE MEMBRANES PREPARED WITH THERMALLY INDUCED PHASE SEPARATION TECHNIQUE - Laurenţia Geanina TIRON, Ştefan Cătălin PINTILIE, Maria VLAD, Iulian - Gabriel BIRSAN, Ştefan BALTĂ

Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/5= **2**

17. Oral presentation: - Iunie 2017: 17th International Multidisciplinary Scientific GeoConference SGEM 2017, Bulgaria cu lucrarea THE INFLUENCE OF THE POLYSULFONE CONCENTRATION ON MEMBRANE RETENTION PROPERTIES - Laurenţia Geanina TIRON, Ştefan Cătălin PINTILIE, Maria VLAD, Ştefan BALTĂ, Andreea Liliana LAZĂR

Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*3/5= **3**

18. Poster presentation: - Iunie 2017: 17th International Multidisciplinary Scientific GeoConference SGEM 2017, Bulgaria cu lucrarea NANOPARTICLE EMBEDDED MIXED MATRIX PSf MEMBRANES CHARACTERIZATION AND MEMBRANE PERFORMANCE - Ştefan Cătălin PINTILIE, Laurenţia Geanina TIRON, Andreea Liliana LAZĂR, Iulian Gabriel BÎRSAN, Ştefan BALTĂ

Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*3/5= **3**

19. Oral presentation: Octombrie 2017: *International Conference of Young Researchers* cu lucrarea **RESEARCH ON MEMBRANES WITH DIFFERENT THICKNESSES AND CONCENTRATIONS OF POLYSULFONE WITH APPLICATION ON WASTEWATER TREATMENT** - Laurenţia Geanina TIRON, Ştefan Cătălin PINTILIE, Ştefan BALTĂ, Maria VLAD

Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/4= **2.5**

20. Oral presentation: Octombrie 2017: *International Conference of Young Researchers* cu lucrarea **PERFORMANCE OF [PAC/Psf]-MIXED MATRIX MEMBRANE USED IN DYE WASTEWATER TREATMENT** - Ştefan Cătălin PINTILIE, Laurenţia Geanina TIRON, Andreea Liliana LAZĂR, Stefan BALTĂ, Iulian Gabriel BÎRSAN

Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*3/5= **3**

21. Poster presentation: Nicoleta-Lucica SIMIONESCU, Lidia BENEA, ***The corrosion behaviour of 316L stainless steel in different simulated body fluids solutions.*** https://www.sgem.org/documents/programme/_Day6_Programme_POSTER.pdf 17th edition of the SGEM International GeoConferences, 27 Iunie - 6 Iulie, 2017, Albena Resort,

Bulgaria, http://www.sgem.org/	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*2/2= **5**
22. Oral presentation: *29th European Symposium on Applied Thermodynamics – ESAT 2017, București* cu lucrarea **INFLUENCE OF POLYMER CONCENTRATION ON MEMBRANE PERFORMANCE IN WASTEWATER TREATMENT** - Laurenția Geanina TIRON, Ștefan Cătălin PINTILIE, Andreea Liliana LAZĂR, Maria VLAD, Ștefan BALTĂ, Marius BODOR	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*3/6= **2.5**
23. Oral presentation: Ana Maria ARCUȘ, Mircea Viorel DRĂGAN, Vasile BAȘLIU ,Laurenți Geanina TIRON- EVALUATION OF THE ENVIRONMENTAL IMPACT OF THE ACTIVITIES EVALUATION OF THE ENVIRONMENTAL IMPACT OF THE ACTIVITIES CARRIED CARRIED OUT IN THE AREA OF MURIGHIOL CHANNEL TULCEA COUNTY OUT IN THE AREA OF MURIGHIOL CHANNEL TULCEA COUNTY ,Teme 2017	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*1/4= **1.25**
24. Oral presentation: Carmen Duma, Viorel Mircea Drăgan, Vasile Bașliu -ENVIRONMENTAL MONITORING FROM AN SPACE CORRESPONDING TO A HIGHER EDUCATION INSTITUTION, Teme 2017	
Anexa 5. Punctaj A7 5*Nic/Na (Nic= nr autori centru,Na=nr total autori)	5*1/3= **1.66**

Total comunicări ştiinţifice prezentate la conferinţe internaţionale 2017 = 24

Total punctaj fişă de autoevaluare Anexa 5: A7
TOTAl A7 = 99.57

Nr.crt	Performanţă în cercetare stiinţifică	Punctaj total
A7	Comunicări orale prezentate la manifestari ştiinţifice internaţionale	**99.57**

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Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

A. Performanţa în cercetarea ştiinţifică (30%)
TOTAL A8 = 12.53 p

A.8. Comunicări ştiinţifice prezentate la conferinţe naţionale
12.53 p

Comunicări ştiinţifice prezentate la conferinţe naţionale

2017	Total = 6
1. Oral presentation: Valentin Marian Dumitraşcu, Lidia Benea, **The influence of the anodizing parameters on the morphology and corrosion resistance of 1050 aluminium alloy**, *5th Edition of Scientific Conference of Doctoral Schools from "Dunărea de Jos" University of Galaţi*, Section 1: Advanced research in mechanical engineering, industrial engineering and electrical /electronic engineering, O.P. 1.7, p. 36 – Book of Abstracts Această lucrare a primit premiul II la Section 1: Advanced research in mechanical engineering, industrial engineering and electrical /electronic engineering. http://www.cssd-udjg.ugal.ro/index.php/abstracts-2017	
Anexa 5. Punctaj A8 3*Nic/Na (Nic= nr autori centru,Na=nr total autori)	3*2/2= **3**
2. Oral presentation: Laurentiu MARDARE, Lidia BENEA, The influence of TIO2 nanoparticles added to polymeric coatings on corrosion behavior of coated naval steel in marine environment, SECTION 1: **Advanced Research In Mechanical Engineering, Industrial Engineering, Electrical Engineering And Systems Engineering**, http://www.cssd-udjg.ugal.ro/files/2017/Detailed_Conference_Programme_2.pdf. 5th Edition of Scientific Conference of Doctoral Schools from "Dunarea de Jos" University of Galaţi, 8- 9 Iunie 2017, Galaţi, România. http://www.cssd-udjg.ugal.ro/	
Anexa 5. Punctaj A8 3*Nic/Na (Nic= nr autori centru,Na=nr total autori)	3*2/2= **3**
3. Oral presentation: Iunie 2017: *Scientific Conference of the Doctoral Schools of Dunărea de Jos* cu lucrarea **INFLUENCE OF ACTIVATED CARBON BLENDED IN POLYSULFONE MATRIX MEMBRANE USED IN WASTEWATER TREATMENT -**	

