

CURRICULUM VITAE

Informații personale



Nume / Prenume **POTECAȘU Florentina**
 Adresă(e) Adresa Institutiei: 47 Domneasca, 800008 Galati, Romania
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 E-mail(uri) mihaela_potecasu@yahoo.com
 Naționalitate(-tăți) română
 Data nașterii 24.05.1956
 Sex feminin

Domenii de competență

- Caracterizarea macro si microstructurala a materialelor clasice (feroase si neferoase), materiale sinterizate, materiale compozite, acoperiri metalice.

Experiența profesională

1.10.2007 până în prezent
 22.02.99 – 1.10.2007
 01.10.1990-22.02.99
 27.09.1983 -01.10.1990
 2.09.1980 –27.09.1983

- Profesor universitar
- Conferențiar universitar
- Șef de lucrări.
- Asistent universitar
- Inginer stagiar

Educație și formare

1998
 1975-1980
 19 71-1975

- Diploma doctor inginer /Teza de doctorat:** Studii si cercetari privind obtinerea de piese si semifabricate din pulberi oxidate controlat - Universitatea „Dunărea de Jos” din Galati.
- Diploma inginer-** Facultatea de Metalurgie – Institutul Politehnic Bucuresti
- Diploma de bacalaureat** - Liceul teoretic din Gaesti

Competențe și aptitudini organizatorice

Management academic, didactic si de cercetare:

- Membru al **Consiliului profesoral** al facultatii de Metalurgie si stiinta materialelor (2000-prezent).
- Director program de licență **Ingineria procesarii materialelor.**
- Șef catedra **Deformari plastice si tratamente termice**(2007-2011)
- Director departament **Știința și Ingineria Materialelor(2011- prezent)**
- Responsabil program **SOCRATES / ERASMUS** cu: Univ. NOVA Lisabona -PORTUGALIA,
- Membru al **Centrului Nanomateriale și Materiale Functionale (CNMF).**
- Membru/responsabil colective contracte de cercetare,
- Comisii de concurs pentru promovare pe post a cadrelor didactice,
- Comisii examen diploma si licență,
- Comisii examene, referatestagiu de pregătire doctorala,
- Responsabil dosare de acreditare program de studii si acreditare institutionala **IPM.**
- Membru in colegiul de redactie al revistei „**METALURGIA INTERNATIONAL**” (2008, 2009, 2010, 2011,2012);
- Membru in colegiul de redactie al revistei „**METALURGIA**” (2008, 2009, 2010, 2011, 2012);
- Membru in colegiul de redactie al revistei „**The Annals Of ‘Dunărea De Jos’ University Of Galați**” (2008, 2009, 2010, 2011, 2012);

Competențe și aptitudini de utilizare a calculatorului

Abilitati in utilizarea calculatorului: Microsoft Office (Microsoft Word, Microsoft Exel, Microsoft Power Point), Web browsers.

Limbi straine cunoscute:

- Franceza, engleza

Informații suplimentare

15.03. 2014

- Membru al asociatiilor profesionale: Societatea de Chimie din Romania; ASM.
 Prof. univ. dr.ing. Florentina POTECASU

I. Published paper in international journals indexed in ISI Web of Science

1. Special Refractory Masses For Application In The Iron And Steel Making Area - Mariana IVAN Marcela MUNTEAN **Florentina POTECAȘU** - Romanian Journal of Materials, 2012, 42 (1), 61-68; http://solacolu.chim.upb.ro/pag61_68_2012web.pdf
http://uefiscdi.gov.ro/userfiles/file/CENAPOSS/rev_rom_isi_2012.pdf
2. Microalloying of the zinc for obtaining masteralloys or correction of the chemical composition for the zn baths in the galvanizing process - A. Alexa, A. Ciocan, T. Radu, **F. POTECASU** - **Materials Science Forum** Vols. 730-732 (2013) pp 823-828, Trans Tech Publications, Switzerland, Advanced Materials Forum VI, ISSN 0255 – 5476, **doi:10.4028/www.scientific.net/MSF.730-732.823**
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=1&doc=3
3. Influence of additional alloying elements on corrosion resistance of hot dip galvanised steels - A. Alexa, T. Radu, **F. POTECASU**, A. Ciocan - **Materials Science Forum** Vols. 730-732 (2013) pp 823-828, Trans Tech Publications, Switzerland, Advanced Materials Forum VI, ISSN 0255 – 5476, **doi:10.4028/www.scientific.net/MSF.730-732.811**
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=1&doc=2
4. Development the Steel Industry Waste-free by Internal Recycling of the Blast Furnace Dusts - Ciocan Anisoara¹, **POTECAȘU Florentina**² and Veiga João Pedro³, **Journal of Materials Science and Engineering B 1 (2011)** 630-635, ISSN: B:2161-6221, FI-1,560
<http://davidpublishing.org/davidpublishing/journals/J3/j32011/jjs2001/534.html> (ISSN 2161-6221) (formerly parts of Journal of Materials Science and Engineering ISSN 1934-8959, USA), Volume 1, Number 6B, October 2011, pp.630-635, on-line available at www.davidpublishing.org
5. Environment Quality Improvement at Hot-dip Galvanisation and the Recycling of Zinc By-products - M. Vlad, T. Radu, O. Mitoseru, **F. POTECASU** - **Journal of Environmental Protection and Ecology** 12, No 3A, pag. 1406–1414 (2011); Impact Factor (2009) = 0.168
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=1&doc=8
6. Research on obtaining and characterization of zinc micro-alloyed with bismuth coatings - Tamara RADU, **Florentina POTECASU**, Maria VLAD - **Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2011), no. 1, ISSN 1582 – 2214, pag.44 – 48 Impact Factor (2010) = 0.154 http://www.metalurgia.ro/ISI_FI_2010.pdf; http://www.metalurgia.ro/Metalurgia_International_1_2011.pdf
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=1&doc=7
7. **Study of corrosion behavior for steam treated sintered iron powder** - Marin, M; Drugescu, E; Potecasu, O, **POTECAȘU F**, Rui Silva CORDEIRO - **Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2010), Volume: 15 Issue: 12 Pages: 95-100 Impact Factor (2010) = 0.154 http://www.metalurgia.ro/ISI_FI_2010.pdf
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=16
8. Characterization of the Diffusion Zone Developed in a Bimetallic Steel-Bronze at Interface - **A. Ciocan**, **Florentina Potecasu**, **F. Potecasu**, **E. Drugescu**, **S.Constantinescu** - **Materials Science Forum; Advanced Materials Forum** ISSN 0255 – 5476, TRANS TECH PUBLICATIONS LTD Switzerland, UK, USA III, **2010**, p 556 - 563, 10.4028/www.scientific.net/MSF.636-637.556. DOI, **10.4028/www.scientific.net/MSF.636-637.556**.
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=12
9. The accelerated corrosion behaviour of the sheets cold rolled of steel with low carbon naturally aged - **Florentina POTECAȘU**, Octavian POTECAȘU - **Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2010), no. 10, ISSN 1582 – 2214, pag.80 – 85;
http://www.metalurgia.ro/Metalurgia_International_10_2010.pdf
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=14
10. Characteristics of the blast furnace dust in accordance with the conditions imposed by the valorization solution - Anisoara CIOCAN, **Florentina POTECASU**, João Pedro VEIGA - **Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2010), no. 10, ISSN 1582 – 2214, pag.85 – 91; http://www.metalurgia.ro/Metalurgia_International_10_2010.pdf
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=15
11. The evolution in time of the drawing sheets' quality - **Florentina POTECAȘU**, Octavian POTECAȘU - **Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2010), no. 3, ISSN 1582 – 2214, pag.31 – 35.
http://www.metalurgia.ro/Metalurgia_International_3_2010.pdf
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=11
12. Macro and microstructural changes in naval steel under fatigue corrosion - Svetlana BĂICEAN, Liviu PALAGHIAN, **Florentina POTECAȘU**, Anisoara CIOCAN, Constantin GHEORGHIȘ - **Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2009), special issue no.10, ISSN 1582 – 2214, pag. 34 - 42
http://www.metalurgia.ro/Metalurgia_International_special10_2009.pdf;
13. Sea water corrosion associated with weld for critical interface of the aluminium bronze clad steel castings - **Florentina POTECASU**, Anisoara CIOCAN, Tamara RADU - **Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2009), special issue no.11, ISSN 1582 – 2214, pag. 61 - 65 http://www.metalurgia.ro/Metalurgia_International_special11_2009.pdf
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=3&doc=21
14. Material hardened with fine films of dispersed oxide through plastic deformation - Octavian POTECAȘU, **Florentina POTECAȘU**, Elena DRUGESCU, Petrica ALEXANDRU **Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2009), special issue no.11, ISSN 1582 – 2214, pag. 56 - 61 http://www.metalurgia.ro/Metalurgia_International_special11_2009.pdf

- http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=20
15. High hardness antifriction aluminium bronzes for wear layer of the steel bearings for drilling equipments - Anisoara CIOCAN, **Florentina POTECASU - Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2009), special issue no.11, ISSN 1582 – 2214, pag. 34 - 38 http://www.metalurgia.ro/Metalurgia_International_special11_2009.pdf; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=19
 16. Macro and microstructural changes in naval steel under fatigue corrosion – Baicean, Svetlana, Palaghian, Liviu, **Potecasu, Florentina**, Ciocan, Anisoara, Gheorghies, Constantin, **Metalurgia International**, Volume: 15, Issue: 10, Pages: 30-37, Published: 2009
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=OneClickSearch&qid=16&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=12
 17. The possibility of improving the mechanical and electrical characteristics of aluminum conductors through the realization of a composite material with aluminum matrix - Octavian POTECAȘU, **Florentina POTECASU - Metalurgia International**, Editura Stiintifică F.M.R., vol. XIV (2009), special issue no.17, ISSN 1582 – 2214, pag. 10 – 13. http://www.metalurgia.ro/Metalurgia_International_special17_2009.pdf; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=17
 18. Proofs of metal processing during I B.C – I A.D. centuries in the Cascioarele – Greaca Prundu zone, **Florentina POTECAȘU, Ara DONGA Odoșu DINA, Metalurgia International**, nr. 2/2008, ISSN 1582 – 2214, pag. 11 - 17 Proofs of metal processing during I B.C – I A.D. centuries in the Cascioarele – Greaca Prundu zone, **Florentina POTECAȘU, Metalurgia International**, nr. 2/2008, ISSN 1582 – 2214, pag. 11 – 17; http://www.metalurgia.ro/Metalurgia_International_2_2008.pdf; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=3&doc=22
 19. Research regarding the influence of the deformation degree on the characteristics of deep drawing sheet steel, Octavian POTECAȘU, **Florentina POTECAȘU**, Tamara RADU, Petrică ALEXANDRU, **Metalurgia International**, nr. 4/2008, ISSN 1582 – 2214, pag. 16 – 23; Blast furnace iron lining runners in term of structural characterisation, Marian BORDEI, Anisoara CIOCAN, **Florentina POTECAȘU**, P.ALEXANDRU, **Metalurgia International**, ISSN 1582 – 2214, 5/2008, pag. 45 – 48; http://www.metalurgia.ro/Metalurgia_International_5_2008.pdf; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=Q2Nk53NFFRxJdarRwSk&page=3&doc=24
 20. Composite coatings obtained through electrodeposition of Cadmium and short ceramic fibers, Olga MITOSERIU, Sanda Ciresica COCINDAU, **Florentina POTECASU**, Lucica ORAC, **Metalurgia International** - ISSN 1582 – 2214, 10/2008, 35 – 41; http://www.metalurgia.ro/Metalurgia_International_10_2008.pdf; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=OneClickSearch&qid=16&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=20
 21. Composite coatings obtained through zinc electrochemical codeposits and short ceramic fibres, Olga MITOSERIU, Sanda Ciresica COCINDAU, **Florentina POTECASU**, Lucica ORAC, **Metalurgia International** - ISSN 1582 – 2214, 11/2008, 19-26; http://www.metalurgia.ro/Metalurgia_International_11_2008.pdf; http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=OneClickSearch&qid=16&SID=Q2Nk53NFFRxJdarRwSk&page=2&doc=19
 22. The structure of composite deposition with nickel matrix, **Florentina POTECAȘU**, Olga MITOSERIU, E.DRUGESCU, Maria Vlad, **Metalurgia International** - ISSN 1582 – 2214, 11/2008, 35-41
 23. Lead - Hardening by Oxide Dispersion.- **F. Potecasu**, O. Potecasu, F. M. Braz Fernandes, V. Mușat - **Materials Science Forum; Advanced Materials Forum** ISSN 0255 – 5476, TRANS TECH PUBLICATIONS LTD Switzerland, UK, USA III, 514-516, 2006, p718-722, <http://www.scientific.net> ; 10.4028/www.scientific.net/MSF.514-516.. http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=10&SID=2AFbBFMz852E11b75QB&page=3&doc=25
 24. Interface Phenomena in Electroconducting Composites with Metallic Matrix - F.Oprea, O.Potecasu, E.Drugescu, **F.Potecasu**, O.Mitoseriu - **International Journal MATERIALS AND MANUFACTURING PROCESSES (USA)**, 1999, VOL 14; PART 6, Publisher MARCEL DEKKER JOURNALS, ISSN1042-6914, pages 809-820.; factor impact **0.202** <http://www.informaworld.com/smpp/title~content=g770691391~db=all>
 25. Composite Coatings Obtained by Sedimentation Codeposition During Copper, Cobalt and Iron Electroplating - O.Mitoseriu, E.Drugescu, **F.Potecasu**, L.Benea, G.Carac - **SURFACE MODIFICATION TECHNOLOGIES XI**, Edited by T.S.Sudarshan, M.Jeandin and K.A.Khor, The Institute of Materials, London, p.417-422, (1998). <http://scholar.google.com/scholar?cluster=17332370551553397416&hl=en>

II. Published paper in international journals indexed in BDI

1. Researches Regarding the Influence of Steam Oxidation on Sintered Alloys Properties- Mihaela MARIN, **Florentina POTECAȘU**, Octavian POTECAȘU - **The Annals Of "Dunarea De Jos" University Of Galati**, Fascicle IX. Metallurgy And Materials Science, Nr. 3 – 2013, pag.39-44; ISSN 1453 – 083X. [file:///E:/Descarcari/2013-Annals-vol-3%20\(1\).pdf](file:///E:/Descarcari/2013-Annals-vol-3%20(1).pdf)
2. Corrosion Behavior of Some Materials in 0.5M Ammonium Hydroxide Solution- Gina ISTRATE, **Florentina POTECAȘU**, Vasile BAȘLIU , **The Annals Of "Dunarea De Jos" University Of Galati**. Fascicle IX. Metallurgy And Materials Science Nr. 4 – – 2013, pag.62-68; ISSN 1453 – 083X. [file:///E:/Descarcari/2013-Annals-vol-3%20\(1\).pdf](file:///E:/Descarcari/2013-Annals-vol-3%20(1).pdf)

3. Researches Regarding the Effect of Steam Oxidation on Microstructure and Wear Behavior of Sintered Alloys -Mihaela MARIN, **Florentina POTECAȘU**, Elena DRUGESCU, Octavian POTECAȘU, **The Annals Of "Dunarea De Jos" University Of Galati**. Fascicle IX. Metallurgy And Materials Science SPECIAL ISSUE – 2013, pag.38-42; ISSN 1453 – 083X. [file:///E:/Descarcari/2013-TEME%20\(2\).pdf](file:///E:/Descarcari/2013-TEME%20(2).pdf)
4. The Corrosion Behavior Of Naval Reconditioned Steel By Welding In Marine Environment - **F. POTECASU**, O. POTECASU, M. BORDEI, P. ALEXANDRU, M. MARIN_ **13th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining**, www.sgem.org, SGEM2013 Conference Proceedings, ISBN 978-954-91818-8-3 / ISSN 1314-2704, June 16-22, 2013, Vol. 2, 973 - 980 pp. **DOI:10.5593/SGEM2013/BA1.V2/S06.005**. (h-indice SCOPUS 5)
5. <http://www.sgem.org/sgemlib/spip.php?rubrique183> (The SGEM2013 Conference Proceedings is indexed into ELSEVIER, SCOPUS, CrossRef databases and EBSCO Host, ProQuest.)
6. The Corrosion Behavior Of Steel For Transportation Of Petroleum Products In Marine Environment - O. POTECASU, **F. POTECASU**, M. BORDEI, P. ALEXANDRU, FLORIN MARIN - 13th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining, www.sgem.org, SGEM2013 Conference Proceedings, ISBN 978-954-91818-8-3 / ISSN 1314-2704, June 16-22, 2013, Vol. 2, 981 - 988 pp. **DOI:10.5593/SGEM2013/BA1.V2/S06.006** (h-indice SCOPUS 5)
7. <http://www.sgem.org/sgemlib/spip.php?rubrique183> (The SGEM2013 Conference Proceedings is indexed into ELSEVIER, SCOPUS, CrossRef databases and EBSCO Host, ProQuest.)
8. The Influence of Steam Treatment on Mechanical Properties and Abrasive Wear Behavior of Sintered P/M Steels - Mihaela MARIN, **Florentina POTECAȘU**, Elena DRUGESCU, Octavian POTECAȘU, Petrică ALEXANDRU - **The Annals Of "Dunarea De Jos" University Of Galati**. Fascicle IX. Metallurgy And Materials Science NO. 2 – 2012, pag.25 -29; ISSN 1453 – 083X
9. Research Regarding the Possibility of Obtaining Nitinol by Powder Metallurgy- Octavian POTECAȘU, **Florentina POTECAȘU**, Petrică ALEXANDRU, Francisco Manuel BRAZ FERNANDES, Rui Jorge CORDEIRO SILVA, Filipe Carlos de FIGUEIREDO PEREIRA DAS NEVES - **The Annals Of "Dunarea De Jos" University Of Galati**. Fascicle IX. Metallurgy And Materials Science NO. 3 – 2012, pag.9 -14; ISSN 1453 – 083X
10. Choosing And Using Rationally The Thermic Processed Steels - Octavian Potecașu, Florentina Potecașu - The Annals Of "Dunarea De Jos" University Of Galati. Fascicle Ix. Metallurgy And Materials Science NO. 4 – 2012, Pag.51-58; **ISSN 1453 – 083X**
11. Mechanical Properties And Abrasive Wear Behavior Of Fluidized- Bed Carburized Sintered Iron Alloys - Mihaela Marin, Florentina Potecașu, Elena Drugescu, Octavian Potecașu, Petrică Alexandru, The Annals Of "Dunarea De Jos" University Of Galati. Fascicle Ix. Metallurgy And Materials Science NO. 4 – 2012, Pag.41-46; ISSN 1453 – 083X
12. Research On The Production Of Sintered Powder 316 - Simona Boiciuc, Florentina Potecasu, The Annals Of "Dunarea De Jos" University Of Galati. Fascicle Ix. Metallurgy And Materials Science Nr. 4 – 2012, pag.33-41; **ISSN 1453 – 083X**;
13. The Behavior Of Refractory In Interaction With Metallurgical Slag_ Florentina Potecasu, Marcela Muntean, Mariana Ivan, - The Annals Of "Dunarea De Jos" University Of Galati. Fascicle Ix. Metallurgy And Materials Science, Nr. 4 – 2012, pag.5-13; **ISSN 1453 – 083X**
14. Corrosion study on copper processed by rolling with different deformation degrees and recrystallized at different temperatures - **Florentina POTECASU**, Ana DONIGA - Revista **Metalurgia** nr.1, p.48, 2011
15. Morphology and properties of some anticorrosive protective coatings deposed on naval steel - Viorel PANAITE, Viorica MUSAT, **Florentina POTECASU**, Constantin GHEORGHIES - Revista **Metalurgia** nr.3, p.13, 2011
16. Influence of ecap passes on spd process parameters and material properties - Gheorghe GURAU, Carmela GURAU, Nicolae CANANAU, **Florentina POTECASU** - Revista **METALURGIA** nr.5, p.44, 2011
17. Mihaela Marin, Florentina Potecașu, Elena Drugescu, Octavian Potecașu, Petrică Alexandru - Effect of Fluidized- Bed Carburizing on Mechanical Properties and Abrasive Wear Behavior of Sintered Steel -- **The Annals Of 'Dunărea De Jos' University Of Galați**, Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, nr.3 (2011), pag.53-58
18. Mechanical properties and abrasive wear behavior of steam treated sintered iron alloys- Mihaela MARIN, Elena DRUGESCU, Florentina POTECASU, Octavian POTECASU, Petrica ALEXANDRU - Revista **Metalurgia** nr.6, p.15, 2011
19. The influence of the deformation degree on the hardening of duralumin processed through solution heat treatment - **Florentina POTECASU**, Octavian POTECASU, Petrica ALEXANDRU, Mihaela MARIN - Revista **Metalurgia** nr.7, p.53, 2011
20. Producing bimetallics by direct melting of the bronze machining chips into steel supports - Anișoara Ciocan, **Florentina Potecașu** - **The Annals Of 'Dunărea De Jos' University Of Galați**, Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, nr.1 (2011), pag.14-19
21. Research regarding the obtaining of some composite materials with metallic matrix from aluminium and FeTi (3% Ti) refractory particles - Vasile Basliu, **Potecasu Florentina** - **The Annals Of 'Dunărea De Jos' University Of Galați**, Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, nr.1 (2011), pag.57-61
22. Zinc-tin-nichel alloy coating on steel support - Tamara RĂDU, **Florentina POTECASU**, Gina Genoveva ISTRATE - **The Annals Of "Dunarea De Jos" University Of Galati**. Fascicle Ix. Metallurgy And Materials Science Special Issue (2011), ISSN 1453 – 083X, pag 270-274
23. The influence of the relative sliding on the surface quality - Diaconu Nicolae, Deleanu Lorena, **Potecasu Florentina**, Ciortan Sorin - **Tribology in Industry**, vol. 33, iss. 3, pp. 110-115, 2011 (SCOPUS) ISSN: 0354-8996 (print version), ISSN: 2217-7965 (electronic version) <http://www.tribology.fimk.rs/index.html>
24. Superior valorisation of the metallic scraps for obtaining bimetallic steel-bronze parts, Anișoara Ciocan, **Florentina Potecasu**, **TEHNOMUS Journal New Technologies and Products in Machine Manufacturing Technologies**, Year: 2011 - Volume: 1, pag.21-27, P - ISSN-1224-029X, E - ISSN-2247-6016. (BDI- COPERNICUS, SCIOPIO) http://www.fim.usv.ro/conf_1/tehnomusjournal/pagini/journal2011/files/Cuprins_final_2011.pdf

25. Obtaining, processing and characterization of an electro-conductive composite material with aluminum matrix reinforced with copper wires - Octavian POTECAȘU, Florentina POTECAȘU – *Metalurgia* nr.1, ISSN 0461-9579, (2010) , pag. 24 – 29
26. The structural characterization of the diffusion zone in the composites with aluminum matrix reinforced with copper threads - Florentina POTECAȘU, Octavian POTECAȘU, *METALURGIA* NR.6, ISSN 0461-9579, (2010) , PAG. 5 – 10
27. The structure and the critical degree of cold deformation for sheets of steel with low carbon - Florentina POTECAȘU, Octavian POTECAȘU, *METALURGIA* NR.6, ISSN 0461-9579, (2010) , pag. 10 – 16.
28. The correlation between the cold rolling degree and the mechanical and technological characteristics for sheets of steel with low carbon- Florentina POTECAȘU, Octavian POTECAȘU, *METALURGIA* NR.6, ISSN 0461-9579, (2010) , pag. 16 – 21.
29. Development of the raw material base in respect to the technologically and conceptually advanced steelwork - Anisoara CIOCAN, Florentina POTECASU, Liliana IVANCEA, João Pedro VEIGA, *METALURGIA* NR.6, ISSN 0461-9579, (2010) , pag. 21 – 29.
30. Morphology of zinc microalloyed coatings - Tamara RADU, Florentina POTECASU, Rui Jorge CORDEIRO SILVA - *METALURGIA* NR.6, ISSN 0461-9579, (2010) , pag. 43 – 49.
31. Carburization behaviour of sintered products - Elena DRUGESCU, Mihaela MARIN, Florentina POTECAȘU, Rui Silva CORDEIRO - *METALURGIA* NR.7, ISSN 0461-9579, (2010) , PAG. 5 - 11
32. The effects of high pressure torsion on pure copper- Gheorghe GURAU, Carmela GURAU, Nicolae CANANAU, Florentina POTECASU, Victor DOGARU, F M Braz FERNANDES - *METALURGIA* NR.7, ISSN 0461-9579, (2010) , pag. 11 – 17
33. Composite Coating in Copper Matrix with Molybdenum in Dispersion Phase Obtained by Electrochemical Methods - Olga Mitoseriu, Florentina Potecasu, Stela Constantinescu, Lucica Orac - **The Anals of 'Dunărea de Jos' University of Galați , Fascicle IX Metallurgy And Material Science**, ISSN 1453 –083x, nr.4 (2010), pag.68-73
34. Scrap Quality and Metallurgical Effects Associated with Copper and Tin as Tramp Elements in the Casting Steels - Olga Mitoseriu, Florentina Potecasu, Stela Constantinescu, Lucica Orac - **The Anals of 'Dunărea de Jos' University of Galați , Fascicle IX Metallurgy And Material Science**, ISSN 1453 –083x, nr.3 (2010), pag.68-73
35. Generation, morphology and mineralogy of the dust particles from off-gas blast furnace – Anisoara Ciocan, Florentina Potecasu, Liliana Ivancea - *The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science*, ISSN 1453 –083X, 2009 nr 2_ , pag.99-105.
36. Researches on the corrosion behavior for a drawing steel that went through natural ageing- Octavian POTECAȘU¹, Florentina POTECAȘU¹, Elena IONIȚĂ¹, Alina CIUBOTARU - *The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science*, ISSN 1453 –083X, 2009 nr 2_ , pag.41-54
37. The assessing of mechanical characteristics of the steel sheets designed for drawing for a five-month-period as an effect of natural ageing - Octavian POTECAȘU¹, Florentina POTECAȘU¹, Elena IONIȚĂ¹ - **The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science**, ISSN 1453 –083X, 2009 nr 1 , , pag.46-52
38. The temperature effect on aluminium severely deformed by high pressure torsion - Carmela Gurău, Gheorghe Gurau, Nicolae Cănanău, Florentina Potecasu, Victor Dogaru, FMBraz Fernandes - **The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science**, ISSN 1453 –083X, 2009 nr 2_ , pag.8-12
39. Composite coatings performed by electrodeposition of Cd and short ceramic fibers, Sanda Ciresica COCINDAU, Olga MITOSERIU, Florentina POTECASU, Lucica ORAC, *Metalurgia* nr.8, ISSN 0461-9579, (2008) , pag. 27 – 36
40. Decorative Composite Layers, Olga Mitoseriu, Florentina Potecasu, Elena Drugescu, Maria Vlad, *The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science*, Issn 1453 –083x, 2008 Nr1, , Pag.16-21
41. The Influence of Cold Rolling on the Mechanical Characteristics for Drawing Steels, Octavian POTECASU, Florentina POTECASU, Petrica ALEXANDRU, Tamara RADU, **The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science**, ISSN 1453 –083X, 2008 nr1 , , pag.55-61
42. The Influence of Cold Rolling on the Microstructure for Drawing Steels – Florentina POTECAȘU, Octavian POTECAȘU, Elena DRUGESCU, Petrică ALEXANDRU - **The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science**, ISSN 1453 –083X, 2007 nr2, , pag.40-46 http://www.csa.com/ids70/serials_source_list.php?db=materials-set-c
43. The Temperature Influence on Mecanical Characteristics of Materials Hardened Through Deformation - F.Potecasu, O.Potecasu - **Metalurgia International** - ISSN 1582 – 2214, vol.XI, (2006) nr.8 - ISSN 1582 – 2214, pag.5-8
44. Rolul defectelor de material asupra comportării la coroziune a unor repere din industria navală - F.Potecasu, O.Potecasu - **Metalurgia** nr.1, ISSN 0461-9579, (2005) , pag. 42 – 47
45. Deformarea Plastica A Tabelor Din Otel Pentru Emailare Si Tendinta De Formare A Defectelor De Tip "Solzi De Peste" In Stratul De Email - P.Alexandru, F.Potecasu - *Metalurgia* Nr.3, Issn 0461-9579, (2005) , Pag. 10 - 17
46. Modificări Ale Caracteristicilor Mecanice Și Structurale La Încălzirea Semifabricatelor Extrudate Din Aluminiu - F.Potecasu, O.Potecasu, N.Cazacu, S.Dobrovici - *Metalurgia* Nr.4, Issn 0461-9579, (2005) , Pag. 48 – 53
47. Research on obtaining and characterizing Al-Cu composite materials - O.Potecasu, F.Oprea, F.Potecasu - *Metalurgia International* nr.4 - ISSN 1582 – 2214, (2005) , pag.8 – 13
48. Electro conducting composites with components arranged in coils - O.Potecasu, F.Potecasu - *Metalurgia International* nr.5 - ISSN 1582 – 2214, (2005) , pag. 16 – 19
49. Compozite cu matrice polimerică durificate cu roci din munții Macin - O.Potecasu, F.Potecasu, P.Alexandru - *Metalurgia* nr.3, ISSN 0461-9579, (2005) , pag. 5 – 9
50. Obținerea pe cale electrochimică a acoperirilor composite in matrice de zinc și diferite faze dispers - G.Filip. A.Preda, O. Mitoseriu, F. Potecasu - *METALURGIA*, NR. 3, ISSN 0461-9579, (2002), P26-29.
51. Cercetari Privind Obtinerea Pe Cale Electrolitică A Unor Compozite Ni-P - L.Mitoseriu, R. Drasoveanu, F. Potecasu - *Metalurgia*, Nr. 11, Issn 0461-9579, (2002), P16-22

