

LISTA DE LUCRĂRI

Numele și prenumele: PERJU MANUELA-CRISTINA

A. Teza de doctorat : Cercetări privind obținerea și caracterizarea stratelor dure depuse pe suporti din fontă folosind metode alternative de depunere

C. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

1. Dan-Gelu Gălușcă, **Manuela-Cristina Perju**, Dragoș-Cristian Achiței, Carmen Nejneru, *Tratamente termochimice*, Editura Tehnopress, ISBN 978-606-687-287-4, pagini 262, (2016).
2. Irina Lăzărescu, Carmen Nejneru, Dan-Gelu Gălușcă, Maricel Agop, **Manuela-Cristina Perju**, Dragoș Lăzărescu, *Tratarea suprafețelor metalice utilizând o nouă tehnologie duplex*, Editura Tehnopress, ISBN 978-606-687-226-3, pagini 271, (2015).
3. Carmen Nejneru, Mihai Axinte, Iulian Ioniță, **Manuela-Cristina Perju**, *Aspecte ale nitrurării ionice*, Editura Tehnopress, ISBN 978-606-687-063-4, pagini 284, (2014).
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F. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1. Catalin-Andrei Tugui, Petrica Vizureanu, **Manuela-Cristina Perju**, Carmen Nejneru, Bogdan Istrate, Adriana Savin, *Investigations of Thin Films Obtained by Plasma Jet Method on a Stainless Steel Used in Turbine Blades Construction*, Key Engineering Materials, Volumul 750, (2017).
2. Adriana Balan, **Manuela Cristina Perju**, Carmen Savin, Simona Stoleriu, Alexandrina Muntean, *Effect of Zinc Oxide-Eugenol Materials on Resin-Based Restorative Materials Hardness*, Materiale Plastice, 53 Issue: 2 Pages: 312-315, 2016, FI: 0.903.
3. Nejneru Carmen, **Perju Manuela Cristina**, Andrei Victor Sandu, Mihai Axinte, Marta Quaranta, Ion Sandu, Maria Costea, Mohd Mustafa Al Bakri Abdullah, *Corrosion Behaviour of Tin Bronze*

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4. **Perju M.C.**, Tugui C.A., Nejneru C., Axinte M., Vizureanu, P., *ESD morphology deposition with WZr8 electrode on austenitic stainless steel support*, IOP Conference Series-Materials Science and Engineering, Volume: 133, (2016).
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7. Mihai Axinte, Carmen Nejneru, **Manuela-Cristina Perju**, Andrei Victor Sandu, Marinela-Delia Aelenei, Maria Costea, *Corrosion Behaviour of Some Steels in Black Sea Water*, REV. CHIM. (Bucharest), 66, No. 11, 2015, FI: 0,956.
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14. Carmen Nejneru, Mihai Axinte, Petrică Vizureanu, **Manuela-Cristina Perju**, Ion Hopulele, *Polarised screen influence on plasma discharge stability for plasma nitriding technique*, Metalurgia International, vol.XVIII, special issue, no.5, ISSN 1582-2214, p. 117-120, (2013).
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36. Vizureanu Petrică, Samoilă Cornel, Achiței Dragoș Cristian, **Perju Manuela Cristina**, Ștefănică Roxana Gabriela, Cofas Daniel, *Interdisciplinary researches of the potential limits for the solar energy in solids on heating-melting range*, *The 14-th International Conference: Modern Technologies, Quality and Innovation, ModTech, 20-22 May, Slănic Moldova, România*, pg.671-674, ISSN 2066-3919, (2010).
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42. **Perju Manuela**, Nejneru Carmen, Răileanu Tudor, Axinte Mihai, Hopulele Ion, *Researches concerning the hardening of the grey cast iron through the vibrating electrode method using a WC electrode and in combination with TiC and Ti electrode*, *The Annals of “Dunărea de Jos” University of Galați*, Fascicle IX. Metallurgy And Materials Science No. 1, ISSN 1453-083X, pg.55-59, (2008).

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J. Invenții.

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K. Contracte de cercetare.

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2. Contract CEEEX nr. 135/20.07.2006, subcontract 3_413/2006: Dezvoltarea de noi concepte privind sinteza de materiale avansate prin combustie - CVD in câmp electromagnetic (SINTELMAT), MEMBRU.
3. Tehnologii inovative și ecologice de placare net-shape cu materiale performante a pieselor metalice de revoluție (tip arbore și bucușă), prin deformare plastică de înaltă precizie la rece - Contract PARTENERIATE nr. 71-085/2007, MEMBRU.
4. Cercetări privind realizarea unei noi clase de aliaje Al-Cu-Mn și realizarea unui standard de oboseală termomecanică destinat aliajelor cu memoria formei (X-MEM) - Contract PARTENERIATE nr. 72-161 / 2008, MEMBRU.
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L. Premii, distincții.

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9. Premiul I la Sesiunea Tinerilor Doctozanzi, ROMAT Junior, secțiunea Tehnologii Inovative în Domeniul Materialelor Avansate (Sustenabile), București, 2008.
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11. Premiul III la concursul de proiecte din cadrul Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial pentru Dezvoltarea Resurselor Umane 2007 – 2013, titlul proiectului: Specializarea personalului didactic universitar pentru funcția de supervisor de practică tehnologică și de cercetare, cod contract: 57/1.3/S/17884.

M. Alte realizări semnificative.

1. Expert Tehnic Judiciar în Ministerul Justiției
2. Cercetător asociat la Centrul de Excelență Geopolymer & Green Technology, Universiti Malaysia Perlis

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