Ştefan Cătălin PINTILIE, Laurenţia Geanina TIRON, Andreea Liliana LAZĂR, Stefan BALTĂ, Iulian Gabriel BÎRSAN, Maria VLAD, Vasile BAŞLIU	
Anexa 5. Punctaj A8 3*Nic/Na (Nic= nr autori centru,Na=nr total autori)	3*3/7= **1.28**
4. Oral presentation: Iunie 2017: *Scientific Conference of the Doctoral Schools of Dunărea de Jos* cu lucrarea **INFLUENCE OF POLYMER CASTING THICKNESS ON THE MEMBRANE PROPERTIES** - Laurenţia Geanina TIRON, Ştefan Cătălin PINTILIE, Ştefan BALTĂ, Maria VLAD	
Anexa 5. Punctaj A8 3*Nic/Na (Nic= nr autori centru,Na=nr total autori)	3*2/4= **1.5**
5. Oral presentation – -Lucica SIMIONESCU, Lidia BENEA, ***An Electrochemical Study of 316L Stainless Steel as an Effective Biomaterial for Orthodontic Applications***, Sesiunea 4: Advanced Investigation Methods in Environment and Biohealth, pg. 62 – Book of Abstract Această lucrare a primit premiul III la Session 4: Advanced Investigation Methods in Environment and Biohealth. http://www.cssd-udjg.ugal.ro/files/2017/Program_detaliat_al_conferintei_2017_FINAL.pdf http://www.cssd-udjg.ugal.ro/index.php/prizes **5th Edition of Scientific Conference of Doctoral Schools from "Dunarea de Jos" University of Galaţi**, 8–9 Iunie 2017, Galaţi, România. http://www.cssd-udjg.ugal.ro/	
Anexa 5. Punctaj A8 3*Nic/Na (Nic= nr autori centru,Na=nr total autori)	3*2/2= **3**
6. Oral presentation – Vasile Başliu, Carmen Duma, Viorel Mircea Drăgan, Nicolae Diaconu-Tehnologii de reciclare avansată a unor aliaje utilizate în aplicaţii din domeniul medical. 15 Decembrie 2017 Simpozionul ştiinţific cu tema:SIMPOZION NAŢIONAL CU PARTICIPARE INTERNAŢIONALĂ BIOMATERIALE INTELIGENTE Organizat de:Departamentul „Ştiinta şi Ingineria Materialelor"Centru de Cercetare „Calitatea Materialelor si a Mediului	
Anexa 5. Punctaj A8 3*Nic/Na (Nic= nr autori centru,Na=nr total autori)	3*1/4= **0.75**

Total Comunicări ştiinţifice prezentate la conferinţe naţionale – 2017 = 6

Total punctaj fişă de autoevaluare Anexa 5: A8 = 12.53

Nr.crt	Performanţă în cercetare stiinţifică	Punctaj total
A8	Comunicări orale prezentate la manifestari ştiinţifice nationale	**12.53**

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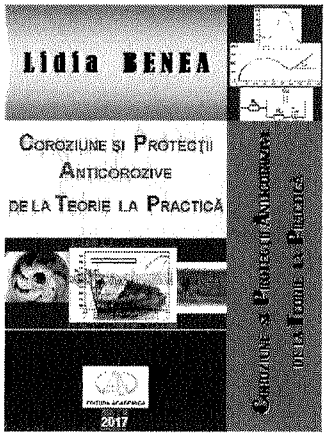
Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

A. Performanţa în cercetarea ştiinţifică (30%)
TOTAL A11 = 30 p

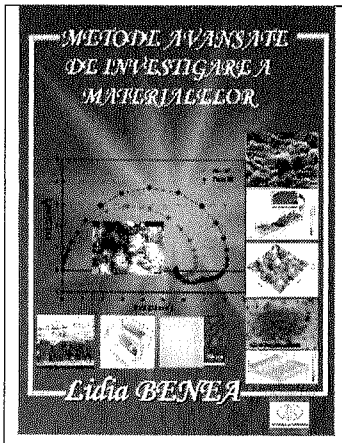
A.11. Traducerea unei cărţi de specialitate apărută în editura Academiei Române sau într-o editură recunoscută la nivel naţional
15*2 = 30 p

COROZIUNE ŞI PROTECŢII ANTICOROZIVE
- DE LA TEORIE LA PRACTICĂ -



AUTOR: Prof. univ. dr. Lidia BENEA
ISBN: 978-973-8937-99-4
Nr. de pagini: 410
Editura: Academica.

Monografia ştiinţifică **COROZIUNE ŞI PROTECŢII ANTICOROZIVE - DE LA TEORIE LA PRACTICĂ** elaborată de **prof. univ. dr. Lidia BENEA** de la Centrul de Competenţe Interfeţe-Tribocoroziune şi Sisteme Electrochimice, Facultatea de Inginerie a Universităţii *Dunărea de Jos* din Galaţi reprezintă o acumulare de informaţii ştiinţifice obţinute în decursul multor ani de activitate didactică şi de cercetare în domeniul electrochimiei, coroziunii şi protecţiilor anticorozive. Apariţia cărţii este benefică, fiind în corelare directă cu orele de curs şi laborator desfăşurate atât în cadrul Facultăţii de Inginerie, cât şi ca profesor şi cercetător invitat la instituţii de învăţământ superior de prestigiu din Europa, cum sunt: Laboratoire Génie des Procédés et Matériaux din l'École Centrale Paris, Department of Materials Engineering din Katholieke Universiteit Leuven, sau Department of Materials Engineering din Trento University.
Monografia este o lucrare cu caracter interdisciplinar, ce abordează un domeniu ce şi-a păstrat actualitatea, deoarece coroziunea este o problemă majoră pentru creşterea duratei de viaţă a materialelor metalice în mediile şi în domeniul lor de utilizare. Subiectul are o importanţă deosebită ştiinţifică, economică şi socială. O înţelegere detaliată a mecanismelor proceselor de coroziune şi protecţiilor anticorozive va ajuta atât studenţii, doctoranzii cât si specialiştii din diferite domenii de a rezolva problemele de coroziune existente şi a le preveni eficient pe cele viitoare.
Cartea conţine atât noţiuni fundamentale cât şi aspecte practice, cele mai multe din experienţa de cercetare proprie a autoarei, rezultate obţinute cu grupul de lucru şi colaboratorii externi.
Prezentarea noţiunilor de bază conferă mai multă consistenţă cărţii şi susţine interpretarea bogatului material experimental, rezultate proprii, din partea finală a fiecărui capitol. Lucrarea are un înalt grad de noutate în literatura ştiinţifică de specialitate, prin multitudinea exemplelor de aplicaţii practice care ajută la înţelegerea noţiunilor teoretice.
Lidia.Benea@ugal.ro



