

Lista de lucrări în domeniul de studii universitare de licență - Ingineria materialelor

Numele și prenumele: **CHICET DANIELA-LUCIA**

A. Teza de doctorat. "Studii asupra creșterii durabilității lagarelor prin utilizarea depunerilor de straturi subțiri prin pulverizare termică"

B. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

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

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

Corneliu Munteanu, **Daniela Chicet**, Ionuț Bistricianu, *Studiul materialelor. îndrumar de laborator*, Editura Universitas XXI, Iași, 2010, 128 pagini, ISBN: 978-606-538-057-8.

E. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

F. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

1.Pricop Bogdan, Söyler Umut, Lohan Nicoleta, Özkal Burak, Bujoreanu Leandru, **Chicet Daniela**, Munteanu Corneliu, *Thermal behavior of mechanically alloyed powders used for producing an Fe-Mn-Si-Cr-Ni shape memory alloy*, JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE (submitted 27 September 2011), ISSN 1059-9495, DOI: 10.1007/s11665-012-0168-5.

2.Pricop Bogdan, Söyler Umut, Lohan Nicoleta, Özkal Burak, **Chicet Daniela**, David A., Bujoreanu Leandru, *Mechanical alloying effects on the thermal behaviour of a Fe-Mn-Si-Cr-Ni shape memory alloy under powder form*, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Vol.5, Issue: 5-6, 555-561, May 2011.

3.Tanasa, Diana; Vranceanu, Narcisa; Nistor, Alexandra; Hristodor, Claudia Mihaela; Popovici, Eveline; Bistricianu, Ionut Lucian; Brinza, Florin; **Chicet, Daniela-Lucia**; Coman, Diana; Pui, Aurel; Grigoriu, Ana Maria; Broasca, Gianina, *Zinc oxide-linen fibrous composites: morphological, structural, chemical and humidity adsorptive attributes*, TEXTILE RESEARCH JOURNAL, Volume 82, issue 8 (December 2012), p. 832-844, ISSN: 0040-5175 DOI: 10.1177/0040517511435068, SAGE Publications

4.Elena-Raluca Baci, **Daniela Chicet**, Mihai Mareș, Corneliu Munteanu, Constantin Baci, Norina-Consuela Forna, *Influence of finishing techniques of non-noble alloys used in prosthetic restoration on candida albicans biofilm development*, Environmental Engineering and Management Journal, Vol.11, No.5, 1015-1022 (2012)

5. Zegan, G. Cimpoesu, R., Agop, M., Stirbu, I., Chicet, D. L., Istrate, B., Alexandru, A. Prisacariu, B. A, *Improving the HA deposition process on Ti-based advanced alloy through sandblasting*, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, 2016, Vol 10, Issue: 3-4, 279-284.

G. Lucrări științifice publicate în reviste din străinătate.

1. Eugen Enculescu, Dragos Paraschiv, Sorin Popa, Ionel Sarbu, Nutu Gelu, **Daniela Chicet**, *Research on the active parts of the blades hardening of grain harvesters, forage and industrial crops*, International Journal of Academic Research, Vol.2, No.6, Part II, 277-283, ISSN 2075-4124 (2010)

H. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS.

1. **Daniela Chicet**, *Thermal spraying – What is it?*, Buletinul Institutului Politehnic din Iasi, Tomul LV(LIX), