

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 in 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
 - Conferentiar universitar
 - Sef de lucrari.
 - 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 și de cercetare:

- Membru al **Consiliului profesoral** al facultatii de Metalurgie si stiinta materialelor (2000-prezent).
- Director program de licenta **Ingineria procesarii materialelor.**
- Sef 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 si Materiale Functionale (CNMF).**
- Membru/responsabil colective contracte de cercetare,
- Comisii de concurs pentru promovare pe post a cadrelor didactice,
- Comisii examen diploma si licenta,
- Comisii examene, referatestagiu de pregatire 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, 2013, 2014, 2015, 2016);

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



Se anexeaza **Lista lucrarilor stiintifice.**

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

1. Surface microhardness and friction coefficient of epoxy coating modified with metal oxide nanoparticles, Viorica Musat, Constantin Spanu, Viorel Panaite, Florentina Potecasu – **Proceedings 7th CONFERENCE ON MATERIAL SCIENCE & ENGINEERING – UgalMat 2016**
2. Obtaining and characterization of Ni-Ti alloys processed through powder metallurgy, Florentina Potecasu, Octavian Potecasu, Francisco Manuel Braz Fernandes, Petrică Alexandru, Alexandru Alexa – **Proceedings 7th CONFERENCE ON MATERIAL SCIENCE & ENGINEERING – UgalMat 2016**
3. The influence of the deformation degree on the mechanical properties and microstructure of the blanks obtained by tube and wire drawing, Octavian Potecasu, Florentina Potecasu, Mihaela Marin, Florica Chicos – **Proceedings 7th CONFERENCE ON MATERIAL SCIENCE & ENGINEERING – UgalMat 2016**
4. Influence of the iron oxide phases in steam oxidation on the mechanical properties and abrasive wear of sintered iron materials – Mihaela Marin, Florentina Potecasu, Octavian Potecasu, Florin Bogdan Marin – **Proceedings 7th CONFERENCE ON MATERIAL SCIENCE & ENGINEERING – UgalMat 2016**
5. Influence of the pore characteristics on microstructure, mechanical properties and abrasive wear of sintered iron-based alloys subjected to a thermochemical treatment, Mihaela Marin, Florentina Potecasu, Octavian Potecasu, Florin Bogdan Marin – **Proceedings 7th CONFERENCE ON MATERIAL SCIENCE & ENGINEERING – UgalMat 2016**
6. Preparation and characterization of electroless Ni-P-Al₂O₃ nanocomposite coatings- Radu, T.; Vlad, M.; POTECASU, F.; et al., **Digest Journal of Nanomaterials and Biostructures** Volume: 10 Issue: 3, Pages: 1055-1065, Published: JUL-SEP 2015
7. Role of alloying addition on mechanical properties and corrosion resistance of some sintered powder metallurgy alloys - Marin, Mihaela; Potecasu, Florentina; Potecasu, Octavian; et al., Conference: 15th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 18-24, 2015, **Nano, bio and green - technologies for a sustainable future**, VOL I (SGEM 2015) Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 181-186 Published: 2015
8. The influence of heat treatment on corrosion resistance of some sintered iron alloys - Potecasu, Florentina; Marin, Mihaela; Potecasu, Octavian; et al., Conference: 15th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 18-24, 2015, **Nano, bio and green - technologies for a sustainable future**, VOL I (SGEM 2015) Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 221-226 Published: 2015
9. The long term corrosion behavior of a shape memory alloy in seawater subjected to various plastic deformation processes - Gurau, Carmela; Gurau, Gheorghe; Potecasu, Florentina, Conference: 14th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 17-26, 2014, **Geoconference On Nano, Bio And Green - Technologies For A Sustainable Future**, VOL I (SGEM 2014) Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 173-180 Published: 2014
10. Eco-efficient recovering of valuable iron units from metallurgical wastes, Radu, Tamara; Ciocan, Anisoara; Potecasu, Florentina, Conference: 14th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA Date: JUN 17-26, VOL II 2014 **Geoconference on energy and clean technologies**, Book Series: International Multidisciplinary Scientific GeoConference-SGEM Pages: 57-63 Published: 2014
11. 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://www.scientific.net/MSF.730-732.823>
12. 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.730-732.811** <http://www.scientific.net/MSF.730-732.811>
13. 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
14. Development the Steel Industry Waste-free by Internal Recycling of the Blast Furnace Dusts - Ciocan Anisoara¹, POTECAȘU Florentina² and Veiga João Pedro³, **Journal of Materials Science and Engineering B 1 (2011)** 630-635, ISSN: B:2161-6221, F1-1,560 <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
15. 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://www.jepe-journal.info/>
16. 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
17. 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;