Autor: Lidia Benea.
Metode Avansate de Investigare a Materialelor
ISBN: 978-606-606-003-5
Nr. de pagini: 350
Anul apariţiei: 2017 - 2018
Editura: Academica.

Monografia ştiinţifică ***METODE AVANSATE DE INVESTIGARE A MATERIALELOR*** elaborată de **prof. univ. dr. Lidia Benea** de la Centrul de Competenţe Interfeţe-Tribocoroziune şi Sisteme Electrochimice, Facultatea de Inginerie a Universităţii Dunărea de Jos din Galaţi reprezintă o acumulare de informaţii ştiinţifice obţinute în decursul multor ani de activitate didactică şi de cercetare în domeniul procesării, investigării şi caracterizării materialelor, cunoştinţe acumulate din proiectele de cercetare şi din activitatea de profesor şi cercetător invitat la instituţii de învăţământ superior de prestigiu din Europa, cum sunt: Laboratoire Génie des Procédés et Matériaux din l'École Centrale Paris, Department of Materials Engineering din Katholieke Universiteit Leuven, sau Department of Materials Engineering din Trento University.
Cartea descrie principalele aspecte fundamentale şi practice aplicative pentru metodele avansate de investigare şi caracterizare a materialelor. Investigarea materialelor este un proces fundamental în domeniul ingineriei în general şi al ştiinţei şi ingineriei materialelor în special, fără de care nu ar putea fi stabilită nici o corelare sau înţelegere ştiinţifică a materialelor. Cartea este destinată în primul rând doctoranzilor, acoperind necesităţile cursului de la disciplinele specifice, respectiv cursul: Metode avansate de investigare a materialelor.
In acelaşi timp, cartea se adresează şi este utilă şi unei mase largi de potenţiali cititori de la studenţii în inginerie la nivele de licenţă, masterat sau doctorat, până la ingineri, cercetători şi specialişti implicaţi în activităţi industriale, de cercetare, economice sau comerciale conectate la procesele de investigare a materialelor, în condiţiile în care o dezvoltare durabilă presupune în primul rând cunoaşterea proprietăţilor materialelor pentru utilizarea lor eficientă.
O înţelegere detaliată a proprietăţilor materialelor, prin metodele avansate de caracterizare a lor va ajuta atât studenţii, doctoranzii cât si specialiştii din diferite domenii să rezolve problemele existente de utilizare a materialelor eficiente şi de a le preveni şi aborda eficient pe cele viitoare.
Scopul cărţii este să prezinte cititorului, de la simplu la complex, conceptele şi aplicaţiile în domeniul investigării materialelor, dar şi o trecere în revistă a progreselor recente în înţelegerea mecanismelor proceselor de investigare a materialelor avansate de la straturi hibride şi nanocompozite la modificări funcţionale a suprafeţelor biomaterialelor.
Cartea conţine atât noţiuni fundamentale cât şi aspecte practice, cele mai multe din experienţa de cercetare proprie a autoarei, rezultate obţinute cu grupul de lucru şi colaboratorii externi.
Din punct de vedere al conţinutului, monografia este bine structurată şi echilibrată, evidenţiind progresele recente înregistrate în domeniul investigării materialeor şi biomaterialelor. Prezentarea noţiunilor de bază conferă mai multă consistenţă cărţii şi susţine interpretarea bogatului material experimental, rezultate proprii, din partea finală. De fapt, lucrarea are un înalt grad de noutate în literatura ştiinţifică de specialitate, prin multitudinea exemplelor de aplicaţii practice care ajută la înţelegerea noţiunilor teoretice ale metodelor de investigare abordate.
Textul este scris clar, îngrijit, accesibil, menţinând în acelaşi timp rigoarea şi acurateţea ştiinţifică. Interpretările şi concluziile sunt corecte, pertinente şi edificatoare, iar bibliografia include monografii şi articole de referinţă şi de noutate publicate în domeniu.
Cercetarea ştiinţifică şi metodele de investigare a materialelor sunt modalităţi în care oamenii de ştiinţă şi cercetătorii folosesc o abordare sistematică pentru a răspunde la întrebări despre lumea din jurul nostru. Investigarea ştiinţifică este o încercare de a găsi răspunsul la o întrebare

	utilizând metoda ştiinţifică. La rândul său, metoda ştiinţifică este un proces sistematic care implică utilizarea unor observaţii măsurabile, rezultate din metode şi tehnici de investigare, pentru a formula, testa sau modifica o ipoteză. În cele din urmă, o ipoteză este o explicaţie propusă pentru unele fenomene observate, bazate pe experienţă sau cercetare. Investigarea ştiinţifică este ceea ce oamenii ca tine (cititorule) şi ca mine (autorea cărţii) folosim pentru a dezvolta modele şi explicaţii mai bune pentru lumea din jurul nostru. Lidia.Benea@ugal.ro

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Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

B. Capacitatea de a atrage fonduri de cercetare

(se vor lua in considerare doar sumele care au revenit unitatii de cercetare sau facultăţii în care aceasta funcţionează)/ **(30%)**

TOTAL B = B1 + B2 + B4
TOTAL: B = 500 + 750 + 225 = 1475 p

B.1. Granturi câştigate /derulate de membrii unităţii de cercetare finanţate din fonduri internaţionale

B.1.1. eDrone Project1 – Erasmus+ Capacity building in higher education Call 2016 EAC/A04/2015, Grant Agreement 574090-EPP-1-2016-1-IT-EPPKA2-CBHE-JP (2016-2528)
500 p

B.2. Granturi câştigate /derulate de membrii unităţii de cercetare finanţate din fonduri naţionale

B.2.1. MEN-UMPFE ROSE 9/SGU/PV cu titlul Galati Summer University, 2017-2020
250 p

B.2.2 CNFIS-FDI-2017-0077, cu titlul Creşterea gradului de încadrare pe piaţa muncii a absolvenţilor de studii universitare prin adaptarea programelor de studii şi înfiinţarea unora noi.
250 p

B.2.3 CNFIS-FDI-2017-0074, cu titlul Consiliere şi orientare profesională – determinant al orientării academic şi factor de reducere a abandonnului şcolar
250 p

B.4. Propuneri de proiecte elaborate de membrii UC în cadrul competitiilor naţionale/internaţionale.

