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SCIENTIFIC PAPERS PRESENTED AT INTERNATIONAL AND NATIONAL CONFERENCES
CONFERINŢE SI LUCRĂRI ŞTIINŢIFICE PREZENTATE CONGRESE INTERNATIONALE SI NAŢIONALE

- 2015: : Eliza DĂNĂILĂ, Lidia BENEĂ.
The Effect of Surface Roughness on Corrosion Behavior of Ti-6Al-4V Alloy in Saliva Solution.
<http://www.ehbconference.ro/Program.aspx>
258 Oral presentation at The **5th IEEE International Conference on E-Health and Bioengineering - EHB 2015**,
Universitatea de Medicină și Farmacie Grigore T. Popa, Iași, 19 – 21 Noiembrie 2015, Iași, Romania.
<http://www.ehbconference.ro/>
- 2015: Lidia BENEĂ, Eliza DĂNĂILĂ, Valentin Marian DUMITRAȘCU, Pierre PONTCHIAUX.
The effect of anodic oxidation treatment of Ti-10Zr alloy on tribocorrosion behavior in a simulated physiological solution.
<http://www.ehbconference.ro/Program.aspx>
257 Oral presentation at The **5th IEEE International Conference on E-Health and Bioengineering - EHB 2015**,
Universitatea de Medicină și Farmacie Grigore T. Popa, Iași, 19 – 21 Noiembrie 2015, Iași, Romania.
<http://www.ehbconference.ro/>
- 2015: Eliza DĂNĂILĂ, Lidia BENEĂ, Pierre PONTCHIAUX.
Tribocorrosion performance of Co/UHMWPE composite biocoatings compared to pure Co coatings in a simulated physiological solution.
<http://www.ehbconference.ro/Program.aspx>
256 Oral presentation at The **5th IEEE International Conference on E-Health and Bioengineering - EHB 2015**,
Universitatea de Medicină și Farmacie Grigore T. Popa, Iași, 19 – 21 Noiembrie 2015, Iași, Romania.
<http://www.ehbconference.ro/>
- 2015: Eliza DĂNĂILĂ, Lidia BENEĂ, Jean-Pierre CELIS.
Advanced materials and biomedical applications – improving the corrosion and wear resistance of titanium alloy surfaces by controlled growth of porous oxide film.
<http://www.teme.ugal.ro/Program%20TEME%202015.pdf>
255 Oral presentation at The **3rd International Conference of Young Researchers - New Trends in Environmental and Material Engineering - TEME 2015**, 21 - 23 Octombrie 2015, Universitatea "Dunărea de Jos,, din Galați, România.
<http://www.teme.ugal.ro/>
- 2015: Eliza DĂNĂILĂ, Lidia BENEĂ, Nadege CARON, Olivier RAQUET, Pierre PONTCHIAUX.
Advanced materials and energy applications – improving the tribocorrosion behavior of coatings by electro-codeposition of WC nano-dispersed particles with nickel matrix.
<http://www.teme.ugal.ro/Program%20TEME%202015.pdf>
254 Oral presentation at The **3rd International Conference of Young Researchers - New Trends in Environmental and Material Engineering - TEME 2015**, 21 - 23 Octombrie 2015, Universitatea "Dunărea de Jos,, din Galați,

România.

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

2015: Laurențiu MARDARE, Valentin DUMITRAȘCU, Lidia BENEĂ.

Advanced materials and coatings for marine corrosive environment – improving the corrosion resistance of naval steel by polymeric coatings.

253 <http://www.teme.ugal.ro/Program%20TEME%202015.pdf>

Oral presentation at The *3rd International Conference of Young Researchers - New Trends in Environmental and Material Engineering - TEME 2015*, 21 - 23 Octombrie 2015, Universitatea "Dunărea de Jos", din Galați, România.

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

2015: Valentin DUMITRAȘCU, Lidia BENEĂ, Eliza DĂNĂILĂ.

Advanced materials for aerospace applications – influence of anodic oxidation treatment on the corrosion behavior of aluminium and aluminium alloys.

252 <http://www.teme.ugal.ro/Program%20TEME%202015.pdf>

Oral presentation at The *3rd International Conference of Young Researchers - New Trends in Environmental and Material Engineering - TEME 2015*, 21 - 23 Octombrie 2015, Universitatea "Dunărea de Jos", din Galați, România.

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

2015: Georgeta TODERAȘCU, Lidia BENEĂ, Eliza DĂNĂILĂ.

Corrosion behavior and biocompatibility of 316 stainless steel SS as biomaterial in physiological solutions.

251 <http://www.teme.ugal.ro/Program%20TEME%202015.pdf>

Oral presentation at The *3rd International Conference of Young Researchers - New Trends in Environmental and Material Engineering - TEME 2015*, 21 - 23 Octombrie 2015, Universitatea "Dunărea de Jos", din Galați, România.

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

2015 Cătălin SOLOMON, Adrian DIACONU, Lidia BENEĂ, Eliza DĂNĂILĂ.

Corrosion resistance of zinc coated steel in sea water environment.

250 <http://www.teme.ugal.ro/Program%20TEME%202015.pdf>

The *3rd International Conference of Young Researchers - New Trends in Environmental and Material Engineering - TEME 2015*, 21 - 23 Octombrie 2015, Universitatea "Dunărea de Jos", din Galați, România.

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

2015 Alina Crina CIUBOTARIU, Lidia BENEĂ, Wolfgang SAND.

Roughness and topography surfaces of SiC/Ni layers: Influence of current density on electrodeposition process.

249 Poster presentation.

Poster ID-P35.

<http://www.teme.ugal.ro/Program%20TEME%202015.pdf>

The *3rd International Conference of Young Researchers - New Trends in Environmental and Material Engineering - TEME 2015*, 21 - 23 Octombrie 2015, Universitatea "Dunărea de Jos", din Galați, România.

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

2015: Lidia BENEĂ, Eliza DĂNĂILĂ.

248 **Nanoporous TiO₂ thin film formed by electrochemical technique to improve the biocompatibility of titanium alloy in physiological environment.**

Poster presentation.

www.invent.ugal.ro

Această lucrare a primit o mențiune de onoare.

http://www.invent.ugal.ro/docs/listaPremii_EN_20102015.pdf

UGAL INVENT, The first event supporting innovation promoted by "Dunărea de Jos,, University of Galati,
7 - 9 Octombrie 2015, Galati, Romania.

www.invent.ugal.ro

2015: Eliza DĂNĂILĂ, Lidia BENEĂ, Pierre PONTIAUX, Nadège CARON, Olivier RAQUET. Advanced coatings for energy applications – Improving tribocorrosion behaviour by electro-codeposition of TiC nano – dispersed particles with nickel matrix.

Poster presentation.

www.invent.ugal.ro

247 Această lucrare a primit premiul The Best Woman Inventor Award - UGAL INVENT 2015.

http://www.invent.ugal.ro/docs/listaPremii_EN_20102015.pdf

UGAL INVENT, The first event supporting innovation promoted by "Dunărea de Jos,, University of Galati,
7 - 9 Octombrie 2015, Galati, Romania.

www.invent.ugal.ro

2015: Lidia BENEĂ, Eliza DĂNĂILĂ.

Electrochemical codeposition of UHMWPE biopolymer into cobalt matrix for biomedical applications.

Oral presentation at

246 Session 1: Polymers, Functional Surface and Interfaces I, PPE2015-32.

<http://www.if.ugal.ro/PPE2015/Program.htm>

The **3th International Conference on Polyemers Processing in Engineering - PPE 2015**, 24 – 26 Septembrie 2015, Universitatea "Dunărea de Jos,, din Galați, România.

<http://www.if.ugal.ro/PPE2015/>

2015: Laurențiu MARDARE, Lidia BENEĂ, Valentin DUMITRAȘCU, Eliza DĂNĂILĂ.

Polymeric coatings used against marine corrosion of naval steel EN32,

Oral presentation at

245 Symposium 3, Session 2: Polymers, Functional Surface and Interfaces II, PPE2015-35.

<http://www.if.ugal.ro/PPE2015/Program.htm>

The **3th International Conference on Polyemers Processing in Engineering - PPE 2015**, 24 – 26 Septembrie 2015, Universitatea "Dunărea de Jos,, din Galați, România.

<http://www.if.ugal.ro/PPE2015/>

2015: Alina Crina CIUBOTARIU, Lidia BENEĂ, Pierre PONTIAUX.

Phenol-Formaldehyde resin to improve corrosion resistance of zinc layers.

Oral presentation at

244 Symposium 3, Session 2: Polymers, Functional Surface and Interfaces II, PPE2015-34.

<http://www.if.ugal.ro/PPE2015/Program.htm>

The **3th International Conference on Polyemers Processing in Engineering - PPE 2015**, 24 – 26 Septembrie 2015, Universitatea "Dunărea de Jos,, din Galați, România.

<http://www.if.ugal.ro/PPE2015/>

2015: Lidia BENEĂ, Eliza DĂNĂILĂ, Pierre PONTIAUX.

„Tribocorrosion performances of Co/nano-CeO₂ bio-coatings in physiological solutions”

Oral presentation at

243 Session: Tribocorrosion, pg. 35 – Scientific Programme.

http://eurocorr2015.org/downloads/Eurocorr2015_Programme.pdf

European Corrosion Congress **EUROCORR 2015 - Earth, Water, Fire, Air, Corrosion happens everywhere**, Stadthalle Graz, 6 – 10 Septembrie 2015, Graz, Austria.

<http://eurocorr2015.org/>

2015: Lidia BENEĂ, Pierre PONTIAUX, Eliza DĂNĂILĂ, Nadege CARON, Olivier RAQUET.

“Wear-corrosion performance of Ni/WC nano-structured composite coatings obtained by electrochemical deposition”.

Oral presentation at

242 Session: **Nuclear Corrosion**, pg. 49 – Scientific Programme.

http://eurocorr2015.org/downloads/Eurocorr2015_Programme.pdf

European Corrosion Congress **EUROCORR 2015 - Earth, Water, Fire, Air, Corrosion happens everywhere**, Stadthalle Graz, 6 – 10 Septembrie 2015, Graz, Austria.

<http://eurocorr2015.org/>

2015: Lidia BENEĂ, Eliza DĂNĂILĂ, Iulian BOUNEGRU.

“Electrochemical behavior of cobalt–chromium alloy as biomaterial in different pH environments”

Poster presentation at

Session: **Materials in research**, pg. 208 – Book of Abstracts.

241 ISBN: 978-84-944311-0-4.

<http://www.smatscitech.com/index.php/scientific-program>

International Conference on Sustainable Materials Science and Technology - SMST15, Université Paris 8, 15 – 17 Iulie 2015, Paris, Franța.

<http://www.smatscitech.com/>

2015: Valentin Marian DUMITRAȘCU, Lidia BENEĂ, Eliza DĂNĂILĂ.

“Vegetable extracts as inhibitors of carbon steel corrosion in acidic environment”

Poster presentation at

Session: **Materials in research**, pg. 69 – Book of Abstracts.

240 ISBN: 978-84-944311-0-4.

<http://www.smatscitech.com/index.php/scientific-program>

International Conference on Sustainable Materials Science and Technology - SMST15, Université Paris 8, 15 – 17 Iulie 2015, Paris, Franța.

<http://www.smatscitech.com/>

2015: Lidia BENEĂ, Eliza DĂNĂILĂ, Iulian BOUNEGRU.

„Characterization and corrosion-resistance of hybrid Co/UHMWPE composite biocoatings”

Oral presentation at

Session: **Materials in research**, pg. 68 – Book of Abstracts.

239 ISBN: 978-84-944311-0-4.

<http://www.smatscitech.com/index.php/scientific-program>

International Conference on Sustainable Materials Science and Technology - SMST15, Université Paris 8, 15 – 17 Iulie 2015, Paris, Franța.

<http://www.smatscitech.com/>

2015: Eliza DĂNĂILĂ, Lidia BENEĂ.

“Comparative tribocorrosion resistance in physiological solution of untreated and modified Ti-6Al-4V alloy surface by electrodeposition of hydroxyapatite coatings into nanoporous titania layers”

Oral presentation at

Session: **Materials in research**, pg. 70 – Book of Abstracts.

238 ISBN: 978-84-944311-0-4.

<http://www.smatscitech.com/index.php/scientific-program>

International Conference on Sustainable Materials Science and Technology - SMST15, Université Paris 8, 15 – 17 Iulie 2015, Paris, Franța.

<http://www.smatscitech.com/>

237 2015 Lidia BENEĂ, Eliza DĂNĂILĂ, Valentin DUMITRAȘCU.