52. Properties Of Extruded Semi-Products Of Superficial Oxidated Lead Powder - F.Potecasu, O.Potecașu, P.Alexandru - Metalurgia International Nr.6 - Issn 1582 – 2214, (2005) , Pag . 26 – 32
53. The Obtaining Of Superficial Oxidized Lead Powder - F.Potecasu, O.Potecașu, P.Alexandru - Metalurgia International Nr.7 - Issn 1582 – 2214, (2005) , Pag . 21 – 24
54. The Temperature Influence On Mecanical Characteristics Of Materials Hardened Through Deformation - F.Potecasu, O.Potecasu - Metalurgia International - Issn 1582 – 2214, Vol.Xi, (2006) Nr.8, Pag.5-8
55. Hardened Aluminium With Oxyde Particles - F.Potecasu, O.Potecasu, E.Drugescu - The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Ix Metallurgy And Material Science, Issn 1453 –083x, 2006, No.2,
56. Composite Decorative Tiles With Granite - O.Potecasu, F.Potecasu, E.Drugescu - The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Ix Metallurgy And Material Science, Issn 1453 –083x, 2006, Nr.1, Pag. 54 – 57.
57. Hardened Aluminium With Discontinous Copper Threads - O.Potecasu, F.Potecasu, P.Alexandru - The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Ix Metallurgy And Material Science, Issn 1453 –083x, 2006, No.2,
58. Interaction Of The Zinc Protective Layer With An Aggressive Atmosphere. - L. Balint, A.Ciocan, S.Balint, F.Potecașu - The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Iv Refrigerating Tehnique Internal Combustion Engine Boiler Sand Turbines, Issn 1221-4558, 2005, P. 345-351
59. The Properties Of Hardened Lead - F.Potecasu, O.Potecasu, E.Drugescu - The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Ix Metallurgy And Material Science, Issn 1453 –083x, 2005, Pag. 5-10
60. Electroplastic Model For The Steel Bars Under Thermal Treatments - P.Alexandru, O.Potecasu, F.Potecasu - The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Ix Metallurgy And Material Science, Issn 1453 –083x, 2005, Pag. 93 – 98.
61. Microstructural Changes In The Interface Zone For An Al-Cu Thermic Treated Composite - F.Potecașu, O.Potecașu, E.Drugescu - The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Ix Metallurgy And Material Science, Issn 1453 – 083x, 2004., Pag.5 – 8
62. Electroconducting Composites With Components Arranged In Coils - O.Potecașu, F.Potecașu, P.Alexandru - The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Ix Metallurgy And Material Science, Issn 1453 –083x, 2004. Pag. 82 – 87

III. Papers published in the proceedings of international conferences

1. Researches Regarding the Effect of Steam Oxidation on Microstructure and Wear Behavior of Sintered Alloys -Mihaela MARIN, Florentina POTECAȘU, Elena DRUGESCU, Octavian POTECAȘU, - **Conference Of Young Researchers "New Trends In Environmental And Materials Engineering" (TEME) 28 - 30 October 2013, GALAȚI, ROMANIA**
[file:///E:/Descarcari/2013-TEME%20\(2\).pdf](file:///E:/Descarcari/2013-TEME%20(2).pdf)
2. Considerations on producing thin strips from Fe-Ni alloys used in measurement and control equipment manufacturing **Marian Bordei, Octavian Potecașu, Florentina Potecașu, Florin Marin (Romania)** IOC 2013 (<http://www.ioc.tf.bor.ac.rs/index.php/final-progam-2013/poster-2013>) (organizatori [Technical Faculty in Bor, University of Belgrade](#) and [Mining and Metallurgy Institute Bor](#)) <http://www.ioc.tf.bor.ac.rs/index.php/final-report-ioc-2013>
3. Researches on optimizing the fabrication technologies for the thick sheets intended for pipes - **Octavian Potecașu, Florentina Potecașu***, **Marian Bordei, Mihaela Marin (Romania)** (<http://www.ioc.tf.bor.ac.rs/index.php/final-progam-2013/oral-2013/ses8-13>) 45th International October Conference On Mining And Metallurgy IOC 2013 (organizatori [Technical Faculty in Bor, University of Belgrade](#) and [Mining and Metallurgy Institute Bor](#)), <http://www.ioc.tf.bor.ac.rs/index.php/final-report-ioc-2013>
4. Effect of steam treatment on the wear resistance of sintered P/M steels -**Marin Mihaela, Potecasu Florentina***, **Potecasu Octavian, Bordei Marian, Marin Florin (Romania)** (<http://www.ioc.tf.bor.ac.rs/index.php/final-progam-2013/oral-2013/ses8-13>)- 45th International October Conference On Mining And Metallurgy IOC 2013 (organizatori [Technical Faculty in Bor, University of Belgrade](#) and [Mining and Metallurgy Institute Bor](#)), <http://www.ioc.tf.bor.ac.rs/index.php/final-report-ioc-2013>
5. The Corrosion Behavior Of Steel For Transportation Of Petroleum Products In Marine Environment - O. POTECASU, F. POTECASU, M. BORDEI, P. ALEXANDRU, FLORIN MARIN - 13th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining, www.sgem.org, **SGEM2013 Conference Proceedings, ISBN 978-954-91818-8-3 / ISSN 1314-2704**, June 16-22, 2013, Vol. 2, 981 - 988 pp. DOI:10.5593/SGEM2013/BA1.V2/S06.006 (h-indice SCOPUS 5)
6. **The Corrosion Behavior Of Naval Reconditioned Steel By Welding In Marine Environment** - F. POTECASU, O. POTECASU, M. BORDEI, P. ALEXANDRU, M. MARIN_ 13th SGEM GeoConference on Science and Technologies In Geology, Exploration and Mining, www.sgem.org, SGEM2013 Conference Proceedings, ISBN 978-954-91818-8-3 / ISSN 1314-2704, June 16-22, 2013, Vol. 2, 973 - 980 pp. DOI:10.5593/SGEM2013/BA1.V2/S06.005. (h-indice SCOPUS 5).
7. Researches Regarding the Effect of Steam Oxidation on Microstructure and Wear Behavior of Sintered Alloys -Mihaela MARIN, Florentina POTECAȘU, Elena DRUGESCU, Octavian POTECAȘU, **Conference Of Young Researchers "New Trends In Environmental And Materials Engineering" (TEME) 28 - 30 October 2013, GALAȚI, ROMANIA, The Annals Of "Dunarea De Jos" University Of Galati.** Fascicle IX. Metallurgy And Materials Science SPECIAL ISSUE – 2013, pag.38-42; ISSN 1453 – 083X. [file:///E:/Descarcari/2013-TEME%20\(2\).pdf](file:///E:/Descarcari/2013-TEME%20(2).pdf)
8. Obtaining And Characterizing Zn-Al-Bi Coatings On Steel Band, T. Radu, A. Ciocan, Florentina POTECAȘU, L. Balint, METAL 2012, 21st International Conference on Metallurgy and Materials, May 23rd- 25th 2012 Brno, Czech Republic; EU, Proceeding on CD, ISBN 978-80-87294-29-1
<http://www.metal2012.com/en/view-list-of-papers/>
https://is.muni.cz/repo/981550/papers_en.htm#sectionZV

- <http://www.metal2012.com/files/proceedings/02/reports/145.pdf>
9. Surface Treatment Of Iron- Based Sintered Compacts For Corrosion Protection, Florentina POTECAȘU, T. Radu, O. Potecașu, M. Marin, A. Ciocan, METAL 2012, 23-25. May 2012, 21st International Conference on Metallurgy and Materials, May 23rd- 25th 2012 Brno, Czech Republic; EU, Proceeding on CD, ISBN 978-80-87294-29-1; <http://www.metal2012.com/en/view-list-of-papers/>
https://is.muni.cz/repo/981550/papers_en.htm#sectionZV
<http://www.metal2012.com/files/proceedings/02/reports/146.pdf>
 10. Influence Of Additional Alloying Elements On Corrosion Resistance Of Hot Dip Galvanised Steels - A. Alexa¹; T. Radu²; F. Potecașu²; A. Ciocan² - **VI International Materials Symposium** - Materials 2011, XV Meeting of SPM - Sociedade Portuguesa de Materiais April 18-20, 2011, Guimaraes, Portugal - <http://www.castingarea.com/events/events2011.htm>
 11. Microalloying of the zinc for obtaining masteralloys or correction of the chemical composition for the Zn Baths In The Galvanizing Process - A. Alexa¹; A. Ciocan², T. Radu²; F. Potecașu²; - **VI International Materials Symposium** - Materials 2011, Xv Meeting Of Spm - Sociedade Portuguesa De Materiais April 18-20, 2011, Guimaraes, Portugal - <http://www.castingarea.com/events/events2011.htm>
 12. The influence of the relative sliding on the surface quality- Diaconu Nicolae, Deleanu Lorena, **Potecașu Florentina**, Ciortan Sorin - –Serbian Tribology Society, Balkan Tribological Association - **International Conference On Tribology – SERBIATRIB** –Proceedings - Tribometry - - Pages 386-391, ISBN 978-86-86663-74-02011 <http://www.serbiatrib.mfkg.rs/proceedings.html>
 13. Influence Of Ecap Passes On Spd Process Parameters And Material Properties - Gheorghe Gurau, Carmela Gurau, Nicolae Cananau, Florentina Potecașu, Pag. 141-148; **International Conference On Advanced Technologies And Materials - Ugalmat 2011**, October 21-22, 2011, University Dunarea De Jos Of Galati, Faculty Of Metallurgy And Materials Science, Galati, Romania, <http://www.castingarea.com/events/events2011.htm>; <http://www.fmet.ugal.ro/mysite4/index.htm>
 14. Effect Of Fluidized- Bed Carburizing On Mechanical Properties And Abrasive Wear Behavior Of Sintered Steels - Mihaela Marin, Florentina Potecașu, Elena Drugescu, Octavian Potecașu, Petrică Alexandru, Pag. 288-294; **International Conference On Advanced Technologies And Materials - Ugalmat 2011**, October 21-22, 2011, University Dunarea De Jos Of Galatii, Faculty Of Metallurgy And Materials Science, Galati, Romania, <http://www.castingarea.com/events/events2011.htm> ; <http://www.fmet.ugal.ro/mysite4/index.htm>
 15. Anisoara CIOCAN, Florentina POTECASU, João Pedro VEIGA-*Development the steel industry waste-free by internal recycling of the blast furnace dusts*, METAL 2010, May 18-20,Czech Republic, CD Proceeding, ISBN 978-80-87294-15-4, fisier papper <http://www.metal2011.com/index.php?load=confer&confer=1&type=reports&lang=en&lang=en>
 16. Tamara Radu, **Florentina Potecașu**, Maria Vlad, Viorel Dragan, *Research on obtaining and characterization of zinc microalloyed with bismuth coatings*, METAL 2010, May 18-20,Czech Republic, CD Proceeding, ISBN 978-80-87294-15-4, fisier papper <http://www.metal2011.com/index.php?load=confer&confer=1&type=reports&lang=en&lang=en>
 17. Scrap quality and metallurgical effects associated with copper and tin as tramp elements in the casting steels - Anisoara CIOCAN, **Florentina POTECASU** –**International Coference ART CAST-2010**, May 14-15, 2010 Galati, Romania –Part 1, pag.19-21 <http://www.castingarea.com/research/artcast10-papers.htm>
 18. Decorative surfaces obtained through thermal zincing -**Tamara RADU, Florentina POTECASU**- **International Coference ART CAST-2010**, May 14-15, 2010 Galati, Romania –Part 1, pag.32-37 <http://www.castingarea.com/research/artcast10-papers.htm>
 19. Composite Coating in Copper Matrix with Molybdenum in Dispersion Phase Obtained by Electrochemical Methods - Olga Mitoseriu, Florentina Potecașu, Stela Constantinescu, Lucica Orac - –**International Coference ART CAST-2010**, May 14-15, 2010 Galati, Romania –Part 1, pag.19-21 pag.237-243 <http://www.castingarea.com/research/artcast10-papers.htm>
 20. Characterization of the Diffusion Zone Developed in a Bimetallic Steel-Bronze at Interface Authors A. Ciocan, F. Potecașu, E. Drugescu, Simona Constantinescu **Fifth International Materials Symposium MATERIALS 2009**; LISBOA, APRILIE 2009 Edited by Luís Guerra ROSA and Fernanda MARGARIDO Pages 556-563 DOI 10.4028/www.scientific.net/MSF.636-637.556 Online since January, 2010
 21. Mass transfer processes developed within a bimetal, obtained through welding - Anisoara CIOCAN, **Florentina Potecașu**, Tamara Radu - **International Conference- WELDING IN MARITIME ENGINEERING**, Croatia, Zagreb, may 2009; <http://www.fsb.unizg.hr/hdtz/hdtz.php?str=1&l=en&pg=28>; http://www.fsb.hr/hdtz/docs/03_06_2008_30_first_call.pdf
 22. Obtaining, processing and characterization of an electro-conductive composite material with aluminum matrix reinforced with copper wires - Florentina POTECAȘU¹, Octavian POTECAȘU¹, Elena IONIȚĂ¹, Alina CIUBOTARIU¹ - INTERNATIONAL CONFERENCE UgalMat 2009, October, Galati, Romania
 23. Researches on the corrosion behavior for a drawing steel that went through natural ageing- Octavian POTECAȘU¹, Florentina POTECAȘU¹, Elena IONIȚĂ¹ - INTERNATIONAL CONFERENCE UgalMat 2009, October, Galati, Romania
 24. The assessing of mechanical characteristics of the steel sheets designed for drawing for a five-month-period as an effect of natural ageing - Octavian POTECAȘU¹, **Florentina POTECAȘU¹**, Elena IONIȚĂ¹ - **INTERNATIONAL CONFERENCE UgalMat 2009**, October, Galati, Romania
 25. Influence of the plastic deformation and thermal treatment on copper structure and its behaviour at corrosion - **Florentina POTECAȘU¹**, Ana Doniga - **INTERNATIONAL CONFERENCE UgalMat 2009**, October, Galati, Romania
 26. The temperature effect on aluminium severely deformed by high pressure torsion - Carmela Gurău, Gheorghe Gurau, Nicolae Cănanău, **Florentina Potecașu**, Victor Dogaru, FMBraz Fernandes - **INTERNATIONAL CONFERENCE UgalMat 2009**, October, Galati, Romania
 27. The effects of high pressure torsion on pure copper - Gheorghe Gurau, Carmela Gurău, Nicolae Cănanău, **Florentina Potecașu**, Victor Dogaru, FMBraz Fernandes - **INTERNATIONAL CONFERENCE UgalMat 2009**, October, Galati, Romania
 28. Environment quality improvement at hot dip galvanization and the recycling of zinc by- products - M.Vlad, T. Radu, O. Mitoseriu, F. Potecașu - **INTERNATIONAL UNIVERSITY OF ALBA IULIA- BALKAN ENVIRONMENTAL ASSOCIATION. A**