225 p

B4.1. 2017: 7 Conf. Stefan Balta
MEN-UMPFE ROSE 9/SGU/PV cu titlul Galati Summer University, 2017-2020
75 p

B.4.2. 2017: Conf. Stefan Balta
CNFIS-FDI-2017-0077, cu titlul Creşterea gradului de încadrare pe piaţa muncii a absolvenţilor de studii universitare prin adaptarea programelor de studii şi înfiinţarea unora noi.
75 p

B4.3. 2017: Conf. Stefan Balta
CNFIS-FDI-2017-0074, cu titlul Consiliere și orientare profesională – determinant al orientării academic și factor de reducere a abandonnului școlar
75 p

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Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

Cap. C. Capacitatea de a dezvolta servicii, tehnologii, produse,

C2. Cereri de brevet înregistrate la nivel național de către membrii UC 20 p

(19) OFICIUL DE STAT PENTRU INVENȚII ȘI MĂRCI
București

ROMÂNIA

(11) RO 131793 A0
(51) Int.Cl.
C25D 3/54 (2006.01);
A61L 27/42 (2006.01)

(12) **CERERE DE BREVET DE INVENȚIE**

(21) Nr. cerere: **a 2016 00501**
(22) Data de depozit: **13/07/2016**

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(71) Solicitant:
• UNIVERSITATEA "DUNĂREA DE JOS" DIN GALAȚI, STR. DOMNEASCĂ NR. 47, GALAȚI, GL, RO

(72) Inventatori:
• BENEA LIDIA, STR. ENERGIEI NR. 7, BL. C, AP. 19, GALAȚI, GL, RO;
• ȘORCARU FLORENTINA SIMONA, STR. [illegible], GL, RO

(54) **SUPRAFEȚE FUNCȚIONALE Co/nano-ZrO_2, OBȚINUTE PRIN ELECTRODEPUNERE**

(57) Rezumat:

Invenția se referă la un procedeu de obținere a unor suprafețe funcționale Co/nano-ZrO_2, utilizate în medicină pentru fabricarea de implanturi sau proteze. Procedeul conform invenției constă în electro-codepunerea oxidului de zirconiu în matrice metalică de cobalt la temperatura de 23...27°C și densitatea de curent cuprinsă între 23 și 46 mA/cm², din care rezultă straturi nanocompozite, cu conținut de fază dispersă nano-ZrO_2 cuprins între 10 și 30 g/l.

Revendicări: 7
Figuri: 10

RO 131793 A0

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Prof. Dr. Ph.D. Lidia BENEA
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Faculty of Engineering
"Dunarea de Jos" University of Galati
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Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

Cap. D. Capacitatea de a pregăti superior tineri cercetători

D1. Conducători de doctorat: Prof. univ dr. Lidia BENEA

D.2. Doctoranzi care își desfășoară activitatea în unitatea de cecetrae.

Proiecte Cercetare doctorală – TEZE DOCTORAT şi DOCTORANZI derulate şi în derulare în cadrul centrului de cercetare CC-ITES

1) **2007-2008; 20011-2013**: Titlu: **POLIETILENA DE MASĂ MOLECULARĂ RIDICATĂ (UHMWPE) ŞI STRATURI COMPOZITE CU UTILIZARE ÎN IMPLANTURILE UMANE.**
Doctorand: Ing. Marilena MARDARE (PRALEA).
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
Finalizată.

2) **2008-2011**: Titlu: **MATERIALE NANOSTRUCTURATE CU APLICAŢII ÎN OBŢINEREA MEMBRANELOR PENTRU PURIFICAREA APELOR.**
Doctorand: Ing. Ştefan BALTĂ.
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
Finalizată.

3) **2008-2012**: Titlu: **SUPRAFEŢE FUNCŢIONALE Co/nano-ZrO_2 OBŢINUTE PRIN ELECTRODEPUNERE PENTRU UTILIZAREA ÎN INDUSTRIE ŞI BIOMEDICINĂ.**
Doctorand: Ing. Florentina Simona ŞORCARU.
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
Finalizată.

4) **2008-2012**: Titlu: **MODIFICAREA SUPRAFEŢELOR ALIAJELOR DE TITAN (TI-6AL-4V) PENTRU A ÎMBUNĂTĂŢI PROPRIETĂŢILE DE COROZIUNE ŞI TRIBOCOROZIUNE ÎN MEDII SPECIFICE.**
Doctorand: Ing. Eliza MARDARE (DĂNĂILĂ).
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
Finalizată.

5) **2009-2012**: Titlu: **INFLUENŢA TRATAMENTELOR ELECTROCHIMICE A SUPRAFEŢELOR (STRATURI NANOCOMPOZITE ÎN MATRICE DE NICHEL) ASUPRA REZISTENŢEI LA COROZIUNE ŞI UZURĂ.**

Doctorand: Ing. Adina Ionica PAVLOV.
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
Finalizată.

6) 2011-2014: Titlu: **OBŢINEREA ŞI CARACTERIZAREA SUPRAFEŢELOR FUNCŢIONALE PRIN METODE ELECTROCHIMICE PENTRU APLICAŢII BIOMEDICALE.**
Doctorand: Farm. Iulian BOUNEGRU.
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
Finalizată.