“Influence of electro-codeposition parameters on TiO_2 nanoparticles inclusion into nickel matrix: structure, morphology and corrosion resistance”.

Oral presentation at

15th International Balkan Workshop on Applied Physics (IBWAP), Constanta, Romania on 2-4, July, 2015.

<http://www.ibwap.ro/2015/>

<http://www.ibwap.ro/2015/articles/program>

2015 Lidia BENEĂ, Eliza DĂNĂILĂ, Nadège CARON, Olivier RAQUET

“Fretting-corrosion behavior of ni/wc hybrid coating system fabricated by electrodeposition”

236 Oral presentation at

15th International Balkan Workshop on Applied Physics (IBWAP), Constanta, Romania on 2-4, July, 2015.

<http://www.ibwap.ro/2015/>

<http://www.ibwap.ro/2015/articles/program>

2015: Lidia BENEĂ, Eliza DĂNĂILĂ, Iulian BOUNEGRU.

„Nanoporous TiO_2 thin layer formed by electrochemical methods on titanium alloy to improve the corrosion resistance of implants in physiological solutions”.

Session: ***Nanotechnologies and health.***

235 Poster ID: 2D-207.

7th EuroNanoForum Conference, 10 – 12 Iunie 2015, Riga, Letonia.

<http://www.euronanoforum2015.eu>

http://euronanoforum2015.eu/wp-content/uploads/2015/03/Abstract_Benea.pdf

<http://euronanoforum2015.eu/poster-sessions/>

2015: Eliza DĂNĂILĂ, Lidia BENEĂ, Valentin DUMITRAȘCU, Pierre PONTIAUX.

“Effects of nano-TiC content on morphology, hardness and tribological properties of Ni/TiC nanocomposite coatings”

Session: ***Modelling and characterisation at nanoscale.***

234 Poster ID: 1B-113

7th EuroNanoForum Conference, 10 – 12 Iunie 2015, Riga, Letonia.

<http://www.euronanoforum2015.eu>

http://euronanoforum2015.eu/wp-content/uploads/2015/03/Abstract_Danaila.pdf

<http://euronanoforum2015.eu/poster-sessions/>

2015: Eliza DĂNĂILĂ, Lidia BENEĂ, Iulian BOUNEGRU, Pierre PONTIAUX, Jean Pierre CELIS.

“Importance of tribocorrosion in biomedical applicatios: Overview and some results.

Oral presentation at Session 3 & UGALnano5: Functional Materials & Nanotechnologies”

233 Scientific Conference organized by the Doctoral Schools of “Dunărea de Jos” University of Galați (CSSD-UDJG 2015), Third Edition of Scientific Conference of Doctoral Schools from UDJ Galați, 4 - 5 Iunie 2015, Galați, România.

O.P. 3.3, pg. 76 – Book of Abstract.

<http://www.cssd-udjg.ugal.ro/index.php/abstracts>

2015: Iulian BOUNEGRU, Lidia BENEĂ, Eliza DĂNĂILĂ, Alexandru CHIRIAC.

“Electrodeposition of chitosan thin films on nanoporous titanium surface for biomedical applications”.

Oral presentation at Session 3 & UGALnano5: Functional Materials & Nanotechnologies

Această lucrare a primit premiul II la Secțiunea 3 – Materiale Funcționale și Nanotehnologii.

232 Scientific Conference organized by the Doctoral Schools of “Dunărea de Jos” University of Galați (CSSD-UDJG 2015), Third Edition of Scientific Conference of Doctoral Schools from UDJ Galați, 4 - 5 Iunie 2015, Galați, România.

O.P. 3.3, pg. 77 – Book of Abstract.

<http://www.cssd-udjg.ugal.ro/index.php/abstracts>

Această lucrare a primit premiul II la Secțiunea 3 – Materiale Funcționale și Nanotehnologii.

Scientific Conference organized by the Doctoral Schools of “Dunărea de Jos” University of Galați (CSSD-

UDJG 2015), Third Edition of Scientific Conference of Doctoral Schools from UDJ Galați, 4 - 5 Iunie 2015, Galați, România.

<http://www.cssd-udjg.ugal.ro/>

2015 Valentin Marian DUMITRAȘCU, Lidia BENEĂ, Eliza DĂNĂILĂ.

“Electrodeposition of nanocomposite coatings – advantages and challenges”.

Session 3 & UGALnano5: Functional Materials & Nanotechnologies”

Această lucrare a primit premiul III la Secțiunea 3 – Materiale Funcționale și Nanotehnologii.

Scientific Conference organized by the Doctoral Schools of “Dunărea de Jos” University of Galați (CSSD-UDJG 2015), Third Edition of Scientific Conference of Doctoral Schools from UDJ Galați, 4 - 5 Iunie 2015, Galați, România.

231

O.P. 3.3, pg. 81 – Book of Abstract , 4 - 5 Iunie 2015, Galați, România.

<http://www.cssd-udjg.ugal.ro/index.php/abstracts>

Această lucrare a primit premiul III la Secțiunea 3 – Materiale Funcționale și Nanotehnologii.

Scientific Conference organized by the Doctoral Schools of “Dunărea de Jos” University of Galați (CSSD-UDJG 2015), Third Edition of Scientific Conference of Doctoral Schools from UDJ Galați, 4 - 5 Iunie 2015, Galați, România.

<http://www.cssd-udjg.ugal.ro/>

2015: Lidia BENEĂ, Eliza DANAILA, Iulian BOUNEGRU.

“Nanoporous TiO₂ thin layer formed by electrochemical methods to improve the surface properties of titanium alloy in bio-simulated solutions”

230

Poster presented at 5th Virtual Nanotechnology Poster Conference, Budapest, Hungary, 13 – 19 Aprilie 2015, P15-30.

<http://www.nanopaprika.eu/group/nanoposter/page/p15-30>

2014: Lidia BENEĂ,

Nanocomposite layers obtained by electro-co-deposition: Corrosion and tribocorrosion properties,

229

Keynote lecture at International Scientific Conference CORROSION 2014, Session 1, 18 – 21 November 2014, Gliwice, Poland.

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

2014: Lidia Benea, Sorin-Bogdan BAȘA, Nadège CARON, Pierre PONTTHIAUX, Jean Pierre CELIS,

“Fretting – corrosion behavior of Ni/WC nanocomposite coatings in boric acid and lithium hydroxide solution.

228

Oral presentation at **International Scientific Conference CORROSION 2014, Session 1**, 18 – 21 November 2014, Gliwice, Poland.

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

2014: Eliza DĂNĂILĂ, Lidia BENEĂ, Jean Pierre CELIS.

“Corrosion-wear behavior of nanoporous oxide film formed on Ti-6Al-4V alloy in physiological solution ”,

227

Oral presentation at International Scientific Conference CORROSION 2014, Session 1, 18 – 21 November 2014, Gliwice, Poland.

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

2014: Bogdan-Sorin BAȘA, Lidia BENEĂ, Eliza DĂNĂILĂ.

“Corrosion behavior of novel hybrid Co/UHMWPE composite biocoating with applications as biomaterials,

226

Poster presentation at International Scientific Conference CORROSION 2014, Session 2, 18 – 21 November 2014, Gliwice, Poland. Poster ID: TH-47.

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

- 2014: Lidia Benea:
“Studying tribocorrosion processes in biomedical and industrial applications.
225 Oral presentation at 8th International Conference on Tribology *Balkantrib`14*, Session: *Tribochemistry* (Tchem), 30 October – 1 November 2014, Sinaia, Romănia, pg. 91, Book of Abstracts. ISBN: 978–973–719–571–5.
<http://balkantrib.upg-ploiesti.ro/>
- 2014: Bogdan–Sorin BAȘA, Lidia BENEĂ, Nadège CARON, Olivier RAQUET, Pierre PONTTHIAUX, Jean Pierre CELIS.
224 Tribocorrosion behavior of Ni/TiC nanocomposite coatings in solution simulating the corrosion environment for nuclear primary cooling systems.
Oral presentation at 8th International Conference on Tribology – *Balkantrib`14*, Session: *Surface Engineering (SE)*, 30 October – 1 November 2014, Sinaia, Romănia, pg. 149, Book of Abstracts. ISBN: 978–973–719–571–5.
<http://balkantrib.upg-ploiesti.ro/>
- 2014: : Eliza DĂNĂILĂ, Lidia BENEĂ.
223 “Tribo– electrochemical characterization of Ti–6Al–4V alloy and nanoporous TiO₂ layer in simulated body fluid solution”,
Oral presentation at 8th International Conference on Tribology *Balkantrib`14*, Session: *Tribochemistry* (Tchem), 30 October – 1 November 2014, Sinaia, Romănia, pg. 96, Book of Abstracts, ISBN: 978–973–719–571–5.
<http://balkantrib.upg-ploiesti.ro/>
- 2014: Lidia BENEĂ, Eliza DĂNĂILĂ, Nadège CARON, Olivier RAQUET.
222 ” Electrochemical synthesis of Ni/nano TiO₂ layers and properties investigations,
Oral presentation at 30th European Conference on Surface Science *ECOSS 30*, Session: Bio–Surfaces + Self–Assembled Monolayers (BIO+SAM), Title index: BIO + SAM O – 44 Th – E15 – 679, pg 458 – Book of Abstracts, 31 August–05 September 2014, Antalya, Turkey.
<http://ecoss2014.org/>
- 2014: Lidia BENEĂ, Pierre PONTTHIAUX.
221 “Nanocomposite coatings to improve corrosion and wear resistance of surfaces,
Oral presentation at 30th European Conference on Surface Science *ECOSS 30*, Session: Materials + Surface–Engineering (MAT+ENG), Title index: MAT + ENG O–28 Tu– F14–666, pg 546 – Book of Abstracts, 31 August – 05 September 2014, Antalya, Turkey.
<http://ecoss2014.org/>.
- 2014: Eliza DĂNĂILĂ, Lidia BENEĂ, Iulian BOUNEGRU.
220 “Influence of the anodic nanoporous oxide film on the corrosion resistance of Ti – 6Al – 4V alloy in physiological solution,
30th European Conference on Surface Science *ECOSS 30*, Session: Bio–Surfaces + Self–Assembled Monolayers (BIO+SAM), Poster ID: BIO + SAM P-277 Tu–659, pg 495 – Book of Abstracts, 31 August–05 September 2014, Antalya, Turkey.
<http://ecoss2014.org/>.
- 2014: Alina CIUBOTARIU, Lidia BENEĂ.
219 “Challenges and achievements in new composite coatings materials obtained by electro – codeposition – from micro to nano particles reinforcements”,
Oral presentation at 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, Galați, Romănia.
http://www.cc-ites.ugal.ro/Invitation_Workshop_NanoSurf_03_-2014_&_PERFORM_2014.pdf

- 218 2014: Eliza DĂNĂILĂ, Lidia BENEĂ.
“Titanium alloy – Electrochemical methods to improve surface properties for biomedical applications”,
Oral presentation at 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, Galați, România.
http://www.cc-ites.ugal.ro/Invitation_Workshop_NanoSurf_03_-2014_&_PERFORM_2014.pdf
- 217 2014: Iulian BOUNEGRU, Eliza DĂNĂILĂ, Lidia BENEĂ.
“Hybrid coatings – news from chitosan electrodeposition,
Oral presentation at 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, Galați, România.
http://www.cc-ites.ugal.ro/Invitation_Workshop_NanoSurf_03_-2014_&_PERFORM_2014.pdf
- 216 2014: Laurențiu MARDARE, Doinița PÎRVU (NEAGU), Eliza DĂNĂILĂ, Lidia BENEĂ.
Nothing stays the same for ever: The environmental degradation and corrosion of materials –
applications and protection methods in marine media.
Oral presentation at 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, Galați, România.
http://www.cc-ites.ugal.ro/Invitation_Workshop_NanoSurf_03_-2014_&_PERFORM_2014.pdf
- 215 2014: Lidia BENEĂ, Eliza DĂNĂILĂ, Pierre PONTTHIAUX, Jean Pierre CELIS.
“Impact of material degradation on society, environment and health,
Oral presentation at VIth Edition of International Conference UgalMat 2014 from Dunărea de Jos
University of Galați, Section I – Advanced Technologies and Materials (TMA), 29 – 30 May 2014, Galați,
România.
<http://www.artcast.ugal.ro/>
- 214 2014: Bogdan–Sorin BAȘA, Lidia BENEĂ,
“Tribocorrosion – news inside of material degradation in specific environments”,
Oral presentation at VIth Edition of International Conference UgalMat 2014 from Dunărea de Jos University
of Galați, Section I – Advanced Technologies and Materials (TMA), 29 – 30 May 2014, Galați, România.
<http://www.artcast.ugal.ro/>
- 213 2014: Eliza DĂNĂILĂ, Lidia BENEĂ,
“Challenges in corrosion protection using vegetables extract as inhibitors”,
Oral presentation at VIth Edition of International Conference UgalMat 2014 from Dunărea de Jos University
of Galați, Section I – Advanced Technologies and Materials (TMA), 29 – 30 May 2014, Galați, România.
<http://www.artcast.ugal.ro/>
- 212 2014: Iulian BOUNEGRU, Eliza DĂNĂILĂ, Lidia BENEĂ, Alexandru CHIRIAC.
“Improving biocompatibility of Co–Cr alloy used in dentistry by surface modification with electrochemical
methods”,
Oral presentation at VIth Edition of International Conference UgalMat 2014 from Dunărea de Jos University
of Galați, Section I – Advanced Technologies and Materials (TMA), 29 – 30 May 2014, Galați, România.
<http://www.artcast.ugal.ro/>
- 211 2014: Laurențiu MARDARE, Lidia BENEĂ.
“Degradation of materials in specific saline environments with temperature differences and prevention
methods,
Conferința Științifică a Școlilor Doctorale din Universitatea Dunărea de Jos din Galați – Ediția a II-a,
Secțiunea 3 – Materiale Funcționale și Nanotehnologii (Scientific Conference of Doctoral Schools from

Dunărea de Jos University of Galați – Second Edition, Section 3 – Nanotechnologies and Functional Materials), 15 – 16 Mai 2014, Galați, România.

P.O.3.6.

<http://www.cssd-udjg.ugal.ro/>

2014: Doinița NEAGU – PÎRVU, Lidia BENEĂ

“Aspects of materials degradation under chemical attack from the leachate treatment plant of the Tirighina waste landfill”,

- 210 **Prezentare orală la Conferința Științifică a Școlilor Doctorale din Universitatea Dunărea de Jos din Galați – Ediția a II-a, Secțiunea 3 – Materiale Funcționale și Nanotehnologii** (Scientific Conference of Doctoral Schools from Dunărea de Jos University of Galați – Second Edition, Section 3 – Nanotechnologies and Functional Materials), 15 – 16 Mai 2014, Galați,

P.O.3.7.

<http://www.cssd-udjg.ugal.ro/>

2014: Iulian BOUNEGRU, Lidia BENEĂ, Alexandru CHIRIAC.

“Hybrid inorganic – organic nanocomposite coatings obtained by chitosan electrodeposition”,

- 209 **Prezentare orală la Conferința Științifică a Școlilor Doctorale din Universitatea Dunărea de Jos din Galați – ediția a II-a, Secțiunea 3 – Materiale Funcționale și Nanotehnologii** (Scientific Conference of Doctoral Schools from Dunărea de Jos University of Galați – Second Edition, Section 3 – Nanotechnologies and Functional Materials), 15 – 16 Mai 2014, Galați, România.

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<http://www.cssd-udjg.ugal.ro/>

2014: Doru MATEI, Lidia BENEĂ.

“Current status of research in functional nanocomposites coatings (films) obtained by electrochemical methods and their applications”,

- 208 **Poster presented at Conferința Științifică a Școlilor Doctorale din Universitatea Dunărea de Jos din Galați – Ediția a II-a, Secțiunea 3 – Materiale Funcționale și Nanotehnologii** (Scientific Conference of Doctoral Schools from Dunărea de Jos University of Galați – Second Edition, Section 3 – Nanotechnologies and Functional Materials), 15 – 16 Mai 2014, Galați, România.

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“Influence of electro-co-deposition parameters on TiO₂ nanoparticles inclusion into nickel matrix, structure and morphology”.

- 207 **Poster presented at: International conference NanotechITALY 2013 – Key enabling technologies for responsible innovation, New Materials and Processes; Manufacturing and Nanofabrication - session, 27 – 29 Noiembrie 2013, Veneția, Italia.**

2013: Eliza MARDARE – DĂNĂILĂ, Lidia BENEĂ, Iulian BOUNEGRU.

“Controlled Growth of Nanoporous TiO₂ Oxide Layer as Support for Hydroxyapatite Electrodeposition on Ti-6Al-4V Alloy”.

- 206 **Poster presented at: International Conference NanotechITALY 2013 – Key enabling technologies for responsible innovation, Session - New Materials and Processes; Manufacturing and Nanofabrication, 27 – 29 Noiembrie 2013, Veneția, Italia.**

2013: Lidia BENEĂ, Eliza DĂNĂILĂ, Jean-Pierre CELIS.

“Influence of Contact Frequencies on Corrosion Behavior of Ti-6Al-4V Alloy during Fretting in Physiological Solution”

- 205 **IEEE International Conference on e-Health and Bioengineering, EHB 2013, 21 – 23 Noiembrie 2013, Universitatea de Medicină și Farmacie „Gr. T. Popa” Iași, Romania.**

- 204 **2013: Marilena PRALEA – MARDARE, Lidia BENEĂ, Eliza DĂNĂILĂ, Iulian BOUNEGRU**
” **Effect of Electroplating Parameters on UHMWPE Co-deposition into Cobalt Matrix**”
IEEE International Conference on e-Health and Bioengineering, EHB 2013, 21 - 23 Noiembrie 2013, Universitatea de Medicină și Farmacie "Gr. T. Popa" Iași, Romania.
- 203 **2013: Vlad-Gabriel VASILESCU, Lidia BENEĂ, Elisabeta VASILESCU, Eliza DĂNĂILĂ.**
”**In vitro evaluation of the electrochemical corrosion behaviour of cobalt – chromium orthodontic alloy under physiological conditions at different pH**”.
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- 202 **2013: Alina Ciubotariu, Lidia Benea, Pierre Ponthiaux, Francois Wenger**
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- 201 **2013: Lidia BENEĂ, Marilena MARDARE (PRALEA).**
’**Effects of UHMWPE inclusion on the surface morphology and corrosion resistance of Co/UHMWPE hybrid biocoatings**”.
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- 200 **2013: Andrei Mihai CHIRIAC, Lidia BENEĂ, Nadège CARON, Olivier RAQUET, Pierre PONTIAUX, Jean-Pierre CELIS.**
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- 189 **2013: Iulian BOUNEGRU, Lidia BENEĂ, Eliza DĂNĂILĂ, Alexandru CHIRIAC.**
” **Properties and biomedical applications of chitosan**”,
Comunicare la: The Second International Conference of Young Researchers “New trends in environmental and materials engineering” (TEME), 28 - 30 Octombrie 2013, Galați, Romania.
- 188 **2013: Sorin Bogdan BAȘA, Lidia BENEĂ, Nadège CARON, Olivier RAQUET, Pierre PONTIAUX, Jean-Pierre CELIS.**
” **Electrochemical synthesis and characterization of Ni/WC nanocomposite layers**”,
Comunicare la: The Second International Conference of Young Researchers “New trends in environmental and materials engineering” (TEME), 28 - 30 Octombrie 2013, Galați, Romania
- 187 **2013: Lidia BENEĂ, Adina PAVLOV, Eliza DĂNĂILĂ, Nadège CARON, Olivier RAQUET.**
”**Synthesis of nanostructured Ni-TiO₂ layers and their effective electrocatalytic properties**”,
Comunicare la The second international conference of young researchers “New trends in environmental and materials engineering” (TEME), 28 - 30 Octombrie 2013, Galați, Romania.
- 186 **2013: Lidia Benea:**
”**Recent research and development in electrodeposition of nanocomposite layers and nanostructures**”
Comunicare la The second international conference of young researchers “New trends in environmental and materials engineering” (TEME), 28 - 30 Octombrie 2013, Galați, Romania.

- 2013: Andrei Mihai CHIRIAC, **Lidia BENEĂ**, Nadège CARON, Olivier RAQUET, Pierre PONTTHIAUX, Jean-Pierre CELIS.
185 **“Fabrication of Ni-TiC Hard Nanocomposite Layers by Electro-co-deposition Process and Study of Its Characteristics”**
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- 2013: Sorin Bogdan BAȘA, **Lidia BENEĂ**, Nadège CARON, Olivier RAQUET, Pierre PONTTHIAUX, Jean-Pierre CELIS.
184 **” Electroplating of Ni-WC Nanocomposite Coatings for Improving Corrosion and Wear Resistance of Steel Surfaces”**
First International Conference Danube - Black Sea 3E - Energy, Environment & Efficiency, 18 - 21 Septembrie 2013, Galați, Romania.
- 2013: Lidia Benea:
183 **”Nanocomposite coatings for improving the corrosion and wear resistance of surfaces,**
Comunicare la IVC-19 / ICN+T 2013 and partner conferences (19th International Vacuum Congress (IVC-19), International Conference on Nanoscience and Technology (ICN+T 2013), 15th International Conference on Solid Surfaces (ICSS-15), Innovations in Thin Film Processing and Characterisation (ITFPC 2013), Magnetron, Ion processing & Arc Technologies European Conference (MIATEC 2013), 19th International Colloquium on Plasma Processes (CIP 2013), Reactive Sputter Deposition (RSD 2013)), Sesiunea: Nanostructured Protective Coatings (Joint with ITFPC 2013), Paris, France September 9-13, 2013.
- 2013: Vlad-Gabriel Vasilescu, **Lidia Benea**, Elisabeta Vasilescu.
182 **“Influence of pH solution on corrosion behaviour of cobalt – chromium alloy used in dentistry”.**
Prezentare Poster la: Conferința Științifică a Școlilor Doctorale din UDJ Galați CSSD-UDJG 2013 Ediția I , Galați, 16-17 mai 2013.P.3.11
- 2013: Alina Ciubotariu, **Lidia Benea**, Pierre Ponthiaux, Francois Wenger.
181 **“Phenol – Formaldehyde Resin/Zn Composite Layers – A Way to Improve Corrosion Resistance of Zinc Electrodeposition”.**
Prezentare Poster la: Conferința Științifică a Școlilor Doctorale din UDJ Galați CSSD-UDJG 2013 Ediția I , Galați, 16-17 mai 2013.
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- 2013: Adina Pavlov, **Lidia Benea**, Lilia Ilie, Jean - Pierre Celis.
180 **“Influence of TiO₂ nanoparticles on surface morphology and cristalinity of nickel electrodeposited nickel film”.**
Prezentare poster la: Conferința Științifică a Școlilor Doctorale din UDJ Galați CSSD-UDJG 2013 Ediția I , Galați, 16-17 mai 2013.
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- 2013: . Marilena Mardare (Prlea), **Lidia Benea**, Lilia Ilie.
179 **”Electro-co-deposition of UHMWPE biopolymer with cobalt to obtain functional coatings”**
Comunicare la: Conferința Științifică a Școlilor Doctorale din UDJ Galați CSSD-UDJG 2013 Ediția I , Galați, 16-17 mai 2013.
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- 2013: Iulian Bounegru, **Lidia Benea**, Lilia Ilie, Geta Carac, Alexandru Chiriac.
178 **“Advanced composite coatings for biomedical applications using electrodeposition of chitosan”.**
Comunicare la: Conferința Științifică a Școlilor Doctorale din UDJ Galați CSSD-UDJG 2013 Ediția I , Galați, 16-17 mai 2013.

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- 2013: Lidia Benea.
Electrochemical surface modifications and characterization methods – a promising avenue for functional materials.
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- 2012: Alina – Crina CIUBOTARIU, Lidia BENEĂ, Pierre PONTTHIAUX and François WENGER
“Zn/PF resin composite coatings and their corrosion resistance”,
176 Poster presentation at Symposium 9, 63rd Annual Meeting of the International Society of Electrochemistry, 19 - 24 August, 2012 Prague, Czech Republic.
Poster presentation at A 63-a întâlnire anuală a Societății Internaționale de Electrochimie, 19 – 24 august 2012, Praga, Republica Cehă (63rd Annual Meeting of the International Society of Electrochemistry, 19 - 24 August, 2012 Prague, Czech Republic).
poster ID: ise122440.
- 2012: Lidia BENEĂ, Eliza MARDARE, Jean – Pierre CELIS.
“Influence of Surface Treatments on Corrosion Behaviour of Ti-6Al-4V Alloy in Bio-simulated Fluid Solution”,
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Poster presentation at A 63-a întâlnire anuală a Societății Internaționale de Electrochimie, 19 – 24 august 2012, Praga, Republica Cehă (63rd Annual Meeting of the International Society of Electrochemistry, 19 - 24 August, 2012 Prague, Czech Republic).
poster ID: ise121525.
- 2012: Ionica PAVLOV, Lidia BENEĂ, Jean-Pierre CELIS.
“Electrosynthesis and Corrosion behaviour of Ni/Nano-TiO₂ Composite Coating”,
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Poster presentation at A 63-a întâlnire anuală a Societății Internaționale de Electrochimie, 19 – 24 august 2012, Praga, Republica Cehă (63rd Annual Meeting of the International Society of Electrochemistry, 19 - 24 August, 2012 Prague, Czech Republic).
poster ID: ise121769.
- 2011: Authors: Prof.dr. Lidia Benea, Prof.dr. Maria Vlad, Prof.dr. Antoaneta ENE
“Analysis of the Doctoral School at “Dunarea de Jos” University of Galati involved in PhD EXPERT project.
173 Conference presented at: International Workshop: **Research quality in doctoral school, increased industrial and international visibility** (POSDRU 19524)/ 13 – 14 July 2011, Galati, Romania.
- 2011: Adina PAVLOV, Lidia BENEĂ.
“Influence of nanometric TiO₂ particles co-deposition on nickel electrocrystallization mechanism”
172 Oral presentation at: International Workshop: **Research quality in doctoral school, increased industrial and international visibility** (POSDRU 19524)/ 13 – 14 July 2011, Galati, Romania.
- 2011: Stefan Balta, Lidia BENEĂ, Bart Van der BRUGGEN.
“The use of ZnO nano-particles in polymeric membranes”
171 Oral presentation at: International Workshop: **Research quality in doctoral school, increased industrial and international visibility** (POSDRU 19524)/ 13 – 14 July 2011, Galati, Romania.

- 2011: Eliza MARDARE, Lidia BENEÀ, Jean-Pierre CELIS.
170 “Surface modification of Ti-6Al-4V alloy to improve the fretting – corrosion resistance in simulating body fluid solution”.
Oral presentation at: International Workshop: **Research quality in doctoral school, increased industrial and international visibility** (POSDRU 19524)/ 13 – 14 July 2011, Galati, Romania.
- 2011: Simona F. ȘORCARU, Lidia BENEÀ, François WENGER, Pierre PONTIAUX
169 “Performances of nanostructured Co/ZrO₂ composite coatings under tribocorrosion conditions in Hank SBF solution”.
Poster presentation at: International Workshop: **Research quality in doctoral school, increased industrial and international visibility** (POSDRU 19524)/ 13 – 14 July 2011, Galati, Romania.
- 2011: Marilena MARDARE, Lidia BENEÀ, Eliza MARDARE
168 “Synthesis and characterisation of cobalt – UHMWPE composite coatings by co – electrodeposition on stainless steel”
Poster presentation at: International Workshop: **Research quality in doctoral school, increased industrial and international visibility** (POSDRU 19524)/ 13 – 14 July 2011, Galati, Romania.
- 2011: Lucian BAICAN, Lidia BENEÀ.
167 “Nanocomposite coatings in copper matrix: performances and perspectives”
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- 2011: Alina CIUBOTARIU, Lidia BENEÀ, Pierre PONTIAUX, François WENGER.
165 ” Particles size influence on the morphological aspects and corrosion behaviour of PF resin/Zn composite layers”.
Poster presentation at: International Workshop: **Research quality in doctoral school, increased industrial and international visibility** (POSDRU 19524)/ 13 – 14 July 2011, Galati, Romania.
- 2011: Stefan Balta, Lidia Benea, Bart van der Bruggen.
164 INFLUENCE OF NANOPARTICLES SIZE ON THE MEMBRANE PROPERTIES
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- 2011: Alina Ciubotariu, Lidia Benea, Wolfgang Sand
163 SULPHATE REDUCING BACTERIA IN BIOFILMS ON THERMOSETTING POLYMERS/ZN COMPOSITE COATINGS.
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- 2011: Adina Ionica Pavlov, Lidia Benea
162 INFLUENCE OF CO-DEPOSITION PARAMETERS FOR ELECTROCHEMICAL SYNTHESIS OF Ni-TiO₂ NANOCOMPOSITE COATINGS – A REVIEW.
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- 2011: Lucian Baican, Lidia Benea
161 “Nanocomposite coatings obtained by electro-codeposition of ceramic particles with copper: a review
Poster presentation at International Conference TEME 2011: New trends in environmental and materials engineering (TEME), 18-20 May 2011, GALATI, ROMANIA.

- 2011: Lidia Benea:
"Complementary work a successful opportunity of a PhD student to gain experience from an abroad European academic institution".
160 Conference at Seminar: POLICIES CONCERNING RESEARCH ACTIVITY IN THE DOCTORAL SCHOOL AND THE EMPLOYMENT OF PhD GRADUATES. PhD Expert.
22nd – 26th of May 2011, Leuven, Belgium.
- 2011: Adina Ionica PAVLOV , Lidia BENEÀ.
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VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18-20 April 2011
VI International Materials Symposium MATERIAIS 2011
XV meeting of SPM - Sociedade Portuguesa de Materiais.
18-20 April 2011, Guimarães, Portugal.
- 2011: Eliza MARDARE, Lidia BENEÀ, Jean – Pierre CELIS.
"Tribocorrosion Behavior of Untreated Ti-6Al-4V Alloy In Fusayama – Meyer Saliva Solution"
ID: 245. Poster presentation at Joint Scientific Meetings:
158 VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18-20 April 2011
VI International Materials Symposium MATERIAIS 2011
XV meeting of SPM - Sociedade Portuguesa de Materiais.
18-20 April 2011, Guimarães, Portugal.
- 2011: Lidia BENEÀ, Eliza MARDARE, Pierre PONTIAUX, François WENGER.
"Dispersed nano structured Co / ZrO₂ composite coatings obtained by electrochemical codeposition.
Poster ID: 240. Poster presentation at Joint Scientific Meetings:
157 VI International Materials Symposium MATERIAIS 2011, Guimarães, Portugal, 18-20 April 2011
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- 2010: Florentina Simona ȘORCARU, Lidia BENEÀ, Pierre PONTIAUX, François WENGER.
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October 1st, 2010, Nice, France. Poster S07-P-093
- 2010: Stefan BALTA, Lidia BENEÀ, Simona Florentina ȘORCARU , Eliza MARDARE.
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155 Poster presentation at 61st Annual Meeting of the International Society of Electrochemistry, September 26th -
October 1st, 2010, Nice, .France. Poster S05 – P-114.
- 2010: Lidia BENEÀ, Marilena MARDARE, Eliza MARDARE.
"Electrochemical Study of UHMWPE Inclusion in the Cobalt Matrix by Co-Deposition Process".
154 Poster presentation at 61st Annual Meeting of the International Society of Electrochemistry, September
26th - October 1st, 2010, Nice, .France. Poster S09-P068.
- 2010: Eliza MARDARE, Lidia BENEÀ, Jean Pierre CELIS.
" Electrochemical corrosion properties of Ti-6Al-4V alloy used on orthopedic implants",
153 Poster presentation at 61st Annual Meeting of the International Society of Electrochemistry, September 26th -
October 1st, 2010, Nice, .France. Poster S06 –P—073.

- 2010: Lidia BENEĂ, Marilena MARDARE-PRALEA.
152 "UHMWPE-Cobalt Composite Layers by Codeposition Process",
O-102: **Prezentare orală** la The Eight International Symposium on Electrochemical Micro & Nanosystem Technologies, 21-24 September 2010, Cannes Mandelieu, France
- 2010: Lidia BENEĂ, Florentina Simona SORCARU, Eliza MARDARE-DANAILA, Stefan Balta.
151 "Co-electrodeposition of Nano and Microsized ZrO₂ Particles with Cobalt",
P-104 Poster presentation at The Eight International Symposium on Electrochemical Micro & Nanosystem Technologies, 21-24 September 2010, Cannes Mandelieu, France.
- 2010: Lidia BENEĂ, Florentina Simona SORCARU, Pierre PONTTHIAUX, Francois WENGER,
150 „Cobalt - CeO₂ Nanocomposite Coatings Prepared by Electrodeposition”,
P-103 Poster presentation at The Eight International Symposium on Electrochemical Micro & Nanosystem Technologies, 21-24 September 2010, Cannes Mandelieu, France. :
- 2010: Stefan BALTA, Lidia BENEĂ, Bart Van der BRUGGEN.
149 „Manufacturing of PES membranes with TiO₂ nanoparticles and comparison with PES membranes without TiO₂”,
P-105 Poster presentation at The Eight International Symposium on Electrochemical Micro & Nanosystem Technologies, 21-24 September 2010, Cannes Mandelieu, France.
- 2010: Lidia BENEĂ, Simona-Florentina SORCARU, Marian NEACSU, Pierre PONTTHIAUX, Francois WENGER, Elena DRUGESCU.
148 „Tribocorrosion behaviour of Al-Zn-Mg-Cu alloy in 3.5 wt% NaCl solution”
Prezentare orală la Conferinta de Corozivare si Protectie Anticoroziva 2010 - a V-a Conferință Națională cu Participare Internațională de Corozivare și Protecție Anticorozivă. 16 - 18 septembrie 2010, Cluj Napoca.
- 2010: Eliza MARDARE, Lidia BENEĂ, Jean-Pierre CELIS.
147 „Corrosion behaviour of Ti-6Al-4V alloy in FUSAYAMA – MEYER saliva solution”.
Prezentare orală la Conferinta de Corozivare si Protectie Anticoroziva 2010 - a V-a Conferință Națională cu Participare Internațională de Corozivare și Protecție Anticorozivă. 16 - 18 septembrie 2010, Cluj Napoca.
- 2010: Lidia BENEĂ, Marilena MARDARE-PRALEA, Eliza MARDARE-DANAILA, Paula COJOCARU
146 'Study of UHMWPE inclusion in the cobalt matrix by electroplating co-deposition",
Prezentare orală la Conferinta de Corozivare si Protectie Anticoroziva 2010 - a V-a Conferință Națională cu Participare Internațională de Corozivare și Protecție Anticorozivă. 16 - 18 septembrie 2010, Cluj Napoca
- 2010: Lidia BENEĂ, Alina CIUBOTARIU, Bernard TRIBOLLET, Wolfgang SAND.
145 „Ni-SiC nanocoatings and SRB biofilm formation”
Prezentare orală la Conferinta de Corozivare si Protectie Anticoroziva 2010 - a V-a Conferință Națională cu Participare Internațională de Corozivare și Protecție Anticorozivă. 16 - 18 septembrie 2010, Cluj Napoca.
- 2010: Lidia BENEĂ, Florentina Simona SORCARU, Pierre PONTTHIAUX, Francois WENGER.
144 "Mechanism of co-deposition of Co/CeO nanocoatings”
Prezentare orală la Conferinta de Corozivare si Protectie Anticoroziva 2010 - a V-a Conferință Națională cu Participare Internațională de Corozivare și Protecție Anticorozivă. 16 - 18 septembrie 2010, Cluj Napoca
- 2010: Florentina – Simona SORCARU, Lidia Benea, Pierre Ponthiaux, Francois WENGER.
143 "Co-depositon study of dispersed ZrO bioceramic with cobalt”
Prezentare orală la Conferinta de Corozivare si Protectie Anticoroziva 2010 - a V-a Conferință Națională cu Participare Internațională de Corozivare și Protecție Anticorozivă. 16 - 18 septembrie 2010, Cluj Napoca

- 2010: Stefan BALȚĂ, Lidia BENEĂ, Bart Van der BRUGGEN.
"Manufacturing of PES membranes with oxide nanoparticles for water nanofiltration"
 142 Poster presentation at Conferinta de Corozivare si Protectie Anticoroziva 2010 - a V-a Conferință Națională cu Participare Internațională de Corozivare și Protecție Anticorozivă. 16 - 18 septembrie 2010, Cluj Napoca
- 2010: Alina Crina CIUBOTARIU, Lidia BENEĂ, Wolfgang SAND
„Atomic Force Microscopy Method applied to investigate the thermosetting polymers/Zn composite Layers”
 141 Poster presentation at Conferinta de Corozivare si Protectie Anticoroziva 2010 - a V-a Conferință Națională cu Participare Internațională de Corozivare și Protecție Anticorozivă. 16 - 18 septembrie 2010, Cluj Napoca.
- 2010: Lidia BENEĂ, Marilena MARDARE-PRALEA, Eliza MARDARE-DANAILA, Paula COJOARU
„Co-Deposition of UHMWPE during Cobalt Electroplating Process”,
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- 2010: Eliza MARDARE, Lidia BENEĂ, Jean-Pierre CELIS.
“Tribocorrosion Behaviour of Ti-6Al-4V Alloy in Fusayama – Meyer Saliva Solution”,
 139 Prezentare Poster la **Joint Workshop PhD Expert & PHC Brancusi during 22-23 iulie 2010, Galati, Romania.**
- 2010: Florentina Simona SORCARU, Lidia BENEĂ, Pierre PONTTHIAUX, Francois WENGER
“Tribocorrosion study of Co-CeO₂ Nanocomposite Coatings obtained by Electrodeposition”,
 138 Prezentare Poster la **Joint Workshop PhD Expert & PHC Brancusi during 22-23 iulie 2010, Galati, Romania.**
- 2010: Stefan BALȚĂ, Arcadio SOTTO, Lidia BENEĂ, Bart Van der BRUGGEN.
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 137 Prezentare Poster la **Joint Workshop PhD Expert & PHC Brancusi during 22-23 iulie 2010, Galati, Romania.**
- 2010: Lidia BENEĂ, Marian NEACȘU¹, Simona-Florentina ȘORCARU, Pierre PONTTHIAUX, Francois WENGER, Elena DRUGESCU.
“Tribocorrosion Study of Al-Zn-Mg-Cu alloy in NaCl Solution”.
 136 Prezentare Poster la **Joint Workshop PhD Expert & PHC Brancusi during 22-23 iulie 2010, Galati, Romania.**
- 2010: Lidia Benea:
 Joint PhD Thesis at Dunarea de Jos University of Galati.
 135 **Prezentare orală la Joint Workshop PhD Expert & PHC Brancusi during 22-23 iulie 2010, Galati, Romania.**
- 2010: Stefan Balta, Arcadio Sotto, Lidia Benea, Bart Van der Bruggen.
„Synthesis and characterization of TiO₂ and ZnO blended nanofiltration membranes”,
 134 **Poster presentation at International Conference SYSTEMS MEMBRANES-COMPLEX ROADMAPS TOWARD FUNCTIONAL DEVICES AND COUPLED PROCESSES, 14-19 Iunie 2010, Bucuresti, Romania.**
- 2010: Lidia Benea:
General presentation of Research and PhD Projects CC-ITES research centre
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Conference presented at Seminar PhD Expert organised in Katholieke Universiteit Leuven, Belgium during 25th – 31th of March 2010.

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- 2009: L. Benea, M.Mardare, P.Cojocaru;
132 **Electrochemical deposition and SEM surface morphology of Co and UHMWPE/Co composite layers.**
Conference presented at: UGALMAT, 22 – 23 octombrie, Galati, Romania.
www.fmet.ugal.ro/sesiuni_stiintifice
- 2009: L. Benea, F. Sorcaru, P. Ponthiaux, F. Wenger;
131 **“ Study of ZrO₂/Co deposition with cobalt from chloride electrolyte”.**
Conference presented at: UGALMAT, 22 – 23 octombrie, Galati, Romania.
www.fmet.ugal.ro/sesiuni_stiintifice
- 2009: Alina Crina Ciubotariu, Lidia Benea, Olga Mitoşeriu, Pierre Ponthiaux, François Wenger.
130 **“Morphological aspects and corrosion behaviour of phenol formaldehyde/Zn composite coatings”**,
Conference presented at: UGALMAT, 22 – 23 octombrie, Galati, Romania.
www.fmet.ugal.ro/sesiuni_stiintifice
- 2009: L. Benea, V. Dragan, B. Tribollet.
129 **„Electrochemical corrosion properties of SiC/Ni nano-composite coatings in 0,5 NaCl”.**
Conference presented at: UGALMAT, 22 – 23 octombrie, Galati, Romania.
www.fmet.ugal.ro/sesiuni_stiintifice
- 2009: Lidia Benea, Alina Ciubotariu, Bernard Tribollet, Wolfgang Sand.
128 **“ Influence of nano SiC co-deposition with nickel to biofilm formation on nanocomposite coatings”.**
Poster presentation at: International Conference **FNMA - Functional and Nanonstructured Materials**, held in Sulmona (L'Aquila, Italy) from 27 to 30 September, 2009.
www.fnma09.gda.pl
- 2009: Lidia Benea, Pierre Ponthiaux, F. Simona Sorcaru, Francois Wenger.
127 **„Dispersed nano-CeO₂ in cobalt – a way to improve the coatings properties”**
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- 2009: Lidia Benea, Marilena Mardare, Bernard Tribollet.
126 **Dispersed nano-sized SiC in nickel to improve the corrosion properties of composite coatings.**
Conference presented at: EUROCORR 2009 - The European Corrosion Congress, 6 - 10 September 2009, Nice, France.
www.eurocorr.org/EUROCRR_2009
- 2009: Lidia Benea, Alina Ciubotariu, Bernard Tribollet, Wolfgang Sand.
125 **“Surface modifications to influence biofilm formation on material surfaces”.**
Conference presented at: EUROCORR 2009 - The European Corrosion Congress, 6 - 10 September 2009, Nice, France.
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- 2009: Lidia Benea, Pierre Ponthiaux, F.S. Sorcaru, F. Wenger, J.P. Celis.
124 **„Dispersed nano-sized SiC in nickel to improve the corrosion properties of composite coatings”.**
Conference presented at: EUROCORR 2009 - The European Corrosion Congress, 6 - 10 September 2009, Nice, France.
www.eurocorr.org/EUROCRR_2009

- 2009: Lidia Benea, Simona F. Sorcaru, Pierre Ponthiaux, François Wenger, Jean Pierre Celis
“Improving the corrosion resistance of cobalt coatings by co-deposition of ZrO₂ dispersed particles”.
123 Conference presented at European COST 533 Action on Materials for Improved Wear Resistance of Total Artificial Joints final meeting , 2nd International Workshop on Biotribology - Bridging Engineering and Medicine held in Guimaraes, Portugal, 25-27 May 2009.
www.ct2m.uminho.pt/biotrib2009/index
- 2009: Lidia Benea, Pierre Ponthiaux, Marilena Mardare, Jean Pierre Celis
“Alternative materials – Cobalt / UHMWPE composite coatings”.
122 Conference presented at European COST 533 Action on Materials for Improved Wear Resistance of Total Artificial Joints final meeting , 2nd International Workshop on Biotribology - Bridging Engineering and Medicine held in Guimaraes, Portugal, 25-27 May 2009.
www.ct2m.uminho.pt/biotrib2009/index
- 2009: Alina Ciubotariu, Lidia Benea, Wolfgang Sand:
“Combined AFM and EFM for visualization of sulphate reducing bacteria on thermosetting resin / Zn composite coatings”
121 Conference presented at: COST D33 - Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials; International Final Workshop, 13-15 May 2009, Cluj-Napoca RO.
www.fmet.ugal.ro/CC_ITES/Workshops
- 2009: Lidia Benea, Alina Ciubotariu, Wolfgang Sand, Bernard Tribollet.
“Materials characteristics influencing biofilm formation and growth”
120 Conference presented at: COST D33 - Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials; International Final Workshop, May 13th 2009 – May 15th 2009, Cluj-Napoca RO.
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- 2009: Lidia Benea:
COST D33 - WG1 activity report.
“Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials”
119 Conference presented at: COST D33 - Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials; International Final Workshop, May 13th 2009 – May 15th 2009, Cluj-Napoca RO.
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- 2009: Lidia Benea, Marilena Mardare, Paula Cojocar, Remus Mihaila;
„ZrO₂/Co New functional bio composite coatings”.
118 Poster presented at: COST D33 - Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials; International Final Workshop, May 13th 2009 – May 15th 2009, Cluj-Napoca RO.
www.fmet.ugal.ro/CC_ITES/Workshops
- 2009: Marilena Mardare, Lidia Benea, Paula Cojocar.
„Influence of UHMWPE/Co composite coatings on biofilm formation, biocompatibility and degradation”
117 Poster presented at: COST D33 - Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials; International Final Workshop, May 13th 2009 – May 15th 2009, Cluj-Napoca RO.
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- 116 2009: Lidia Benea, Simona-F. Sorcaru, Pierre Ponthiaux.

'Nano-composite coatings – functional surfaces in decreasing the bacterial adhesion - surface study'.

Poster presented at: COST D33 - Nanoscale Electrochemical and Bioprocesses (Corrosion) at Solid-aqueous Interfaces of Industrial Materials; International Final Workshop, May 13th 2009 – May 15th 2009, Cluj-Napoca RO.
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2008: L. Benea.**Electrochemical Methods To Study The Tribocorrosion Processes.**

- 115 Conference presented at RSE-SEE: First Regional Symposium on Electrochemistry of South-East Europe Crveni Otok, Rovinj, Istria, Croatia, May 4-8, 2008,
www.rse-see.net/First_RSE-SEE_Abstract_Collection

2008: L. Benea, G. Cârâc**Electrochemical and Structural Studies of Nano- And Micro – Structured Sic-Ni Composite Coatings.**

- 114 Conference presented at RSE-SEE: First Regional Symposium on Electrochemistry of South-East Europe Crveni Otok, Rovinj, Istria, Croatia, May 4-8, 2008,
www.rse-see.net/First_RSE-SEE_Abstract_Collection

2008: A. Ciubotariu, L. Benea, O. Mitoşeriu, P. Ponthiaux, F. Wenger**Structural Modification Of Zinc Electroplating By Adding Phenol-Resin During Electrodeposition.**

- 113 Conference presented at: RSE-SEE: First Regional Symposium on Electrochemistry of South-East Europe Crveni Otok, Rovinj, Istria, Croatia, May 4-8, 2008,
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2008: Lidia Benea.**Chemical, electrochemical and structural factors influencing the biofilm formation and growth.**

- 112 Conference presented at: COST D33 - WG2 Meeting. Chemistry, Materials and Chemistry Engineering Department "Giulio Natta" Politecnico di Milano, Italia, 14 November 2008.

2008: Alina - Crina Ciubotariu, Alina Cantaragiu, Lidia Benea, Geta Carac**Correlation between microstructure and micro hardness of cobalt matrix composite coatings.**

Alina - Crina Ciubotariu, Alina Cantaragiu, Lidia Benea, Geta Carac

- 111 **CONFERENCE PRESENTED AT: COST 533 "BIOTRIBOLOGY: MATERIALS FOR IMPROVED WEAR RESISTANCE OF TOTAL ARTIFICIAL JOINTS" WG'S 1,2,3,4 WORKSHOP PROGRAM. HOTEL ILISIA, MICHALAKOPOULOU 25 ATHENS, GREECE (GR), 7-8 OCTOBER 2008.**
12th Management Committee Meeting.

2008: G. Carac, L. Benea, A.M. Cantaragiu*, D. Thiemig**"Electrocodeposition of Hydroxyapatite Nanoparticles with Zinc-Iron Alloys".**

- 110 **Conference presented at: COST 533 "BIOTRIBOLOGY: MATERIALS FOR IMPROVED WEAR RESISTANCE OF TOTAL ARTIFICIAL JOINTS" WG'S 1,2,3,4 WORKSHOP PROGRAM. HOTEL ILISIA, MICHALAKOPOULOU 25 ATHENS, GREECE (GR), 7-8 OCTOBER 2008.**
12th Management Committee Meeting.

2008: Lidia Benea, Bernard Tribollet, Paula Popa, Wolfgang Sand.**Environmental and structural factors influencing biofilm formation and bicorrosion.**

- 109 Conference presented at COST Action D33: „Nanoscale electrochemical and bio-processes at solid-aqueous interfaces of industrial materials”, Working Group 3 meeting. Real Centro Universitario Escorial "Maria Cristina" Universidad Complutense de Madrid, Spania 3 November 2008.

2008: Lidia Benea.**Introduction of WG1.**

Conference presented at: COST D33 - 2nd Workshop: "Nanoscale Electrochemical and Bio-Processes (Corrosion)

at Solid-Aqueous Interfaces of Industrial Materials” Obernai – France, May 14 - 15, 2008.

- 2008: L. Benea, B. Tribollet, Mardare Marinela.
107 Effect of nano sized SiC particles on the electrochemical corrosion behaviour of nickel coatings.
Conference presented at: COST D33 - 2nd Workshop: “Nanoscale Electrochemical and Bio-Processes (Corrosion) at Solid-Aqueous Interfaces of Industrial Materials” Obernai – France, May 14 - 15, 2008.
- 2008: L. Benea, B. Tribollet, W. Sand, P. Ponthiaux, F. Wenger
106 Factors influencing the bacteria attachments and biofilm formation on surface of materials.
Conference presented at: COST D33 - 2nd Workshop: “Nanoscale Electrochemical and Bio-Processes (Corrosion) at Solid-Aqueous Interfaces of Industrial Materials” Obernai – France, May 14 - 15, 2008.
- 2008: Lidia Benea, Francois Wenger, Jean-Pierre Celis, Pierre Ponthiaux
105 Electrochemical methods in investigation the tribocorrosion processes of passivable materials.
Conference presented at: ICCMTM 2008 (International Conference on Corrosion and Modern Technologies in the Military) 5-8 Nov. 2008 Bucharest, Romania.
www.iccmtm2008.itc.ro/Programme_ICCMTM_2008
- 2008: Geta Carac, Lidia Benea, Denny Thiemig, Andreas Bund.
104 Cobalt composite coatings with lanthanide oxides – correlation between structure and properties.
Conference presented at: ICCMTM 2008 (International Conference on Corrosion and Modern Technologies in the Military) 5-8 Nov. 2008 Bucharest, Romania.
www.iccmtm2008.itc.ro/Programme_ICCMTM_2008
- 2008: Alina Ciubotariu, Lidia Benea, Olga Mitoseriu, Pierre Ponthiaux, Francois Wenger;
103 Influence of current density on the corrosion behaviour of phenol–formaldehyde / Zn composite coatings obtained by electrodeposition.
Conference presented at: ICCMTM 2008 (International Conference on Corrosion and Modern Technologies in the Military) 5-8 Nov. 2008 Bucharest, Romania.
www.iccmtm2008.itc.ro/Programme_ICCMTM_2008
- 2008: Lidia Benea, B Tribollet, W Sand, F Wenger, P Ponthiaux.
102 Bacteria attachments and biofilm formation on material surfaces.
Conference presented at: International Conference of Physical Chemistry Romphyschem-13, September 3 - 5, 2008, Bucharest – ROMANIA.
www.web.icf.ro/romphyschem/index.php/registered-participants13
- 2008: Lidia Benea, Bernard Tribollet Marilena Mardare
101 Electrochemical corrosion behaviour of nano SiC-Nickel composite coatings.
Conference presented at: International Conference of Physical Chemistry Romphyschem-13, September 3 - 5, 2008, Bucharest – ROMANIA.
www.web.icf.ro/romphyschem/index.php/registered-participants13
- 2008: Olga Mitoseriu, Alina Ciubotariu, Lidia Benea, Pierre Ponthiaux, Francois Wenger.
100 Obtained by electrodeposition and corrosion behaviour of phenol formaldehyde resin – Zn composite coatings.
Conference presented at: International Conference of Physical Chemistry Romphyschem-13, September 3 - 5, 2008, Bucharest – ROMANIA.
www.web.icf.ro/romphyschem/index.php/registered-participants13

- 2007: Lidia Benea
Electrochemical aspects and bio-tribological properties of actually used nickel based alloys and alternative materials and coatings
99 **Conference on ongoing work of the project at European Action ESF-COST: COST 533 Biotribology** (Materials for Improved Wear Resistance of Total Artificial Joints) www.biotribology.net
ENIWEP (European Network for Industrial Wear prevention); www.eniwep.org
Place: Fundaci3n TEKNIKER, Avda. Otaola, 20, 20600 Eibar (Gipuzkoa) / Spain, 27-31 of October 2007.
- 2007: Lidia Benea, F. Wenger, J.P. Celis, P.L. Bonora, M. L-Varsanyi.
98 **Tribocorrosion systems: processing and properties investigation.**
COST Action 532 Stiintific Final Report Triboscience and tribotechnology superior friction and wear control in engines and transmissions, p. 69-79, COST-ESF-Materials, Physical and Nanosciences.
- 2006: Lidia Benea.
Electrochemical Aspects and Bio - Tribocorrosion Properties of Actually Used Nickel Based Alloys and Alternative Materials and Coatings in artificial joints.
97 **Conference presented at European Project: COST 533 - Materials for Improved Wear Resistance of Total Artificial Joints.** Membru in Comitetul de Management si Director proiect. COST Materials Action 533 Meeting date 23-24 februarie 2006 in Leeds, UK.
- 2006: L. Benea, V. Iordache, F. Wenger, P. Ponthiaux, J.-P. Celis;
96 **Tribo-corrosion behaviour of silicon carbide – nickel nanostructured coatings in pin-on-disk systems.**
Conference presented at: EUROCORR 2006, 25 to 28 September 2006, Maastricht, Pays-Bas, Olanda.
- 2006: LIDIA BENEÀ
Aspects of micro and nanocorrosion in tribocorrosion processes.
95 **Short oral presentation la Simpozionul International - 6th International Symposium on Electrochemical Micro & Nano System Technologies, EMNT 2006, organizat de Max-Planck-Institut für Eisenforschung, Düsseldorf si tinut la Bonn, Germany in perioada 22 august – 25 august 2006.**
www.192.12.81.124/index.php?id=92
- 2006: LIDIA BENEÀ, GETA CARAC.
Dispersed Nano and Micro Structured Composite Coatings Obtained by Codeposition of Ceramic Particles with Nickel.
94 **Short oral presentation la Simpozionul International - 6th International Symposium on Electrochemical Micro & Nano System Technologies, EMNT 2006, organizat de Max-Planck-Institut für Eisenforschung, Düsseldorf si tinut la Bonn, Germany in perioada 22 august – 25 august 2006.**
www.192.12.81.124/index.php?id=88
- 2006: Lidia Benea
Electrochemical and biotribocorrosion studies of interfaces between (composites, metallic, polymeric, ceramic) materials and micro organisms.
93 Conferinta in cadrul proiectului european COST D33 – Chemistry, organizat la Galati, in perioada 18-19 septembrie 2006, intalnirea grupului de lucru WG2 - Analyses of chemical and biological processes causing adhesion of macromolecules, (microbial) cells, consortia etc to materials surfaces.
- 2006: Lidia BENEÀ
92 **Nano and micro structured composite coatings from electrodeposition to tribocorrosion**
Conferinta la Workshopul International *Surface engineering - from nano and micro composite coatings*

electrodeposition to tribocorrosion of functional materials. In perioada 22 iulie-28 iulie 2006, organizat de Universitatea Dunarea de Jos din Galati, Facultatea de Metalurgie si Stiinta Materialelor – Laboratorul Interfete-Tribocoroziiune si Sisteme Electrochimice, in colaborare cu Ecole Centrale Paris si Katholieke Universiteit Leuven.

- 2006: Lidia Benea, Viorel Iordache, Francois Wenger, Pierre Ponthiaux:
“Comportarea straturilor compozite microstructurate ZrO₂-Ni în condiții de tribocoroziiune”.
91 Conferinta THE CORROSION AND ANTICORROSIVE PROTECTION CONFERENCE, organizata de Universitatea Tehnica Cluj Napoca, 27-28 octombrie 2006.

- 2006: Alina Ciuborariu, Lidia Benea, Magda Lakatos Varsanyi:
“Îmbunătățirea rezistenței la coroziiune prin modificări nano și microstructurale induse de codepunerea particulelor ceramice cu Nichel” .
90 Conferinta orala la Conferinta Internationala Coroziiune și Protecție Anticorozivă (CPA), organizata la Cluj, in perioada 27-28 octombrie 2006.
Conferinta THE CORROSION AND ANTICORROSIVE PROTECTION CONFERENCE, organizata de Universitatea tehnica Cluj Napoca, 27-28 octombrie 2006.

- 2006: Lidia Benea, P. Ponthiaux, F. Wenger, J. P. Celis.
“Electrochemical and surface analysis techniques to study metal/solution interface in tribocorrosion processes”.
89 **KeyNote Lecture** la Conferinta internationala ROMPHYSICHEM-12, 6-8 septembrie 2006, Bucuresti.

- 2006: A.C. Ciubotariu, Lidia Benea, M. Lakatos–Varsanyi.
Corrosion studies of nano– and micro- structured SiC–Ni composite coatings obtained by electrodeposition.
88 Poster la **International Conference on Physical Chemistry ROMPHYSICHEM-12** din perioada September 6 - 8, 2006, Bucharest – ROMANIA.

- 2006: Lidia Benea, François Wenger, Viorel Iordache, Pierre Ponthiaux.
Tribocorrosion Behaviour of Nanostructured SiC-Ni Composite Coatings Obtained by Electrodeposition.
87 Conferinta in **In cadrul Workshopului European “Nano-Chemistry Workshop – Chemical Functionality Specific to the Nanometer Scale”** organizat de catre Institut d'Investigacions Químiques i Ambientals de Barcelona (IIQAB) și Consejo Superior de Investigaciones Científicas (CSIC), la Barcelona – Sitges, Spania in perioada 11 – 14 mai 2006.

- 2006: Geta Cârâc, Ana Maria Pais, Lidia Benea, Adriana Ispas and Andreas Bund.
Electrolytes Conductivity with Nano-CeO₂ and Nano-Nd₂O₃ and Corrosion Behaviour of Nickel Dispersed Composite Coatings Obtained.
86 Conferinta in **In cadrul Workshopului European “Nano-Chemistry Workshop – Chemical Functionality Specific to the Nanometer Scale”** organizat de catre Institut d'Investigacions Químiques i Ambientals de Barcelona (IIQAB) și Consejo Superior de Investigaciones Científicas (CSIC), la Barcelona – Sitges, Spania in perioada 11 – 14 mai 2006.

- 2006: Alina-Crina Ciubotariu, Lidia Benea, Magda Lakatos-Varsany.
Nano- and Micro-Structured SiC-Ni Composite Coatings: Electrochemical Corrosion and Structural Studies.
85 Conferinta in **In cadrul Workshopului European “Nano-Chemistry Workshop – Chemical Functionality Specific to the Nanometer Scale”** organizat de catre Institut d'Investigacions Químiques i Ambientals de Barcelona (IIQAB) și Consejo Superior de Investigaciones Científicas (CSIC), la Barcelona – Sitges, Spania in perioada 11 –

14 mai 2006.

- 2006: Felicia Bratu, A. Berradja, Lidia Benea, G. Willems, Jean-Pierre Celis.
Nanohardness and Tribocorrosion Behaviour of Stainless Steel Materials Sliding in Ringer's Solution.
84 Conferința în cadrul Workshopului European "Nano-Chemistry Workshop – Chemical Functionality Specific to the Nanometer Scale" organizat de către Institut d'Investigacions Químiques i Ambientals de Barcelona (IIQAB) și Consejo Superior de Investigaciones Científicas (CSIC), la Barcelona – Sitges, Spania în perioada 11 – 14 mai 2006.

- 2006: Lidia Benea, François Wenger, Pierre Ponthiaux.
"Repassivation kinetics of cobalt chromium alloy in boric acid solution".
83 Prezentare orală la Conferința Internațională: EMCR 2006- Electrochemical Methods in Corrosion Research din perioada 18 iunie - 23 iunie 2006 în Dourdan, Franța.
www.ise-online.org/sponsmeet/past_sponsored_events

- 2006: Lidia Benea:
"Improved hardness and tribocorrosion properties of nickel coatings by co-depositing ZrO₂ particles during electroplating process".
82 Oral presentation la ARTCAST 2006. Lucrările simpozionului internațional: Turnatoria de la rigorea tehnicii la arta. Galați 4-5 mai 2006.

- 2006: Lidia Benea, François Wenger, Pierre Ponthiaux.
"Repassivation Kinetics of Cobalt Chromium Alloy in Aqueous Solution.
81 Poster la Congresul Internațional al Societății Internaționale de Electrochimie, 57th Annual Meeting of the International Society of Electrochemistry, organizat la Heriot-Watt University în Edinburgh, UK, în perioada 27 august – 1 septembrie 2006. S9 –P-9.

- 2006: Lidia Benea, Geta Carac, Alina Ciubotariu, Magda Lakatos-Varsanyi "
Nano- and Micro - Structured Composite Coatings SiC-Nickel: Electrochemical and Structural Studies".
80 Congresul Internațional al Societății Internaționale de Electrochimie, 57th Annual Meeting of the International Society of Electrochemistry, organizat la Heriot-Watt University în Edinburgh, UK, în perioada 27 august – 1 septembrie 2006. S4-P-11.

- 2005: Lidia Benea.
Electrochemical Aspects and Bio - Tribocorrosion Properties of Actually Used Nickel Based Alloys and Alternative Materials and Coatings in artificial joints.
79 Conference presented on ongoing project in the frame of European Action COST Materials Action 533 - Materials for Improved Wear Corrosion Resistance of Total Artificial Joints, Meeting date 17-18 martie 2005 în Torino, Italy.

- 2005: Lidia Benea, Geta CARAC
Electrochemical and Structural Aspects of Dispersed Micro- and Nano- Sized SiC Particles Codeposition with Nickel.
78 Conferință în cadrul Workshopului Nano-Chemistry Workshop – Chemical Functionality Specific to the Nanometer Scale organizat de către Koç University, Turkey, la Istanbul în perioada 1 –5 septembrie 2005.

- 2005: Alina-Crina Ciubotariu, Lidia Benea, Magda Lakatos Varsanyi.
77 Improved corrosion resistance through micro and nano-structural modifications induced by codepositing ceramic particles with nickel.

Conferință în cadrul Workshopului **Nano-Chemistry Workshop – Chemical Functionality Specific to the Nanometer Scale** organizat de către Koç University, Turkey, la Istanbul în perioada 1 –5 septembrie 2005.

- 2005: L. Benea, V. Iordache, F. Wenger, P. Ponthiaux;
Tribocorrosion study of nanostructured SiC-Ni composite coatings;
76 Conferința la International Conference “Integrated Engineering Surface Technology for Engine Applications” organized jointly by US NIST (USA -National Science Foundation) and COST-ESF (European Science Foundation), în perioada 12-15 October 2005, la Porto – Portugalia,

- 2005: Lidia Benea
“Nano and micro structured metal – matrix composite coatings by electrolytic co-deposition”.
75 Conference presented at International Workshop “Surface degradation of materials and coatings by combined corrosion and wear” organized by KATHOLIEKE UNIVERSITEIT LEUVEN (KU.Leuven), Department of Metallurgy and Materials Engineering (MTM), Belgia, 29 March 2005.

- 2005: Geta CÂRÂC, Lidia BENEÀ, Catalina ITICESCU, Pier Luigi BONORA, Erika KALMAN.
Electrochemical study of Al₂O₃ nanoparticles codeposition in the nickel matrix.
74 Conference presented în cadrul Workshopului COST D19-Xchemistry: **Nano-Chemistry Workshop – Chemical Functionality Specific to the Nanometer Scale** organizat de către Koç University, Turkey, la Istanbul în perioada 1 –5 septembrie 2005

- 2005: Lidia Benea, Lidia Benea, Viorel Iordache, François Wenger, Pierre Ponthiaux
73 **“Nanostructured SiC-Ni composite coatings obtained by electrodeposition – A Tribocorrosion study”**, Conferința Științifică UgalMat 2005 – Tehnologii și Materiale Avansate, din perioada 20-22 octombrie 2005

- 2005: Lidia Benea : „Metode electrochimice in-situ pentru studiul interfetei metal/soluție în procesele de tribocoroziiune”, „Lucrările celui de al VIII-lea simpozion de Chimia coloizilor și suprafețelor (VIII SCCS 2005). 2-4 iunie 2005, Galați.

- 2005: L. Benea, P.L. Bonora, F. Wenger;
Nanostructured composite coating Ni-SiC Obtained by electrodeposition;
71 Poster la The Fifth International Congress in Materials Science and Engineering, "Gh. Asachi" Technical University from Iasi, May 26-28th, 2005.

- 2004: Lidia Benea
"Tribocorrosion Aspects of Ni-ZrO₂ Composite Coating".
70 Conferință la International Workshop of the European Virtual Tribology Institute, Session 1: Tribochemistry, GHENT, BELGIUM, Het Pand, 18-20 October, 2004.

- 2004: Lidia Benea
“Nanostructured composite coatings obtained by electrodeposition.
69 Conferință la **NanoChemistry Workshop 2004**, Darmstadt, Germania, 18/06/04-20/06/04, organizat în cadrul proiectului european COST D19 – Chemical Functionality to the Nanometer Scale.

- 2004: Lidia Benea
"Nano-structured composite coatings obtained by electrodeposition to be used in tribocorrosion systems: processing and properties investigation".
68 Conference on project M1 status and work, Working Groups Meeting, COST Action 532 "Triboscience and Tribotechnology: Superior friction and wear control in engines and transmissions ", 19-20 February, 2004, Bruxelles.
- 2003: Lidia BENEÀ, Pier Luigi BONORA, François WENGER , Pierre PONTTHIAUX
"Tribocorrosion Aspects of Modified Surfaces by Nano- and Micro- Structured Composite Coatings Materials".
67 Oral presentation: EUROCORR 2003, European Federation of Corrosion Congress, September 28 - October 2, 2003, Budapest, Hungary.
- 2003: Lidia Benea: "Electrochemical CORROSION studies of X60 carbon steel using electrochemical impedance spectroscopy and potentiodynamic methods";
66 "Conferinta Nationala de Tehnologii si Materiale Avansate" cu participare internationala, organizata de Universitatea "Dunarea de Jos" din Galati, Facultatea de Metalurgie si Stiinta Materialelelor, Centrul de Cercetare pentru Calitatea Materialelelor si a Mediului, 20-22 Noiembrie 2003.
- 2003: Lidia Benea: "Few aspects of marine bio corrosion of Nano structured SiC - nickel composite coatings";
65 "Conferinta Nationala de Tehnologii si Materiale Avansate" cu participare internationala, organizata de Universitatea "Dunarea de Jos" din Galati, Facultatea de Metalurgie si Stiinta Materialelelor, Centrul de Cercetare pentru Calitatea Materialelelor si a Mediului, 20-22 Noiembrie 2003.
- 2003: Lidia Benea : „The Electrolytic Co-deposition of Zirconium Oxide Particles with Nickel”;
64 Conferinta Nationala de Tehnologii si Materiale Avansate" cu participare internationala, organizata de Universitatea "Dunarea de Jos" din Galati, Facultatea de Metalurgie si Stiinta Materialelelor, Centrul de Cercetare pentru Calitatea Materialelelor si a Mediului, 20-22 Noiembrie 2003.
- 2002, LIDIA BENEÀ;
Composite coatings materials and tribocorrosion.
63 Conference presented at Working Party of Research Bilateral Project between "Dunarea de Jos" University of Galati - Romania and Chemnitz University of Technology -Germany: COBIL-RO 014/2002-2004, GALATI, august 2002.
- 2002: Lidia Benea, Pier Luigi Bonora, François WENGER, Pierre PONTTHIAUX, Jacques GALLAND
"Processing and Properties of Electrodeposited Composite Coatings: Results and Perspectives".
62 KEY NOTE LECTURE: 15TH International Corrosion Congress -Frontiers in Corrosion Science and Technology, Granada, Spain, September 22-27, 2002.
- 2002: LIDIA BENEÀ, P. PONTTHIAUX, F. WENGER, J. GALLAND, D. HERTZ, J. Y. MALO.
"Tribocorrosion of stellite 6 in sulfuric acid medium :electrochemical behaviour and wear"
61 Oral communication: 15TH International Corrosion Congress -Frontiers in Corrosion Science and Technology, Granada, Spain, September,22-27, 2002.
- 2002: Lidia BENEÀ, Geta CARAC, Pier Luigi BONORA, Francois WENGER, Pierre PONTTHIAUX and Jacques GALLAND.
60 Nanostructured composite coatings and marine biocorrosion.
Invited Conference presented at 1st International Conference: "Study and Control of Corrosion in the Perspective

of Sustainable Development of Urban Distribution Grids"; Constantza -Romania, Jun 6--8, 2002.

2002: Lidia Benea:

"Biological marine corrosion of SiC-Ni nano-structured coatings".

- 59 Conferință prezentată (30minute) la reuniunea de lucru COST 520 BIOFOULING AND MATERIALS, Workshops, Madrid, Spania, 12-15 Noiembrie, 2000 (s-a introdus proiectul Romania-Italia –Franta in actiunea europeană COST 520)

2001: Lidia BENEÀ, Pier Luigi BONORA, Alberto BORELLO, Stefano MARTELLI, François WENGER , Pierre PONTCHIAUX, Jacques GALLAND.

"Wear corrosion study of nanostructured composite coatings obtained by electroplating"

- 58 Conferință prezentată (20minute) la Congresul internațional "The 2001 JOINT INTERNATIONAL MEETING, The Electrochemical Society and The International Society of Electrochemistry", Symposium D1, Corrosion, September 2-7, 2001, San Francisco, USA.

2001: Lidia BENEÀ, Pier Luigi BONORA, Alberto BORELLO, Stefano MARTELLI, François WENGER , Pierre PONTCHIAUX, Jacques GALLAND.

"Nanocomposite electroplating. Electrochemical aspects, structure and properties".

- 57 Lecture, Conferință prezentată (20minute) la Congresul internațional "The 2001 JOINT INTERNATIONAL MEETING, The Electrochemical Society and The International Society of Electrochemistry", Symposium E1 Electrochemical Deposition and Dissolution, September 2-7, 2001, San Francisco, USA.

2000: Lidia Benea, P. L. BONORA, A. BORELLO, S. MARTELLI, G. MAURIN.

"Composite electrodeposition to obtain nano-structured coatings".

- 56 Invited Lecture presented (30minute) la Congresul internațional International Symposium on "Soft Solution-Processing" (SSP-2000), Tokyo, Japan, 9-13 December 2000.

2000: Lidia Benea, Pier Luigi Bonora, Alberto Borello, Stefano Martelli, Georges Maurin.

"Electrodeposition of SiC nano-crystals with nickel"

- 55 Invited Lecture presented (30minute) la Congresul internațional 197th Meeting of The Electrochemical Society Inc., Symposium "TRIBOLOGY OF ELECTRODEPOSITED AND COMPOSITE LAYERS", Toronto, Canada, May 14-19, 2000.

2000: Lidia Benea:

"Some aspects in obtaining and properties of zirconia/metal composite coatings"

- 54 Conferință prezentată (20minute) la Congresul internațional 197th Meeting of The Electrochemical Society Inc., Symposium "TRIBOLOGY OF ELECTRODEPOSITED AND COMPOSITE LAYERS", Toronto, Canada, May 14-19, 2000.

1999: Lidia Benea, Georges MAURIN and Otmar DOSSENBACH.

"Nickel Zirconia Composite Coatings as Electrode Material for Water Electrolysis"

- 53 Conferință prezentată (20minute) la Congresul internațional 50th International Society of Electrochemistry (ISE) Meeting, Section 8, 5-10 September 1999, Pavia Italy.

1999: Lidia Benea, O. Dossenbach, F. Wenger, P. Ponthiaux and J. Galland:

"Composite Coatings with Zirconium Oxide as Dispersed Phase and their Anticorrosion Properties".

- 52 Conferință prezentată (20minute) la Congresul internațional 50th International Society of Electrochemistry (ISE) Meeting, Section 7, 5-10 September 1999, Pavia, Italy.

1999: Lidia Benea, Olga Mitoseriu, J. Galland, F. Wenger, P. Ponthiaux.

"Corrosion study of copper composite coating by the impedance spectroscopy method".

- 51 Conferință prezentată (30 minute) la Congresul internațional (Invited lecture)

EUROCORR'99 Section Coatings, 30 august- 2 September 1999, Aachen, Germany.

- 50 1998: Lidia Benea: "Surface treatments by electrochemical methods to improve anticorrosion and wear properties of materials"
Seminar (1 oră) susținut la Trento University, Department of Materials Engineering, Italy, October 30 –November 8, 1998.
- 49 1998: Lidia Benea: "Corrosion study of concrete reinforcing steel by electrochemical methods"
Conferință prezentată (20minute) la Congresul internațional: International Society of Electrochemistry, 49th ISE Annual Meeting, Kitakyushu, Japan, September 13-19, 1998.
- 48 1998: Lidia Benea: "Comparative Study of Composite and Pure Nickel Coatings Obtained by Electrodeposition".
Conferință prezentată (20minute) la Congresul internațional: International Society of Electrochemistry, 49th ISE Annual Meeting, Kitakyushu, Japan, September 13-19, 1998.
- 47 1998: Lidia Benea: "Comparative Study of Composite and pure Nickel Coatings Obtained by Electrodeposition".
Conferință plenară (1 oră) invitată la Institutul de Cercetări Kyushu Institute of Technology, Kytakyushu, Japon, September 19, 1998.
- 46 1998: Lidia Benea: "Corrosion study of Concrete Reinforcing Steel by Electrochemical Methods".
Conferință prezentată (20 minute) la Congresul internațional EUROMAT'98, Portugal, Lisabona, 22-25 of July 1998.
- 45 1998: Lidia Benea: "Electrodeposition of dispersed particles in a zinc matrix".
Poster prezentat la Congresul internațional: International Society of Electrochemistry, 49th Annual Meeting, Kitakyushu, Japan, September 13-19, 1998.
- 44 1998: Lidia Benea: "Electrochemical Aspects of Zirconia Particles Codeposition in a Nickel Matrix".
Poster prezentat la Congresul internațional: International Society of Electrochemistry, 49th Annual Meeting, Kitakyushu, Japan, September 13-19, 1998.
- 43 1997: Lidia Benea: "Comparative Corrosion Study of Metal Coatings and Metal Matrix Composite Coatings".
Conferință prezentată (20 minute) la Congresul internațional: The 1997 Joint International Meeting The Electrochemical Society and The International Society of Electrochemistry), 31 august -5 September, Paris, 1997, Session Passivity and its Breakdown.
- 42 1997: Lidia Benea: "Composite Coatings obtained by Electrodeposition of Insoluble particles with Metals".
Poster prezentat la Congresul internațional: The 1997 Joint International Meeting (The Electrochemical Society and The International Society of Electrochemistry), 31 august - 5 September, Paris, 1997, Session Electrodeposition.
- 41 1997: Lidia Benea: "Couches composites obtenues par electrodeposition. Etude comparative avec les depots des metaux purs".
Poster prezentat la Congresul internațional: JOURNEES d'ELECTROCHIMIE 1997, 2-5 Juillet, Montreal, Canada.
- 40 1997: Lidia Benea: "Comparative Corrosion Study of Copper Zirconia and pure Copper.