- Conference- MANAGEMENT AND SUSTAINABLE PROTECTION OF ENVIRONMENT, MAY 2009 – 2009 Pag.248, Ed. AETERNITAS Publishing House, ISBN 978-973-1890-30-2
29. Decorative Composite Layers, Olga MITOSERIU, Florentina POTECASU, Elena DRUGESCU, Maria VLAD, **Conferinta internationala ARTCAST 2008**, Ed.a IV-a, Galati, volumul Turnătoria de la rigoarea tehnicii la arta, ISBN 978-973-7845-94-8
 30. ALUMINUM HARDENING BY OXIDE DISPERSION - F POTECASU, O. POTECASU, E. DRUGESCU - INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE AND ENGINEERING - Section 2: Materials Science and Surface Engineering February 22/24, 2007 BRAMAT, Brasov, Romania
 31. RESEARCHES CONCERNING THE EVALUATION OF BENDING BODY INTENSITY AND CORRELATION OF THE SEMIPLANETARY ROLLING PROCESS FACTORS - N CANANAU, P ALEXANDRU, G GURAU - International Conference on Material Science and Engineering, February 22/24, 2007 BRAMAT, Brasov, Romania
 32. ALUMINUM HARDENING BY OXIDE DISPERSION, F POTECASU, O. POTECASU, E. DRUGESCU International Conference on Material Science and Engineering, February 22/24, Brasov, 2007 BRAMAT, Romania
 33. **F. Potecasu**, O. Potecasu, F. Braz Fernandes, V. Musat - LEAD HARDENING BY OXIDE SCATTERING – AVEIRO, **Materials 2005** PORTUGALIA; Proceedings of the International Materials Symposium Materials 2005- SPM – Materials Science Forum III, 718-722
 34. Potecașu Florentina, Potecașu Octavian, Alexandru Petrică, Dobrovici Sorin, Cazacu Nelu- Research on the Factors that Have an Influence upon the Structures and Properties of the A₅ Steel Strips Intended for Deep-Drawing – *METAL 2005 - 14th International Metallurgical & Material Conference*, 24th - 26th May 2005, Hradec nad Moravici, Czech Republic, EUROPE– CD – Symposium D - lucrarea nr.119, Proceedings pag.72
 35. Petrică Alexandru, Octavian Potecașu, Nelu Cazacu, Florentina Potecașu, Sorin Dobrovici -A MODEL OF ELASTO-PLASTIC BEHAVIOR FOR THE METALLIC BARS SUBDUED TO THE THERMAL TREATMENTS – *METAL 2005 - 14th International Metallurgical & Material Conference*, 24th - 26th May 2005, Hradec nad Moravici, Czech Republic, EUROPE– CD – Symposium C -lucrarea nr.117, Proceedings pag. 68.
 36. Adolf Băclea, Nelu Cazacu, Octavian Potecașu, Florentina Potecașu, Sorin Dobrovici, Elena Drugescu - ASPECTS CONCERNING FLUIDIZED BED NITRIDING FOR ALLOYING STEEL WITH ALUMINIUM - *METAL 2005 - METAL 2005 - 14th International Metallurgical & Material Conference*, 24th - 26th May 2005, Hradec nad Moravici, Czech Republic, EUROPE – CD – Symposium D - lucrarea nr.123, Proceedings pag.70 .
 37. Elena Drugescu, Sorin Dobrovici, Nelu Cazacu, Florentina Potecașu, Adolf Băclea, Potecașu Octavian- Weight Influence Factors for A537 (HSLA) Heat Treatments– *METAL 2005 - 14th International Metallurgical & Material Conference*, 24th - 26th May 2005, Hradec nad Moravici, Czech Republic, EUROPE – CD – Symposium D - lucrarea nr.120, Proceedings pag.71 .
 38. Sorin Dobrovici, Nelu Cazacu, Octavian Potecașu, Florentina Potecașu, Elena Drugescu, Adolf Băclea - SURFACE NITROCARBURIZING TREATMENT OF STEEL USING FLUIDIZED BED - *METAL 2005 - 14th International Metallurgical & Material Conference*, 24th - 26th May 2005, Hradec nad Moravici, Czech Republic, EUROPE – CD – Symposium D - lucrarea nr.122, Proceedings pag.71 .
 39. Nelu Cazacu, Sorin Dobrovici, Elena Drugescu. Octavian Potecașu, Adolf Băclea, Florentina Potecașu - SURFACE HARDENING FOR LOW CARBON STEEL BY YAG:Nd PULSE LASER - *METAL 2005 - 14th International Metallurgical & Material Conference*, 24th - 26th May 2005, Hradec nad Moravici, Czech Republic, EUROPE – CD – Symposium D - lucrarea nr.121, Proceedings pag.70
 40. Potecașu Octavian, Potecașu Florentina, Cazacu Nelu, Alexandru Petrică, Dobrovici Sorin The Characterization of the A₅ Steel Strips Behavior for Deep-Drawing – *METAL 2005 - 14th International Metallurgical & Material Conference*, 24th - 26th May 2005, Hradec nad Moravici, Czech Republic, EUROPE– Proceedings pag.72
 41. N.Cazacu, S.Dobrovici, F.Potecașu, O.Potecașu, A.Băclea, E.Drugescu, L.Sava: Factors Influences over Surface Steel Hardening by YAG:Nd Pulse Laser. *European Congress on Advanced Materials and Processes*, Praga septembrie 2005, publicată în volumul Congresului.
 42. O. Potecasu, F. Potecasu, N. Cazacu, S. Dobrovici, E. Drugescu -The Characterization Of The Al-Cu Composites Plastically Deformed With Lamellar Orientation Of The Components - *12th International Metallurgy & Materials Congress - e-book* ISBN 9944-89-073-1, pages 1123-1129, Istanbul, Turcia, 2005
 43. O. Potecasu, F. Potecasu - THE CHARACTERIZING OF AL-CU COMPOSITES PLASTICALLY DEFORMED WITH COPPER FASCICULARY ORIENTATED- *12th International Metallurgy & Materials Congress - e-book* ISBN 9944-89-073-1, pages 936-940, Istanbul, Turcia, 2005
 44. F. Potecasu O. Potecasu, E. Drugescu, N. Cazacu, S. Dobrovici - The Influence Of Thermic Processing On The Mass Transfer Processes At The Al-Cu Interface In Composite Materials -Abstract book, ISBN : 975-395-941-9, page 98., Istanbul, Turcia, 2005
 45. F. Potecasu, O. Potecasu, P. Alexandru, D. Hanganu, S. Balint-The Influence Of The Deformation Degree On The Structure And Mechanical Characteristics Of Steel Sheets Intended For Producing Car Bodies - *12th International Metallurgy & Materials Congress - e-book* ISBN 9944-89-073-1, pages 89-95, Istanbul, Turcia, 2005
 46. F. Potecasu, O. Potecasu, O. Mitoseriu, E. Drugescu, M. Popescu - The Role Of Materials' Faults In Accelerated Corrosion In Seawater For A Cu-Ni Alloy - *E-Book* Isbn 9944-89-073-1, Pages 1820-1827, Istanbul, Turcia, 2005
 47. F. Potecasu, O. Potecasu, E. Drugescu, N. Cazacu, S. Dobrovici The Characterization Of The Extruded Semi-Products Of Oxidized Lead Powder - *12th International Metallurgy & Materials Congress –E-Book* Isbn 9944-89-073-1, Pages 1130-1135, Istanbul, Turcia, 2005
 48. F. Potecasu, O. Potecasu, N. Cazacu, P. Alexandru - The Microstructure Of The Extruded Semi-Products Of Oxidized Lead Powder - *12th International Metallurgy & Materials Congress – E-Book* Isbn 9944-89-073-1, Pages 941-944. Istanbul, Turcia, 2005