7) 2013-2016: Titlu: **FENOMENE DE DEGRADARE A MATERIALELOR ÎN MEDII SPECIFICE SALINE, LA DIFERITE TEMPERATURI ŞI METODE PENTRU PREVENIREA LOR**
Doctorand: Laurenţiu MARDARE.
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În derulare.

8) 2013-2016 : Titlu: **PROCESE DE DEGRADARE A MATERIALELOR ÎN SISTEMELE DE COLECTARE, TRANSPORT ŞI TRATARE A APELOR ŞI DEŞEURILOR ŞI METODE DE PROTECŢIE**
Doctorand: Ing. Doiniţa PÎRVU
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În derulare.

9) 2013-2016 : Titlu: **PROCESAREA ELECTROCHIMICĂ ŞI PROPRIETĂŢILE STRATURILOR FUNCŢIONALE (HIBRIDE) NANOCOMPOZITE**
Doctorand: Ing. Doru MATEI
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În derulare.

10) 2014-2017: Titlu: **SUPRAFEŢE FUNCŢIONALE OBŢINUTE PRIN METODE ELECTROCHIMICE PE ALIAJE DE ALUMINIU ŞI CARACTERIZAREA LOR**
Doctorand: Ing. Valentin Marian DUMITRAŞCU
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În derulare.

11) 2016-2019: Titlu: **COROZIUNEA BIOMATERIALELOR ÎN FLUIDELE FIZIOLOGICE SPECIFICE (ŞI METODE DE TRATARE A LOR PENTRU CREŞTEREA DURATEI DE VIAŢĂ).**
Doctorand: Ing. Nicoleta Lucica SIMIONESCU
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În derulare.

12) 2016-2019: Titlu: **POLIMERI NATURALI ŞI NANOPARTICULE CU APLICAŢII**

BIOMEDICALE ŞI TRANSPORT DE MEDICAMENTE.
Doctorand: Farm. Anca RĂVOIU
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În derulare.

13) **2017-2019**: Titlu: **Degradarea biomaterialelor de implant în fluidele biologice şi metode de îmbunătăţire a proprietăţilor funcţionale.**
Doctorand: Ing. Mihaela GOROVEI
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În derulare.

13) **2017-2020**: Titlu: **STUDII ASUPRA COROZIUNII ŞI UZURII ÎN SISTEMELE DE TRATARE ŞI TRANSPORT A APELOR.**
Doctorand: Ing.
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În perspectivă.

14) **2017-2020:** Titlu: **FUNCTIONALIZARI HIBRIDE (ANORGANIC – ORGANIC) A SUPRAFETELOR BIOMATERIALELOR CU MOLECULE BIOACTIVE PRIN TEHNICI ELECTROCHIMICE.**
Doctorand: Ing.
Domeniu: Ingineria materialelor.
Conducător doctorat: Prof univ. dr. Lidia BENEA
În perspectivă

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Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

Cap. D. Capacitatea de a pregăti superior tineri cercetători

D4. Acorduri de colaborare internaţionale încheiate cu CC-ITES.

Pentru perioada 2017-2019 sunt încheiate două acorduri internaţionale pentru derularea a două teze de doctorat în cotutelă.
1) Pentru doctorand SIMIONESCU Nicoleta

KU LEUVEN

FACULTY OF ENGINEERING
METALLURGY AND MATERIALS ENGINEERING
KASTEELPARK ARENBERG 44 BUS 2450
B-3001 LEUVEN BELGIUM

Prof. Dr. (Ph.D.) Lidia BENEA
Dunarea de Jos University of GALATI
Competences Center: Interfaces-Tribocorrosion-Electrochemical Systems (CC-ITES)
Faculty of Engineering
47 Domneasca Street
RO-800008 GALATI
ROMANIA

OUR REFERENCE 2016/154/JPC/ka
YOUR REFERENCE
LEUVEN 2016-10-28

Co-promotor acceptance certificate Nicoleta SIMIONESCU

To whom it may concern

The undersigned, Jean-Pierre CELIS, Emeritus Prof. Dr. ir. at the Katholieke Universiteit Leuven (Belgium), and expert on Surface and Interface Engineered Materials, Tribology and Tribocorrosion, confirms herewith that he is willing to act as co-promotor (co-supervisor) of the PhD research in progress by SIMIONESCU Nicoleta. The research is dealing with the degradation of biomaterials by corrosion and tribocorrosion in specific fluids (Degradarea biomaterialelor prin coroziune si tribocoroziune in fluidele specifice)

This agreement does not give a bi-diploma to the candidate since such an agreement has not yet been undersigned between KULeuven and UDJG.

Done at Leuven on November 3 2017

Emeritus Prof. Dr. ir. Jean-Pierre Celis

PROF. DR. IR. JEAN-PIERRE CELIS, EMERITUS
TEL. + 32 16 32 12 04 FAX + 32 16 32 19 99
jeanpierre.celis@kuleuven.be
www.mtm.kuleuven.be

2) Pentru doctorand RAVOIU Anca

KATHOLIEKE UNIVERSITEIT LEUVEN
DEPARTMENT OF CHEMICAL ENGINEERING

KATHOLIEKE UNIVERSITEIT LEUVEN

Prof. Dr. (Ph.D.) Lidia BENEA
Dunarea de Jos University of GALATI
Competences Center: Interfaces-Tribocorrosion-Electrochemical Systems (CC-ITES)
Faculty of Engineering
47 Domneasca Street
RO-800008 GALATI
ROMANIA

OUR REF:
YOUR REF:
LEUVEN:
01.11.18

To whom it may concern

The undersigned, Bart Van der Bruggen, Prof. Dr. ir. of the Katholieke Universiteit Leuven, department of Chemical Engineering, confirms herewith that he is willing to act as co-promotor (co-supervisor) of the PhD research in progress done by R VOIU Anca. The thesis is dealing with the the natural polymers and nanoparticles in biomedical applications and drugs delivery (Polimari naturali si nanoparticule cu aplicatii biomedicale si transport de medicamente).
This agreement does not give a bi-diploma to the candidate since such an agreement has not yet been undersigned by K.U.Leuven and UDJG

Sincerely,

Bart Van der Bruggen

KU LEUVEN
Departement Chemische Ingenieurstechnieken
3001 Leuven

Prof. dr. ir. BART VAN DER BRUGGEN
TEL. +32 16 32 [illegible] FAX +32 16 32 29 91
E-mail: bart.vanderbruggen@cit.kuleuven.be