18. 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, <http://www.scientific.net/10.4028/www.scientific.net/MSF.636-637.556>.DOI, **10.4028/www.scientific.net/MSF.636-637.556**. Citation, A. Ciocan et al., 2010, **Materials Science Forum**, 636-637, 556. Online since, January, 2010 .
19. 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
20. 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
21. 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
22. Macro and microstructural shanges 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 ; <http://scientific.thomson.com/cgi-bin/jrnst/jlresults.cgi>
23. 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://scientific.thomson.com/cgi-bin/jrnst/jlresults.cgi>
24. Material hardened with fine films of dispersed oxyde 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://scientific.thomson.com/cgi-bin/jrnst/jlresults.cgi>-
25. High hardness antifricition 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://scientific.thomson.com/cgi-bin/jrnst/jlresults.cgi>
26. 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://scientific.thomson.com/cgi-bin/jrnst/jlresults.cgi>
27. Proofs of metal processing during I B.C – I A.D. centuries in the Cascioarele – Greaca Prundu zone, **Florentina POTECAȘU**, Ana DONGA Ovidiu DMA, **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
28. 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; http://www.metalurgia.ro/Metalurgia_International_4_2008.pdf
29. Blast furnace iron lining runners in term of structural caracterisation, Marian BORDEI, Anisoara CIOCAN, **Florentina POTECAȘU**, Petrica ALEXANDRU, **Metalurgia International**, ISSN 1582 – 2214, 5/2008, pag. 45 – 48; http://www.metalurgia.ro/Metalurgia_International_5_2008.pdf
30. 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
31. Composite coatins 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
32. 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
33. 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.514-516.718
34. 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>
35. 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. Wear Behavior of Carburizing on Powder Metallurgy - Mihaela Marin, **Florentina Potecasu**, Petrică Alexandru, Octavian Potecasu, Elena Drugescu - *The Annals of Dunarea de Jos University of Galati*, Fascicola IX Metallurgy and Materials Science, **nr. 2**, pag 60-68, **2014**
2. Correlation Between the Properties of Old Slags and the Recycling Solutions - Anisoara Ciocan, **Florentina Potecașu**, Tamara Radu - *The Annals Of "Dunarea De Jos" University Of Galati*.FascicleIX.Metallurgy And Materials Science **No. 3**, pag.65-71,**2014**,ISSN 1453– 083X
3. Cooling Oil Influence of the Surface Quality of the Rolled Strip - Tamara Radu, Stela Constantinescu, **Florentina Potecașu** - *The Annals Of "Dunarea De Jos" University Of Galati*. Fascicle IX. Metallurgy And Materials Science, **No. 4**, pag.5-10 – **2014**, ISSN 1453 – 083X
4. Characterization of Archaeological Objects Coming from Moldovian Settlements in the XIVth Century - **Florentina Potecasu**, Marian Bordei, *The Annals of Dunarea de Jos University of Galati*, Fascicola IX Metallurgy and Materials Science, **nr. 4**, pag 27-31, **2014**
5. Microstructural Characteristics of the Sintered Powder Metallurgy Alloys - Mihaela Marin, **Florentina Potecasu**, Octavian Potecasu, *The Annals of Dunarea de Jos University of Galati*, Fascicola IX Metallurgy and Materials Science, nr. **4**, pag 46-51
6. Influence of porosity on mechanical properties of powder metallurgy alloys - **Florentina Potecașu**, Mihaela Marin, Octavian Potecașu, Elena Drugescu, **International Conference UgalMat 2014**, *The Annals Of "Dunarea De Jos" University Of Galati*, Fascicle IX. Metallurgy And Materials Science, Special Issue – 2014, ISSN 1453 – 083X, pag. 42 – 49, **2014**
7. 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
8. 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
9. 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**
10. 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
11. 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**;
12. 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**
13. 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
14. Morphology and properties of some anticorrosive protective coatings deposited on naval steel - Viorel PANAITE, Viorica MUSAT, **Florentina POTECASU**,Constantin GHEORGHIES - *Revista Metalurgia* nr.3, p.13, 2011
15. 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
16. 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
17. 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
18. 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
19. Producing bimetals by direct melting of the bronze machining chips into steel supports - Anisoara 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
20. 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
21. Zinc-tin-nichel alloy coating on steel support - Tamara RADU, **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
22. 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.fink.rs/index.html>