49. Potecasu Octavian, **Potecasu Florentina**, Buburuzan Laura - *Composites Hardened with Granite* - The 42th International Seminar on modelling and optimisation of composites MOC'42, "Prediction in Material science" Odessa 24-25 April 2004, **Ucraina**, și publicată în Proceeding of abstracts
50. Buburuzan L., **Potecasu F.**, Potecasu O - Research on cermets obtaining based on SiC. - The 42th International Seminar on modelling and optimisation of composites MOC'42, "Prediction in Material science" Odessa 24-25 April 2003, Ucraina, și publicată în **Proceeding of abstracts**, ISBN 966-549-916-5, pag.171;
51. Potecașu, O., **Potecașu, F.I.**, Alexandru, P., Cazacu N.- The extrusion of iron powder in tubular products - The 42th International Seminar on modelling and optimisation of composites MOC'42, "Prediction in Material science" Odessa 24-25 April 2003, Ucraina, și publicată în **Proceeding of abstracts**, ISBN 966-549-916-5, pag.170;
52. **Potecasu F.**, Potecasu O., Alexandru P., Buburuzan L.- Influence of Temperature on Microstructure in Spherical Bronze Powder Sintering. The 42th International Seminar on modelling and optimisation of composites MOC'42, "Prediction in Material science" Odessa 24-25 April 2003, Ucraina, și publicată în **Proceeding of abstracts**, ISBN 966-549-916-5, pag.172.
53. Alexandru P., Hanganu D., **Potecasu F.**, Drugescu E - Simulation of the Phase Transformations in Water Quenching of Round Steels Bars. The 42th International Seminar on modelling and optimisation of composites MOC'42, "Prediction in Material science" Odessa 24-25 April 2003, Ucraina, și publicată în **Proceeding of abstracts**, ISBN 966-549-916-5, pag.16.
54. Dobrovici, S., Cazacu, N., Drugescu, E., Băclea, A., **Potecașu, F.** - Weight factors over carbonitriding in fluidized bed for 40Cr10 steel - The 42th International Seminar on modelling and optimisation of composites MOC'41, "Prediction in Material science" Odessa 24-25 April 2003 și publicată în **Proceeding of abstracts**, ISBN 966-549-916-5, pag.19.
55. Cazacu, N., Dobrovici S., Băclea A., **Potecasu F.** - Thermal conductivity of dispersed solid/gas atmosphere, Drugescu, E.- The 42th International Seminar on modelling and optimisation of composites MOC'42, "Prediction in Material science" Odessa 24-25 April 2003, Ucraina, și publicată în **Proceeding of abstracts**, ISBN 966-549-916-5, pag.156.
56. O.Potecasu, **F.Potecasu**, N.Cazacu, P.Alexandru, „Electroconducting composites with components arranged in coils” The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science” Odessa, 2002, p.147.
57. L.Balint, E.Drugescu, **F.Potecasu**, S.Balint, V.Dragan. - Temperature influence on electrodeposited layers - **11th International Metallurgy & Materials Congress. Abstracts, Istanbul, Turcia**, iunie 2002, pag.189.
58. E.Drugescu, N.Cazacu, S.Dobrovici, O.Potecașu, **F.Potecașu** - Some Aspects Concerning The HSS Nitriding In Fluidized Bed - The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science” Odessa 25-26 aprilie 2002, Ucraina, pag.132.
59. A.Băclea, E.Drugescu, N.Cazacu, S.Dobrovici, O.Potecașu, **F.Potecașu**. Some Aspects Concerning Thermodynamics of Fluidized Bed Carburizing - The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science” Odesa 25-26 aprilie 2002, Ucraina, pag.130.
60. N.Cazacu, E.Drugescu, S.Dobrovici, O.Potecașu, **F.Potecașu**, A.Băclea - The Applications of Taguchi Methodologies at Carburizing Experiments - The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science” Odesa 25-26 aprilie 2002, Ucraina, pag.45.
61. N.Cazacu, E.Drugescu, A.Băclea, O.Potecașu, **F.Potecașu**. The HSS Behaviour on Fluidized Bed Carbonitriding - **The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science” Odesa** 25-26 aprilie 2002, Ucraina, pag.133.
62. E.Drugescu, A.Băclea, S.Dobrovici, N.Cazacu, O.Potecașu, **F.Potecașu** - Carbon steel narrow strip behaviour on carburizing with endothermic atmosphere - **The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science” Odesa** 25-26 aprilie 2002, Ucraina, pag.131.
63. **F.Potecașu**, O.Potecașu, L.Buburuzan, N.Cazacu, "Electrical resistivity of the semi-products obtained by extrusion from partially oxidized lead powder", **The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science”**, Odessa 2002, p.149.
64. L.Buburuzan, **F.Potecașu**, O.Potecașu, P.Alexandru, "Influence thermal treatment on the mechanical characteristics for steel plates intended for deep drawing" - **The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science”**, Odessa 2002, p.135.
65. P.Alexandru, O.Potecașu, **F.Potecașu**, L.Buburuzan, "Influence of the cold plastic deformation on coefficients anisotropy for steel plates intended for deep drawing" **The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science”**, Odessa 2002, p.134.
66. **O.Potecașu**, F.Potecașu, **L.Buburuzan**, **P.Alexandru**, **Corrosion behaviour in acid medium of semi-products made from partially oxidized lead powder by extrusion** - **The 41th International Seminar on modelling and optimization of composites MOC'41, „Prediction in Materials Science”**, **Odesa 2002, p.148**
67. **F.Potecasu**; O.Potecasu; E.Drugescu; P.Alexandru - The mechanical characteristics of the semi-products obtained from lead, lead alloys and partially oxidized lead powder by extrusion - **Proceeding of the 40th International Seminar on Modelling and Optimisation of Composites MOC'40, Odessa**, 26-27 April 2001, pag.172.
68. **F.Potecasu**, O.Potecasu, E.Drugescu; L.Buburuzan – Microstructural analysis of the semi-products made from lead, lead alloy and partially oxidized lead powder by extrusion - **Proceeding of the 40th International Seminar on Modelling and Optimisation of Composites MOC'40, Odessa**, 26-27 April 2001, pag.173
69. O.Potecasu; **F.Potecasu**; E.Drugescu; N.Cazacu - Researches regarding the weight transfer in Al-Cu composite materials - **Proceeding of the 40th International Seminar on Modelling and Optimisation of Composites MOC'40, Odessa**, 26-27 April 2001, pag.174 .
70. Elena Drugescu, Nelu Cazacu, Sorin Dobrovici, Adolf Băclea, **Florentina Potecasu** - 18MnCr10 Behavior on fluidized bed carburizing, **Proceeding of the 40th International Seminar on Modelling and Optimisation of Composites MOC'40, Odessa**, 26-27 April 2001, pag.144

71. D.Hanganu; P.Alexandru; **F.Potecasu**; I.Dobrota – Determination transfer function for rotary forging. **Proceeding of the 40th International Seminar on Modelling and Optimisation of Composites MOC'40, Odessa, 26-27 April 2001**
72. R. Drașoveanu, L. Mitoșeriu, O. Mitoșeriu, **F. Potecașu** –Composite Coatings With Red Phosphorus and metal matrix – **Conference Junior Euromat 2000, Lausanne, Switzerland, pag. 111.**
73. Potecasu Florentina, **Potecasu Octavian, Drugescu Elena, Nelu Cazacu - The Creep Behaviour of Hardened Lead Through Oxide Dispersion - Sensible Experiment In Materials Science, MOK'39- ODESSA, 2000, pag.165**
74. **Potecasu Octavian, Potecasu Florentina, Drugescu Elena, Hanganu Doru - The Resistivity of Al – Cu Composites Obtained Through Extrusion – Sensible Experiment In Materials Science, MOK'39 - ODESSA, 2000, pag.172.**
75. **Drugescu Elena, Nelu Cazacu, Dobrovici Sorin, Potecasu Octavian, Potecasu Florentina – Carburizing In Fluidized bed With Endothermic Atmosphere - Sensible Experiment In Materials Science, MOK'39- ODESSA, 2000, pag.163**
76. **Drugescu Elena, Nelu Cazacu, Potecasu Florentina, Potecasu Octavian - Mathematical Modeling of Carburizing in Fluidized Bed – Modeling in Materials Science, MOK'38, Odesa, 1999, pag.126. ISBN 966-549-265-9.**
77. **Nelu Cazacu, Drugescu Elena, Potecasu Florentina, Potecasu Octavian - Hyperbola Modeling of Heat Transfer in Fluidized Bed – Modeling in Materials Science, MOK'38,Odesa, 1999, pag.125, ISBN 966-549-265-9.**
78. **Ana Doniga, Dumitru Dima, Potecasu Florentina, Elisabeta Vasilescu, Traian Dumitrescu - Researches of the Magnetic Domain on the 3% Plates and the Correlation to the Crystallographic Texture and Magnetic Properties - Modeling in Materials Science, MOK'38, Odesa, 1999, pag.138 ISBN 966-549-265-9.**
79. **Potecașu Florentina, Potecașu Octavian, Drugescu Elena, Mitoșeriu Olga, Radu Tamara -The structure effect in the corrosion behavior of Cu-Ni Alloys used in naval Construction –EUROMAT 98, Portugalia, Lisbon, 1998 - Materials in Oceanic Environment, Proceedings–vol. II, page 3-12.**
80. Radu Tamara, Lidia Benea, O.Dossenbach, **Potecașu Florentina, -Study of Zinc-Iron alloy Coatings Obtained by the Heat Treatment Applied to Hot Zinc-Plated Steel Strip–EUROMAT 98, Portugalia, Lisbon, 1998 - Materials in Oceanic Environment, Proceedings–vol. I, page 509-517.**
81. **O. Mitoșeriu, E. Drugescu, G. Banu, F. Potecașu, A. Preda, J. Babanova – Researches on Fe – Silicon Carbide Composite Materials – 37-th International Workshop "Modeling in Materials Science", Mok-37, Odessa, aprilie, 1998, pag.105**