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Prof. Dr. Ph.D. Lidia BENEA
Competences Center Interfaces-Tribocorrosion and Electrochemical Systems (CC-ITES)
Faculty of Engineering
"Dunarea de Jos" University of Galati
Fax: + 40 236 461353
Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

Cap. D. Capacitatea de a pregăti superior tineri cercetători

D.6. Studenți/masternazi implicați în programe de licență/masterat care desfășoară activitate de cercetare în UC

MASTER - DISERTAȚII

D.6.1. 2017 Rezistenta la coroziune comparativa a tablelor zincate si pasivate cu crom trivalent si crom hexavalent.
Student: **SOCOLA Marius**
Coordonator Științific: **Prof. univ. dr. chim. Lidia BENEA**

LICENȚĂ

D.6.2. 2016: Materiale avansate şi acoperiri de protecţie pentru mediul coroziv marin: Creşterea rezistenţei la coroziune prin modificarea suprafeţelor.
STUDENT: **TODERAŞCU Georgeta Ramona**
Coordonator Științific: **Prof. univ. dr. chim. Lidia BENEA**

LUCRARI EXPERIMENTALE STUDENTI şi PREZENTATE LA SESIUNI STIINŢIFICE

În perioada **2016 - 2017** au desfăşurat activităţi experimentale pe aparatura din laboratoarele CC-ITES, AN 012 şi AN 004 un număr de **19 studenţi**, care au prezentati rezultatele la sesiuni ştiinţifice.

1) 2016: **Coroziunea aliajelor de aluminiu (Al3003 si Al1050) pentru aplicaţii în industria navala**
Student: **STAICU Camelia**
Coordonator Științific**: Prof. univ. dr. chim. Lidia BENEA**

2) 2016: **Coroziunea aliajelor de aluminiu (Al3003 si Al5754) pentru aplicaţii în industria auto**
Studenţi: **Ionica ANTON & Petruta PRODAN**
Coordonator Științific**: Prof. univ. dr. chim. Lidia BENEA**

3) 2016: **Coroziunea influenţată microbiologic (MIC) – impact asupra mediului şi securităţii muncii**
Studenţi: **TĂNASE Adrian & STOIAN Marius**
Coordonator Științific**: Prof. univ. dr. chim. Lidia BENEA**

4) 2016: **Comportarea la coroziune a aliajelor de cupru în medii specifice construcţiilor navale**
Studenţi: **Marius DIMA & Alin CREŢU**

5) 2016: **Evaluarea comportării la coroziune a cuprului şi aliajelor de cupru (Cu, Alamă) în medii apoase**
Studente: **Andreea MUNTEANU & Sara HONDRILĂ**
Coordonator Ştiinţific: **Prof. univ. dr. chim. Lidia BENEA**

6) 2016: **Inhibitori de coroziune ecologici din extracte vegetale pentru diferite materiale utilizate în medii acide**
Studenţi: **Andreea PANAITE & Antonel URECHE**
Coordonator Ştiinţific: **Prof. univ. dr. chim. Lidia BENEA**

7) 2016: **Evaluarea comportării la coroziune a otelurilor speciale pentru industria de automobile**
Studenţi: **Georgian MANOLE & Alin GOSAV**
Coordonator Ştiinţific: **Prof. univ. dr. chim. Lidia BENEA**

8) 2016: **Recuperarea metalelor grele (zincul) din apele industriale uzate prin electroliză**
Studenţi : **Ionel FROMEA & Florin PRICOPI**

9) 2016: **Coroziunea otelurilor inoxidabile in sucurile comerciale**
Studenţi: **George-Perinel ENEA & Cătălin MATEI**

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Faculty of Engineering
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Phone: +40 744 216277
E-mail: Lidia.Benea@ugal.ro ; lidiabd@yahoo.com

E. Prestigiul ştiinţific (toată perioada de activitate)

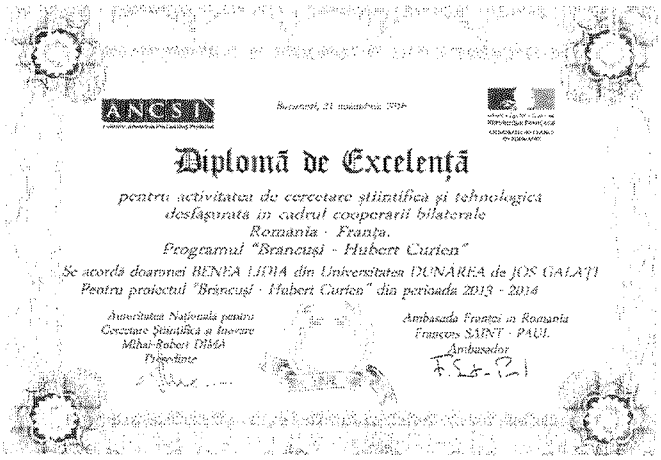
TOTAL E = E2 + E6 + E7 + E8
= 100 + 30 + 390 + 60 = 580 p

E.2	Membri în colectivele editoriale ale unor reviste internaţionale (cotate de Web of Science, Thomson Reuters) sau ale unor edituri internaţionale
	Scientific Editorial Board **Prof. univ. dr. Lidia BENEA**
1	Member of Scientific Editorial Board : *The Annals of "Dunarea de Jos" University of Galati, Fascicle IX.* Metallurgy and Materials Science. ISSN 1453-083X. ANALELE UNIVERSITĂŢII "DUNĂREA DE JOS" DIN GALAŢI. FASCICULA IX. METALLURGIE ŞI ŞTIINŢA MATERIALELOR
2	Member of Scientific Editorial Board ISI Journal: *ISRN Corrosion.* ISSN: 2090-8903 (Online) doi:10.5402/CORROSION.

E.6. Premii ale Academiei Române

Cred ca diploma de excelenţă primită din partea Ambasadei Franţei poate fi asimilată.