23. Superior valorisation of the metallic scraps for obtaining bimetallic steel-bronze parts, Anisoara 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, SCPIO)
http://www.fim.usv.ro/conf_1/tehnomusjournal/pagini/journal2011/files/Cuprins_final_2011.pdf
24. 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
25. 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
26. 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.
27. 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.
28. 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.
29. Morphology of zinc microalloyed coatings - Tamara RADU, Florentina POTECASU, Rui Jorge CORDEIRO SILVA - *METALURGIA* NR.6, ISSN 0461-9579, (2010) , pag. 43 – 49.
30. Carburization behaviour of sintered products - Elena DRUGESCU, Mihaela MARIN, Florentina POTECAȘU, Rui Silva CORDEIRO - *METALURGIA* NR.7, ISSN 0461-9579, (2010) , PAG. 5 - 11
31. 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
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32. **Contract nr.00746/1993.** Cercetari privind cauzele coroziunii la schimbatoarele de căldură de pe nava M/N Ferosa. Beneficiar Santierul Naval Constanta.
33. **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
34. **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
35. **Contract nr..21/1991** -Proiectarea unui sistem de răcire controlată a benzilor sinterizate în atmosferă controlată. - IUG Progresul Brăila.
36. **Contract nr. 21/1990** –Cercetări privind punerea în evidență a structurii materialelor bimetalice și a materialelor compozite metal-metal - IUG Progresul Brăila.
37. **Contract nr. 21/1989** - Cercetări privind tehnologia de obținere a unor benzi bimetalice oțel-bronz, destinate execuției bușelor cilindricilor hidraulici -IUG Progresul Brăila.
38. **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.

39. **Contract nr.38/87** -Cercetări privind stabilirea tehnologiei de tratament termic pentru tablele din oțel carbon și aliate destinate industriei de automobile - ILT Galați.
40. **Contract nr.61/1985** -Cercetări privind structura metalografică a tablelor din oțeluri tratate termic pentru îmbunătățirea calității acestora.- ILT Galați.
41. **Contract nr.50/1985** -Studii și cercetări privind stabilirea tehnologiei de obținere a pulberii de nichel de mare puritate – Regionala C.F.R Galați
42. **Contract nr.66/1984** –Cercetări privind determinarea susceptibilității la fragilizarea prin hidrogen a oțelurilor. –ILT Galați.
43. **Contract nr.66/1984.** Realizarea unei instalatii si stabilirea metodei pentru determinarea susceptibilitatii la fragilizare prin hidrogen a oțelurilor. Beneficiar IUG Grivita Rosie Bucuresti
44. **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 hirtie –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.–Mitoșeriu Olga, Drugescu Elena, Potecașu Octavian, **Potecașu Florentina**, Enache Lidia - Santierul Naval Constanta
2. **Contract nr.170/10997.** Expertizarea fragmentelor cutitului de ghilotina FDB 10.30. pentru stabilirea cauzelor ruperii in exploatare – Dima Ovidiu, **Potecașu Florentina**; MET CHIM S.A. Galati.

Patent

1. Galvanizing process thin steel strips in zinc baths with complex micro-bismuth-cadmium tin- nickel
Patent Number: RO127103-A2; RO127103-B1
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=6&log_event=yes&viewType=fullRec ord&SID=Y184R5AqdkFGkyZiTeT&product=UA&doc=3&search_mode=OneClickSearch
2. [Metal powder prodn. having specific parameters|consists of anodic deposition of hydroxide, atomisation by centrifugation, for redn. by hydrogen@.](#) Patent Number: RO101872-A
Authors:: [Dumitrescu T](#), [Radu T](#), [Balint L](#), [Potecasu F](#), [Constantinescu S](#), [Vasilescu E](#)
http://apps.whoofknowledge.com/full_record.do?colName=DIIDW&recordID=1993025134&page=3&qid=8&log_event=yes&viewType=fullRec ord&SID=Y184R5AqdkFGkyZiTeT&product=UA&doc=24&search_mode=OneClickSearch
3. Taru Neculai Stefa, Radu Tamara, Vlad Maria, Potecasu Florentina, Ciocan Anisoara, Constantinescu Stela, Balint Lucica, Istrate Gina Genoveva, Potarniche Carolina, Statescu Sorin, Tehnologii de acoperire a benzilor subtiri din otel cu strat nanocompozit Ni-P-Al2O3, proprietar Galfinband SA, OSIM, Romania, Nr. si data inregistrarii A/00800/10.11.2015

10.12.2016, Galati

Prof. univ. dr.ing. Florentina POTECASU