IV. Papers published in the proceedings of national conferences

1. Superior valorisation of the metallic scraps for obtaining bimetallic steel-bronze parts, Anișoara Ciocan, Florentina Potecașu, **The 16th International Conference TEHNOMUS - New Technologies and Products in Machine Manufacturing Technologies**, 13-14 May 2011 Suceava Romania http://www.researchgate.net/conference/TEHNOMUS-2011:6th_International_Conference_on_New_Technologies_and_Products_in_Machine_Manufacturing_Technology/
2. Zinc-Tin-Nichel Alloy Coating On Steel Support- Poster40 - Tamara Radu, Florentina Potecasu, Gina Gonceva Istrate – International Conference **TEME 2011- NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING**; May 18 - 20, 2011 In Galati, Romania . <http://www.teme.ugal.ro/programme.htm>
3. Considerations regarding the behaviour at corrosion of a steel used for the transportation of petroliferous products - Poster76 - Octavian POTECAȘU, Florentina POTECAȘU, Catalin IONITA - **TEME 2011- NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING; May 18 - 20, 2011 in Galati, Romania** <http://www.teme.ugal.ro/programme.htm>
4. The behavior evolution for corrosion and for mechanical characteristics for a steel intended for drawing with 0,04%C - **Poster75** - Florentina POTECAȘU, Octavian POTECAȘU, Tamara RADU, Alina CIUBOTARIU , Elena LUPES - **TEME 2011- NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING; May 18 - 20, 2011 in Galati, Romania** <http://www.teme.ugal.ro/programme.htm>
5. Comportarea la coroziunea in apa de mare a unui bronz obtinut din deseuri si utilizat la realizarea lagarelor bimetalice supuse unor solicitari mecanice speciale - **Florentina Potecasu, Anișoara CIOCAN, - Generation, prevention and processing of pollutant emissions in industrial environment GEPROL 2009** ,iunie 2009, Bucuresti
6. Research On The Factors That Have An Influence Upon The Structures And Properties Of The A5 Steel Strips Intended For Deep-Drawing – Elena Drugescu, Octavian Potecașu, Florentina Potecașu, Petrică Alexandru - **The Sixth International Congress in Materials Science and Engineering IASI 2007** , ASM International, Academia de Științe tehnice, Bulletin of the Polytechnic Institute of Jassy, Tomul LII

IV. Papers published in the proceedings of national conferences and workshops (papers/posters)

1. Superior valorisation of the metallic scraps for obtaining bimetallic steel-bronze parts, Anișoara Ciocan, Florentina Potecașu, **The 16th International Conference TEHNOMUS - New Technologies and Products in Machine Manufacturing Technologies**, 13-14 May 2011 Suceava Romania http://www.researchgate.net/conference/TEHNOMUS-2011:6th_International_Conference_on_New_Technologies_and_Products_in_Machine_Manufacturing_Technology/

2. Zinc-Tin-Nichel Alloy Coating On Steel Support- Poster40 - Tamara Radu, Florentina Potecasu, Gina Genoveva Istrate – International Conference TEME 2011- NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING; May 18 - 20, 2011 In Galati, Romania . <http://www.teme.ugal.ro/programme.htm>
3. Considerations regarding the behaviour at corrosion of a steel used for the transportation of petroliferous products - Poster76 - Octavian POTECAȘU, Florentina POTECAȘU, Catalin IONITA - **TEME 2011- NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING; May 18 - 20, 2011 in Galati, Romania** <http://www.teme.ugal.ro/programme.htm>
4. The behavior evolution for corrosion and for mechanical characteristics for a steel intended for drawing with 0,04%C - **Poster75** - Florentina POTECAȘU, Octavian POTECAȘU, Tamara RADU, Alina CIUBOTARIU , Elena LUPES - **TEME 2011- NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING; May 18 - 20, 2011 in Galati, Romania** <http://www.teme.ugal.ro/programme.htm>
5. The characterization of the Al-Cu composites plastically deformed with lamellar orientation of the components **P.23** - Octavian POTECAȘU, Florentina POTECAȘU - **International Workshop - RESEARCH QUALITY IN DOCTORAL SCHOOL INCREASED INDUSTRIAL AND INTERNATIONAL VISIBILITY**; 13 – 14 July 2011; "Dunarea de Jos" University of Galati <http://www.phd-expert.ugal.ro/SiteWorkshop2011/index.htm>
6. Analysis and quality surface of abrasive wear in sintered steels **P.32** - Mihaela MARIN, Florentina POTECAȘU, Elena DRUGESCU, Octavian POTECAȘU, Petrică ALEXANDRU, Lorena DELEANU - **International Workshop - RESEARCH QUALITY IN DOCTORAL SCHOOL INCREASED INDUSTRIAL AND INTERNATIONAL VISIBILITY**; 13 – 14 July 2011 "Dunarea de Jos" University of Galati <http://www.phd-expert.ugal.ro/SiteWorkshop2011/index.htm>
7. Performant materials used in civil construction, produced by nanotechnology – Doniga A, Potecasu F. **UGALnano-Simpozionul Impactul nanotehnologiilor si nanomaterialelor asupra dezvoltarii industriale si calitatii vietii, mai, 2011**
8. Aluminum Nickel bronze cladding on steel support for hard mechanical requirements used for bearing offshore drilling equipments- Anisoara CIOCAN, Tamara Radu, **Florentina Potecasu** | **COST d33 CHEMISTRY** Nanoscale Electrochemical and Bioprocesses(Corrosion) at Solid- Aqueous Interfaces of Industrial Materials, 2009 p.11 – EDITURA ALMAPRINT ISBN 978-973-1937-09-0.

V. Research contracts won by international competition

1. ERA_NET_029-2010 „MULTINANOWIRES” 2010 -2011 (COORDONATOR – Musat V.)
2. Contract PC7 / Nr.263042/2011 -"POINTS" (COORDONATOR – Musat V.)

VI. Research contracts won by national competition

1. PN II – PT – PCCA – 2011-3.2 – 1072. Benzi subtiri din otel cu caracteristici protejate cu stratur cu proprietati fizico-chimice si mecaniceridicate si toxicitate scazuta (BEPROM) Partener UDJ (COORDONATOR – T.Radu)
2. CONTRACT PNCDI (2008 -2011), nr. 142/iunie2008, Programul 5 – INOVARE , DIRECTIA DE CERCETARE 019 – Stiinta materialelor si metalurgie, 018 – Mediu si protectia mediului, TITLUL PROIECTULUI: Tehnologii avansate si ecologice de realizare a materialelor de protectie pentru imbunatatirea rezistentei la coroziune. Acronim – ECOVER (COORDONATOR – T.Radu).
3. Contract de finantare din sursa Fondul Social European (FSE) –POSDRU - Creșterea calității în formarea cercetătorilor pe bază de programe doctorale îmbunătățite prin parteneriat „Phd EXPERT”, POSDRU/21/1.5/G/19524,2009 - 2011(COORDONATOR – M. Vlad)
4. **GRANT -667/2007-2008** Filme nanostructurate oxidice multifunc-tionale obtinute prin metode chimice pe cale umedă (COORDONATOR – Musat V.)
5. **Program CALIST MCT 5135/2004, 2005** - Procedură pentru identificarea și determinarea rapidă a unor metale grele din ape (ape uzate utilizate la electrodepunerea acoperirilor de tip compozit) Contractor: Uzinsider Galati; Responsabil proiect: D.T Levcovici; Partener Univ Dunarea de Jos; Resp. faza 2:Mitoseriu Olga, Potecasu Florentina; FAZA 2 - MODEL EXPERIMENTAL- ALEGEREA TIOBIS-β-NAFTOLULUI CA REACTIV ȘI CARACTERIZAREA ACESTUIA
6. **Program CALIST MCT 5135/2004, 2006** - Procedură pentru identificarea și determinarea rapidă a unor metale grele din ape (ape uzate utilizate la electrodepunerea acoperirilor de tip compozit) Contractor: Uzinsider Galati; Responsabil proiect: D.T Levcovici; Partener Univ Dunarea de Jos; Resp. faza 2004, 2006:Mitoseriu Olga
7. **Contract nr. 256/2001.** Realizarea de materiale metalo-ceramice pentru repere ale unor instalații din secțiile cu profil metalurgic. Beneficiar SC SIDEX SA Galați. O.Florea., O. Mitoșeriu, **E.Drugescu**, M.Popescu, F.Potecasu, M.Vlad, V.Musat. Valoare: 30.000.000 lei .
8. **Contract nr. 256/1999.** Realizarea de materiale metalo-ceramice pentru repere ale unor instalații din secțiile cu profil metalurgic. Beneficiar SC SIDEX SA Galați. O.Florea., O. Mitoșeriu, **E.Drugescu**, M.Popescu, F.Potecasu, M.Vlad, V.Musat. Valoare: 30.000.000 lei
9. **Contract nr.196/1998.** Caracterizarea din punct de vedere structural si al proprietatilor mecanice a tablelor groase fabricate la S.C.SIDEX S.A. E.Drugescu, **F.Potecasu**, P.Alexandru, T.Radu, D.Hanganu, L.Balint, Gh.Gurau. Valoare: 15.000.000 lei.
10. **Contract nr.197/1998.** Cercetari privind influenta structurii tablelor destinate emailarii asupra aderenței depunerii. E.Drugescu, **F.Potecasu**, O.Potecasu, P.Alexandru, D.Hanganu, L.Balint. Valoare 15.000.000 lei
11. **Contract nr.197/03.02.1998** –Cercetări privind influența tablelor destinate emailării asupra aderenței depunerii -**Potecasu Florentina**, Potecasu Octavian, Drugescu Elena, Alexandru Petrică, Hanganu Doru, Balint Lucia-SIDEX S.A. Galati; valoare:15.000.000.
12. **Contract nr.196/03.02.1998** -Caracterizarea din punct de vedere structural și al proprietăților mecanice a tablelor groase fabricate la S.C.Galați S.A.- Drugescu Elena. **Potecasu Florentina**, Potecasu Octavian, Alexandru Petrică, Hanganu Doru, Balint Lucia-SIDEX S.A. Galati; valoare:15.000.000.