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


ANCSI

Diplomă de Excelenţă

pentru activitatea de cercetare ştiinţifică şi tehnologică
desfăşurată în cadrul cooperării bilaterale
România - Franţa,
Programul "Brâncuşi - Hubert Curien"

Se acordă doamnei BENEA LIDIA din Universitatea DUNĂREA de JOS GALAŢI
Pentru proiectul "Brâncuşi - Hubert Curien" din perioada 2013 - 2014

Autoritatea Naţională pentru Cercetare Ştiinţifică şi Inovare
Mihai-Robert DIMA
Preşedinte

Ambasada Franţei în România
Francois SAINT - PAUL
Ambasador

E.7. Referent stiintific al unor reviste cotate ISI sau al unor edituri internaţionale de renume
21 reviste internaţionale ISI: Referent: Lidia BENEA.

Nr crt	Scientific reviewer for ISI International Journals 2002-2017
1	**ACS Nano** IF = 12.881. ID nn-2012-017316 ID nn-2012-03631d ID: nn-2011-03507y
2	**Corrosion Science** IF = 5.154. Ms. Ref. No.: CORSCI-D-16-00508 Ms. Ref. No.: CORSCI-D-15-00135 Ms. Ref. No.: CORSCI-D-15-00279 Ms. Ref. No.: CORSCI-D-15-00099 Ms. Ref. No.: CORSCI-D-13-01364 Ms. Ref. No.: CORSCI-D-14-00937 Ms. Ref. No.: CORSCI-D-14-00375 CORSCI-D-13-00628 CORSCI-D-11-01370
3	**Electrochimica Acta** IF= 4.504 Ms. Ref. No.: NB14-018 Manuscript Number: NB11-083
4	**Journal of Solid State Electrochemistry** IF =2.446. Manuscript reference: JSEL-D-16-00470
5	**Surface and Coatings Technology** IF = 1.998 Ms. Ref. No.: SURFCOAT-D-15-02592 Ms. Ref. No.: SURFCOAT-D-14-01590 Ms. Ref. No.: SURFCOAT-D-14-02655 Ms. Ref. No.: SURFCOAT-D-12-01169 SURFCOAT-D-11-01587
6	**Scripta Materialia** IF = 3.224. SMM-10-1266
7	**Journal of Electroanalytical Chemistry** IF = 2.729. Ms. No.: JELECHEM-D-14-01203 Ms. No.: JELECHEM-D-14-00220 JELECHEM-D-12-00833
8	**Journal of Biomedical Materials Research: Part B – Applied Biomaterials** IF = 2.759. JBMR-B-14-0262 JBMR-B-13-0508

	JBMR-B-11-0528.R1 JBMR-B-11-0528
9	**Wear** IF = 1.862 Reference: IH-9882 Reference: IH-9882
10	**Composites Part B** IF = 2.983 JCOMB-D-11-00344
11	**Tribology International** IF = 1.936 Ms. Ref. No.: TRIBINT-D-16-00639 Ms. Ref. No.: TRIBINT-D-15-01025
12	**Materials and Design** IF = 3.171 Ms. Ref. No.: JMAD-D-16-04121
13	**Applied Surface Science** IF = 2.711 Ref: APSUSC-D-14-04882R1 Ms. Ref. No.: APSUSC-D-14-04882 APSUSC-D-13-02741
14	**Science and Technology of Advanced Materials** IF = 3.513. Ms. Ref. No.: STAM-D-11-00143 Ms. Ref. No.: STAM-D-11-00143
15	**Journal of Materials Science & Technology.** IF = 1.909. Manuscript ID JMST-2015-0959
16	**Materials Chemistry and Physics** IF = 2.259. Ms. Ref. No.: MATCHEMPHYS-D-15-02502 Ms. Ref. No.: MATCHEMPHYS-D-15-02502 Ms. Ref. No.: MATCHEMPHYS-D-14-00812 MATCHEMPHYS-D-12-02401
17	**Journal: ACS Applied Materials & Interfaces.** I.F. = Manuscript ID : am-2016-018762.
18	**Journal of The Electrochemical Society** I.F. = 3.266 ECS Journals: MS #JESP-16-3945
19	**Chemical Engineering Journal** I.F. =

	Ms. Ref. No.: CEJ-D-15-00640
20	**RSC Advances** I.F. = 3.84 Manuscript ID RA-ART-07-2013-043763.
21	**International Journal of Materials Research** **I.F. = 0.819** Ms. No. MR3323 Manuscript number: MR3285 Manuscript_MR2917
22	Jurnal : **Green Chemistry Letters and Reviews** **IF= 1.729** Manuscript ID TGCL-2011-0175
23	Jurnal: **Analyst.** IF = 3.885 Manuscript ID AN-COM-10-2011-016023
24	Jurnal: **Journal of Electrochemical Science and Engineering –jESE** *J. Elchem. Sci. Eng.* ISSN 1847-9286 Manuscript Ref. No.: 6045043
25	Jurnal: **European Physical Journal - Applied Physics (EPJAP)** Review for the European Physical Journal - Applied Physics (EPJAP) ISSN: 1286-0042 - Our Ref.: ap110350.
26	**Scripta Materialia** **IF = 3.747** Manuscript SMM-10-1266
	TOTAL E.7. = 26 * 15 = 390

E.8. Referent ştiintific al unor reviste indexate în baze de date internaţionale sau al unor edituri recunoscute la nivel naţional

1) 2014: . Review la: The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science.
Title: Silica thin films obtaining by sol-gel dip coating with controled optical properties.
Authors: C Mihoreanu, A. Eneşca, A. Duţă.

2) 2014: . Review la: The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science.
Title: Effect of ZnO nanoparticles on the anticorrosion properties of epoxy coating
Authors: Viorel Panaite, Viorica Muşat.

3) 2014: Review la: The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science.

Title: Corrosion analysis of commercial ships – a review.
Authors: Mihaela Costache, Costel Iulian Mocanu

4) 2014: Review la: The Annals of "Dunarea de Jos" University of Galati, Fascicle IX, Metallurgy and Materials Science.
Title: Numerical analysis of corrosion influence on ship strength.
Authors: Mihaela C|ostache, George Jagite, Costel Iulian Mocanu.

5) 2010: Referent B+ (BDI): ANALELE UNIVERSITĂŢII "DUNĂREA DE JOS" DIN GALAŢI. FASCICULA IX. METALLURGIE ŞI ŞTIINŢA MATERIALELOR. nr.1.-2010: Violeta Vasilache, Sonia Gutt, Ion Sandu, Gheorghe Gutt, Traian Vasilache - Electrodeposition and Characterization of Zinc-Cobalt Alloy Coatings.