Coatings Obtained by Electroplating"

Poster prezentat la Congresul internațional: **3. Electrochemisches** Grundlagen Symposium in Verbindung mit dem 2. Kurt - Schwabe Symposium, 17 - 19 of April 1997, Dresden, Germany.

- 1997: **Lidia Benea**: "Ceramic particles co-deposition in the nickel matrix "
- 39 **Conferință prezentată (30 minute)** la International Conference "NOVATIVE TECHNOLOGIES", 1997, BUCHAREST.
- 1997: **Lidia Benea**: "Composite Electrodeposition – Achievements and Perspectives".
- 38 **Conferință plenară (1 oră)** prezentată la International Conference "Ecology – Electroplating – Corrosion", September 1997, Piatra Neamt, Romania.
- 1996: **Lidia Benea**: "Electrochemical Deposits of Metals with Disperse Particles"
- 37 **Poster** prezentat la Congresul internațional: 47th ANNUAL MEETING OF THE INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY, September 1-6, 1996, Veszprem - Balatonfured, Hungary, P 5e-3
- 1996: **Lidia Benea**: "Corrosion of Electrodeposited Composite Layers" P 6c-2.
- 36 **Poster** prezentat la Congresul internațional: 47th ANNUAL MEETING OF THE INTERNATIONAL SOCIETY OF ELECTROCHEMISTRY, September 1-6, 1996, Veszprem - Balatonfured, Hungary, P 6c-2.
- 1996: **Lidia Benea**: "Electrodeposition of Dispersed Particles with Metals".
- 35 **Conferință prezentată (40 minute)** (Key Note lecture) la International Session "Electrochemistry a Frontier Field of Theoretical and Practical Interest", 31 October - 3 November, Cluj - Napoca, Romania.
- 1996: **Lidia Benea**: "Electrodeposition of Dispersed Particles with Metals"
- 34 **Conferință prezentată (20 minute)** la 7th Chemistry-Physics Conference Bucharest, Romania, September 25-27, 1996.
- 1996: **Lidia Benea**: "Studies on Zn-Fe Alloy Electrodeposition on Steel Suport"
- 33 **Conferință (20 minute)** prezentată la 3rd National Conference of Metallurgy, September 25-27, 1996 Bucharest, Romania.
- 1996: **Lidia Benea**: "Obtaining of Composite Layers by Disperse Particle Metals Electrodeposition"
- 32 **Conferință plenară (1 oră) prezentată** (Plenary Lecture) la 3rd National Conference of Metallurgy, September 25-27, 1996 Bucharest, Romania.
- 1993: **Lidia Benea**: "Compozite cu grafit în straturi multiple prin electrodepunere în matrice de nichel"
- 31 La Sesiunea Stiintifica organizata de Universitatea Galati cu ocazia a 45 de ani de Invatamânt superior în Galati în perioada 28-30 octombrie 1993
- 1993: **Lidia Benea**: "Cresterea rezistentei la coroziune a straturilor metalice prin codepunere de particule disperse din oxizi si amestecuri de oxizi"
- 30 La Sesiunea Stiintifica organizata de Universitatea Galati cu ocazia a 45 de ani de Invatamânt superior în Galati în perioada 28-30 octombrie 1993.
- 1992: **Lidia Benea**: "Studiul echilibrului chimic în extractia cobaltului cu tio-bis-b-naftol"
- 29 La Conferinta Nationala de Chimie Analitica organizata la Cluj în perioada 24-25 septembrie 1992
- 1992: **Lidia Benea**: "Electrodepunerea peliculelor subtiri în sisteme metalice"
- 28 La a VI-a Conferinta de Chimie -Fizica din septembrie 1992 organizata la Bucuresti.

- 27 **1992: Lidia Benea: "Cercetari privind rezistenta la coroziune a peliculelor protectoare în sisteme metalice"**
La Conferinta Nationala: "Prevenirea si protectia anticoroziva a constructiilor metalice"
organizat la Suceava în perioada 10-12 iunie 1992.
- 26 **1989: Lidia Benea: "Aprecierea calitatii protectiilor anticorozive prin teste de coroziune accelerata"**
La Simpozionul National "Prevenirea si protectia anticoroziva a constructiilor metalice"
organizat la Iasi în perioada 9-10 iunie 1989.
- 25 **1989: Lidia Benea: "Benzi din otel nichelate electrochimic "**
Prezentată în cadrul "Saptamânii Stiintei si Tehnicii pentru Tineret" organizata în Galati
în luna noiembrie- 1989, cu care am **luat premiul I**.
- 24 **1989: Lidia Benea: "Benzi din otel cuprate electrochimic"**
Prezentată în cadrul "Saptamânii Stiintei si Tehnicii pentru Tineret" organizata în Galati
în luna noiembrie- 1989, cu care am **luat premiul I**.
- 23 **1989: Lidia Benea: "Acoperiri electrolitice cu metale si aliaje neferoase".**
La Salonul de Inventica organizat de ICEM -Bucuresti în luna august 1989 am **luat premiul III** cu inventiile
prezentate în domeniul : "Acoperiri electrolitice cu metale si aliaje neferoase".
- 22 **1989: Lidia Benea: " Procedeu de stanare a tevilor din alama "**
La Salonul de Inventica organizat în anul 1989 la Galați, am luat **premiul I** cu inventia:
" Procedeu de stanare a tevilor din alama "
- 21 **1988: Lidia Benea: "Utilizarea straturilor de aliaje depuse electrochimic în protectii anticorozive"** Prezentată la al II- lea Congres de Chimie organizat în perioada 21-24 septembrie 1988 la Bucuresti la sectia Electrochimie.
- 20 **1988: Lidia Benea: "Utilizarea straturilor de aliaje depuse electrochimic în protectii anticorozive"** Prezentată la al II- lea Congres de Chimie organizat în perioada 21-24 septembrie 1988 la Bucuresti la sectia Electrochimie.
- 19 **1988: Lidia Benea: "Cercetari privind electrodepunerea straturilor subtiri de crom pe benzi din otel laminat la rece"**
Prezentată la al II- lea Congres de Chimie organizat în perioada 21-24 septembrie 1988 la Bucuresti la sectia Electrochimie.
- 18 **1987: Lidia Benea: "Instalatii de depunere a metalelor, aliajelor si tratament al stratului depus prin procedee chimice si electrochimice"**
La Salonul de Inventica organizat la nivel judetean în anul 1987, am luat **locul al II-lea** cu această inovatie.
- 17 **1987: Lidia Benea: "Tehnologie de depunere a aliajelor plumb -staniu pe benzi din cupru 0,3 x 60 pentru fabricatia racitoarelor."**
In cadrul "Saptamânii Stiintei si Tehnicii pentru tineret" organizata în luna noiembrie 1987 la Galati, lucrare cu care am primit **premiul al II- lea** în cadrul concursului.
- 16 **1987: Lidia Benea: "Cercetari privind stabilirea tehnologiei de stanare chimica a tevilor din alama"**
In cadrul "Saptamânii Stiintei si Tehnicii pentru tineret" organizata în luna noiembrie 1987 la Galati.

- 15 **1987: Lidia Benea: "Tehnologii de fabricatie a racitoarelor de aer"**
În cadrul Consfaturii pe teme mecano- energetice si automatizari, organizate la Galati în perioada 8-9 octombrie 1987.
- 14 **1987: Lidia Benea: "Cercetari privind stabilirea tehnologiei de zincare electrochimica a benzilor înguste subtiri pentru protectia antiimplozie a tuburilor cinescop"**
În cadrul celei de-a IX-a Sesiuni Tehnico-Stiinifice organizata de CCSITROA Brasov în luna iunie 1987.
- 13 **1987: Lidia Benea: "Cercetari privind electrodepunerea aliajelor pe benzi din otel laminat la rece "**
În cadrul celei de-a IX-a Sesiuni Tehnico-Stiinifice organizata de CCSITROA Brasov în luna iunie 1987
- 12 **1986: Lidia Benea: "Reactivi selectivi pentru determinarea mercurului din apele poluate".**
La a III-a editie a Congresului "Zilele Balcanice ale Chimiei" am prezentat lucrarea.
- 11 **1986: Lidia Benea: "Tehnologie de depunere electrochimica a zincului pe benzi înguste, subtiri din otel laminat la rece pentru protectia antiimplozie a tuburilor cinescop"**
În anul 1986 la Saptamâna Stiintei si Tehnicii pentru tineret am luat **premiul al II-lea** cu această lucrare.
- 10 **1985: Lidia Benea: "Cercetari privind stabilirea tehnologiei de stanare electrochimica a benzilor laminate la rece"**
In cadrul Saptamânii Stiintei si Tehnicii pentru tineret din anul 1985 am **luat premiul I.**
- 9 **1985: Lidia Benea: "Utilizarea otelurilor inoxidabile feritice la realizarea unor instalatii din industria alimentara"**
În cadrul Sesiunii Tehnico-Stiinifice prilejuite de aniversarea a 25 ani de activitate a Institutului ICPPAM Galati desfasurata în perioada 27-28 septembrie 1985.
- 8 **1985: Lidia Benea: "Realizari privind reducerea consumului de zinc în procesul de zincare termica"**
În cadrul Consfaturii Judetene cu tema: "Introducerea tehnologiilor avansate" din 26 iunie 1985
- 7 **1984: Lidia Benea: "Cercetari privind stabilirea tehnologiei de fabricatie a benzilor zincate electrochimic destinate industriei de autoturisme"**
Lucrarea a fost prezentata si **premiata** în cadrul "Saptamânii Stiintei si Tehnicii pentru Tineret" din perioada 12-18 noiembrie 1984.
- 6 **1984: Lidia Benea: "Cercetari privind reducerea consumului de zinc si recuperarea acestuia din deseurile rezultate în procesul de zincare"**
Prezentată la Sesiunea Stiintifica organizata de Universitatea Galati în perioada 7-8 noiembrie 1984.
- 5 **1984: Lidia Benea: "Cercetari privind înobilarea suprafetelor zincate prin tratamente chimice si electrochimice".**
Prezentată la Sesiunea Stiintifica organizata de Universitatea Galati în perioada 7-8 /11 1984.
- 4 **1983: Lidia Benea: "Tehnologii moderne de protectie a produselor din otel cu aliaje ale zincului cu aluminiu".**
Prezentată la a III-a Sesiune Stiintifica cu tema: "Noutati în fabricarea produselor plate din otel si în protectia suprafetelor acestora contra coroziunii" organizata la Galati la 14 octombrie 1983.
- 3 **1983: Lidia Benea: "Posibilitati de fabricare a tablelor plumbuite pe suport de zinc cu eliminarea staniului din aliajul plumb-staniu"**
Prezentată la a III-a Sesiune Stiintifica cu tema: "Noutati în fabricarea produselor plate din otel

si în protecția suprafețelor acestora contra coroziunii” organizată la Galați la 14 octombrie 1983.

- 2 **1983: Lidia Benea: “Tehnologii moderne de zincare a tablelor în proces discontinuu”** Prezentată la a III-a Sesiune Științifică cu tema: “Noutăți în fabricarea produselor plate din oțel și în protecția suprafețelor acestora contra coroziunii” organizată la Galați, 14 octombrie 1983.

- 1 **1983: Lidia Benea: “Contribuții privind înlocuirea zincului cu aliaje zinc-aluminiu la acoperirea metalică de protecție a benzilor și sârmelor din oțel prin imersie”**
Prezentată la Sesiunea Științifică organizată de Institutul central de cercetări metalurgice, cu ocazia “Zilei Metalurgistului” din 7 septembrie 1983.