13. **Contract nr.132/1997.** Îmbunătățirea proprietăților fizico-chimice a diferitelor piese destinate industriei metalurgice, prin acoperiri metalo-ceramice. F.Oprea, O.Mitoseriu, E.Drugescu, M.Vlad, M.Popescu, G.Banu, V.Musat, **F.Potecasu**. Beneficiar S.C.SIDEX S.A. Galați, valoare 10.000.000 lei.
14. **Contract nr.135/1997.** Studii și cercetări privind influența bazicității aglomeratului asupra proprietăților fizico - chimice ale acestuia. SIDEX S.A. Galați.-Ciocan Anișoara, Balint Simion, Vasiliu Adrian, **Potecașu Florentina**
15. **Contract nr.144/1997.** Cercetări privind influența tratamentului termic de recristalizare, efectuat în flux continuu asupra caracteristicilor benzilor din oțel de ambutisare A₅, laminate la rece. SIDEX S.A. Galați.- Drugescu Elena, **Potecașu Florentina**, Potecașu Octavian, Alexandru Petrică, Hanganu Doru, Balint Lucia-SIDEX S.A. Galați; valoare:15.000.000.
16. **Contract nr.145/1997.**Cercetări privind stabilirea tehnologiei de fabricație a benzilor din oțeluri sudabile laminate la rece cu limita de elasticitate ridicată. SIDEX S.A. Galați- Potecașu Octavian, Drugescu Elena. **Potecașu Florentina**, Alexandru Petrică, Hanganu Doru, Balint Lucia-SIDEX S.A. Galați; valoare:15.000.000.
17. **Contract nr.82/1996**-"Cercetări privind influența structurii asupra tendinței de îmbătrânire a tablelor destinate ambutisării"- E.Drugescu, O.Potecasu, **F.Potecasu**, P.Alexandru, D.Hanganu, S.Levcovici, T.Radu - SIDEX SA Galați-val.5.000.000 lei.
18. **Contract nr.83/1996**-Cercetări privind optimizarea tehnologiei de fabricație a benzilor laminate la rece, destinate ambutisării adânci, prin corelarea reducerilor aplicate în procesele de deformare plastică la cald și la rece"- O.Potecasu, E.Drugescu, **F.Potecasu**, P.Alexandru, D.Hanganu, N.Cazacu - SIDEX SA Galați-val.5.000.000 lei.
19. **Contract nr. 75 /1996**-Cercetări privind crearea unor noi materiale și tehnologii noi de aplicare a protecțiilor anticorozive fără acțiune toxică și poluantă, care să reziste în medii puternic corozive și în condiții grele de lucru"-F.Oprea, O.Mitoseriu, M.Vlad, E.Drugescu, **F.Potecasu** - SIDEX SA Galați-val.5.000.000 lei.
20. **Contract nr.114/1996** - 1997. Cercetări privind stabilirea tehnologiei de acoperire anticorozivă a benzilor de legat - O.Mitoseriu, M.Vlad, E.Drugescu, **F.Potecasu** - SIDEX SA Galați-val.10.000.000 lei. SIDEX S.A. Galați.
21. **Contract nr.25/1995**-Îmbunătățirea proprietăților tehnologice prin acoperiri speciale a unor repere metalice în condiții de funcționare la temperaturi ridicate"-F.Oprea, O.Mitoseriu, E.Drugescu, M.Vlad, **F.Potecasu**, M.Popescu, G.Banu, S.Levcovici - SIDEX SA Galați-val.10.000.000 lei.
22. **Contract nr.191B₁/1995**-Cercetări privind influența gradului de deformare plastică la rece și a parametrilor tratamentului termic de recristalizare asupra structurii și proprietăților benzilor din oțel destinate caroseriilor auto"- E.Drugescu, O.Potecasu, **F.Potecasu**, P.Alexandru, D.Hanganu, N.Cazacu - SIDEX SA Galați-val.5.000.000 lei.
23. **Contract nr.22/1994.** Cercetări privind posibilitatea fabricării benzilor destinate ambutisării și emailării. Experimentări asupra proprietăților tehnologice. E.Drugescu, S.Constantinescu, **F.Potecasu**, M.Danaila, T.Radu, P.Alexandru. Beneficiar ICEM București, valoare 2.000.000 lei.
24. **Contract 399/C/1994 A₁**-Elaborarea documentației de omologare a seriei zero a tehnologiei de fabricație și a metodei de testare a torilor de ferită CHD pentru circuitele de cale ferată.-Mușat Viorica, Potecașu Octavian,**Potecașu Florentina**, Alexandru Petrică - Ministerul Cercetării și Tehnologiei, val. 2.500.000 lei.
25. **Contract nr.111/1993** : "Studiul rezistenței la coroziune și uzura a acoperirilor compozite depuse pe diferite piese din SIDEX SA" - O.Mitoseriu, M.Vlad, E.Drugescu, **F.Potecasu** - SIDEX SA Galați -val.2.600.000 lei
26. **Contract nr.5007 C. 15C/1993.** Cercetări privind mecanismul și cinetica transformărilor de fază care au loc la obținerea și prelucrarea aliajelor cu proprietăți speciale. E.Drugescu, **F.Potecasu**, M.Danaila, M.Adascalitei, I.Solomon, Beneficiar M.I., valoare 250.000 lei.
27. **Contract nr.00746/1993.** Cercetări privind cauzele coroziunii la schimbatoarele de căldură de pe nava M/N Ferosa. Beneficiar Șantierul Naval Constanta.
28. **Contract 37/1992** -Cercetări privind obținerea tablelor cu grosimi de 50 -80 mm din brame turnate continuu -Cănanău Nicolae, Doniga Ana, Potecașu Florentina, Gurău Gheorghe, Petrea Ionel.- SIDEX SA Galați
29. **Contract nr. 20.3.20/1992** -Cercetări privind obținerea peliculelor protectoare compozite în vederea creșterii durabilității la uzura a pieselor - SIDEX SA" - F.Oprea, O.Mitoseriu, M.Vlad, E.Drugescu, F.Potecasu - SIDEX SA Galați -val.2.600.000 lei
30. **Contract nr..21/1991** -Proiectarea unui sistem de răcire controlată a benzilor sinterizate în atmosferă controlată. - IUG Progresul Brăila.
31. **Contract nr. 21/1990** -Cercetări privind punerea în evidență a structurii materialelor bimetalice și a materialelor compozite metal-metal - IUG Progresul Brăila.
32. **Contract nr. 21/1989** - Cercetări privind tehnologia de obținere a unor benzi bimetalice oțel-bronz, destinate execuției bușelor cilindrilor hidraulici -IUG Progresul Brăila.
33. **Contract nr.15/1988** -Cercetări experimentale privind tehnologia obținerii pulberii de nichel de mare puritate cu caracteristici bine definite de formă și dimensiune de particulă și densitate pentru fabricarea acumulatorilor Ni-Cd.- Regionala C.F.R.Galați.
34. **Contract nr.38/87** -Cercetări privind stabilirea tehnologiei de tratament termic pentru tablele din oțel carbon și aliate destinate industriei de automobile - ILT Galați.
35. **Contract nr.61/1985** -Cercetări privind structura metalografică a tablelor din oțeluri tratate termic pentru îmbunătățirea calității acestora.- ILT Galați.
36. **Contract nr.50/1985** -Studii și cercetări privind stabilirea tehnologiei de obținere a pulberii de nichel de mare puritate - Regionala C.F.R Galați
37. **Contract nr.66/1984** -Cercetări privind determinarea susceptibilității la fragilizarea prin hidrogen a oțelurilor. -ILT Galați.
38. **Contract nr.66/1984.** Realizarea unei instalații și stabilirea metodei pentru determinarea susceptibilității la fragilizare prin hidrogen a oțelurilor. Beneficiar IUG Grivita Rosie București
39. **Contract nr. 71/1983** Elaborarea tehnologiei de turnare a mantalelor din bronz, de dimensiuni 1900 x 500 și 1800x 500 mm pentru valțurile absorbante necesare industriei de celuloză și hârtie -INETOF Galați.

EXPERTIZE

1. **Consultatie tehnica numarul 00746/03.02.1993** Cercetari privind cauzele coroziunii la schimbatoarele de caldura de pe nava M/N Ferosa.-Mitoşeriu Olga, Drugescu Elena, Potecaşu Octavian, **Potecaşu Florentina**, Enache Lidia - Santierul Naval Constanta
2. **Contract nr.170/10997**. Expertizarea fragmentelor cutitului de gilotina FDB 10.30. pentru stabilirea cauzelor ruperii in exploatare – Dima Ovidiu, **Potecaşu Florentina**; MET CHIM S.A. Galati.

Patent

1. Galvanizing process thin steel strips in zinc baths with complex micro-bismuth-cadmium tin- nickel, owner Galfinband SA, OSIM, Romania, N00642/29.06.2011. Authors: Eni Cristinel, Tamara Radu, Vlad Maria **Florentina Potecasu**, Ciuta Stephen, Coman Mihaita Mitu_ **Hotarare OSIM 4213/30.10.2012**
http://apps.whoofknowledge.com/full_record.do?colName=DIIDW&recordID=2012D25604&page=1&qid=2&log_event=yes&viewType=fullRecord&SID=2AFbBFMz852E11b75QB&product=UA&doc=3&search_mode=OneClickSearch
2. Metal powder prodn. having specific parameters - consists of anodic deposition of hydroxide, atomisation by centrifugation, for red. by hydrogen, Patent Number(s): RO101872-A, Inventor(s): Dumitrescu T, Radu T, Balint L, **Potecasu F**, Constantinescu S, Vasilescu E, 1988
http://apps.whoofknowledge.com/full_record.do?colName=DIIDW&recordID=1993025134&page=3&qid=3&log_event=yes&viewType=fullRecord&SID=2AFbBFMz852E11b75QB&product=UA&doc=24&search_mode=OneClickSearch

15.03.2014, Galati