6) 2010: ANALELE UNIVERSITĂŢII "DUNĂREA DE JOS" DIN GALAŢI. FASCICULA IX. METALLURGIE ŞI ŞTIINŢA MATERIALELOR nr.2.-2010: Roxana Ştefănică, Carmen Nejneru, Vasile Manole, Ramona Cimpoeşu Hanu -Electrochemical Corrosion Behavior of 7075 Aluminum Alloy after Ageing Treatment

TOTAL E.8. = 6 * 10 = 60 p

Nu sunt considerate la punctaj.

List of peer-review activity and evaluation

2013-2016: Vice - President of Board of Appeals - Materials Science and Engineering Commission from National Council for Attesting Titles, Diplomas and Certificates (**CNATDCU**).

2007-2015: CNCSIS - UEFISCDI - ANCS: Assesor Expert for Research Programmes: IDEI, CEEX, Partenership, TE, PNCDI, PCCA and Bilateral Internationnal Cooperation.

2015: Assessor Expert evaluator and rapporteur: H2020-MSCA-ITN-2015 – 'Innovative Training Networks EU remote evaluation, Februarie 2015. **European Commission,** Research Executive Agency, Unit REA-A1, Marie Skłodowska -Curie Innovative Training Networks. FP7: Horizon 2020: ID: EX2002B002205

2016-2017: **Assessor Expert evaluator and rapporteur: H-2020:** SPIRE- 10 – 2017 "New electrochemical solutions for industrial processing, which contribute to a reduction of carbon dioxide emissions"

2016-2017: **Assessor Expert evaluator and rapporteur ESF-COST Actions:** Open Call OC-2016-2 submitted by 2016-12-07 12:00:00.

2016: Assessor Expert evaluator and rapporteur: Eureka 2016 - Sesiunea II.
Planului National III – Cooperare europeana si internationala – 3.5 Alte initiative si programe europene si internationale.

2016: Assessor Expert evaluator and rapporteur UEFISCDI-PN III-Transfer la operatorul economic. Domeniului 4. Eco-nano-tehnologii si materiale avansate. Planului National III - Competitia Bridge Grant.

2016: Assessor Expert evaluator and rapporteur PN III , Cooperare internaţională. Bilaterale Romania Moldova.

2016: Assessor Expert evaluator and rapporteur: PN III. Programe NUCLEU 2016

2015: Assessor Expert evaluator and rapporteur: H2020 **NMP-19-2015: Materials for severe operating conditions, including added-value functionalities.**
Horizon 2020 Evaluators for NMP-19-2015 : Materials for severe operating conditions, including added-value functionalities. Research & Innovation Actions.

2015: Assessor Expert evaluator and rapporteur: FP7 Mid term review meeting **FP7-PEOPLE-2013-ITN (EID) - SUSCOAT** - 607882.
Mid term review meeting FP7-PEOPLE-2013-ITN (EID) - SUSCOAT - 607882- 1 Oct 2015 - Ghent (Belgium).

2015: Assessor Expert evaluator and rapporteur: German-Egyptian Research Proprosals related to application-oriented research in frame of the German-Egyptian Research Fund GERF.

2015: Assessor Expert evaluator and rapporteur: H2020-MSCA-IF-2015- CHE. EUROPEAN COMMISSION. Research Executive Agency, MSC Individual Fellowships, Chemistry Panel. Types of Action" (MSCA-IF-2015-EF-ST, MSCA-IF-2015-EF-RI, MSCA-IF-2015-EF-CAR & MSCA-IF-2015-GF).

2013: Assessor Expert and Technical Reviewer for the Research Project with Protocol No. EUREKA/EUYΦI/0609/01. **DESMI 2009-2010 IS "EUREKA** - Ongoing Projects. **CO-FUNDED BY THE REPUBLIC OF CYPRUS AND THE EUROPEAN REGIONAL DEVELOPMENT FUND.**

2012: Assessor Expert evaluator EVALUARE INOVARE MODULUL 5 UEFISCDI. European Cooperation (Cooperare Europeana) EUREKA-EUROSTARS. **Modul 5 EUREKA.**

2012: Assessor Expert evaluator and rapporteur Chemistry panel People Individual Marie Curie Actions (FP7-PEOPLE-2012-IEF-IIF-IOF). Chemistry panel – People. Individual Marie Curie Actions (FP7-PEOPLE-2012-IEF/ FP7-PEOPLE-2012-IIF/FP7-PEOPLE-2012-IOF. European Commission, Research Executive Agency.

2011: Assessor Expert evaluator and rapporteur. FP7-PEOPLE-2011-IEF, IIF & IOF, under the call FP7-PEOPLE-2011-IXF – CHE panel.

2011: Assessor Expert evaluator: Agence universitaire de la Francophonie. Bureau Europe centrale et orientale. Programme "Eugen Ionescu".

2010-2011: Long term expert: PhD Expert, POSDRU Project: Improve the quality of training of researchers based doctoral programs enhanced by partnership.
Contract no POSDRU/21/1.5/G/19524

2010: Assessor Expert evaluator and rapporteur: EXPERT 2010 (UE): Blanc / Blue-Sky, de l'ANR (ANR EU).

2010: Assessor Expert evaluator and rapporteur: EXPERT 2010 (UE): Research Promotion Foundation (RPF) of Cyprus.

2006-2009: Scientific Expert - Vice Chairman: ESF-COST Programme: Nanoscale

Electrochemical and Bio-Processes at Solid-Aqueous Interfaces of Industrial Materials.
http://w3.cost.eu/index.php?id=188&action_number=D33
http://www.cost.esf.org/library/publications/(pbno)/8

Nu sunt considerate la punctaj.

	Scientific Reviewer for International Ph.D. Thesis
1.	**Dicarboxilic acids as corrosion inhibitors for carbon steel in ground water.** Autor Felicia Rajammal Selvarani, Supervisor: S. Rajendran. Universitatea Madurai Kamaraj University – India.
2.	**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.
3.	**Inhibition of corrosion of mild steel in well water by phenolic compounds**. authored by: Mrs. H BENITA SHERINE. Bharathidasan University, Thiruchirappalli - 620 024 – India.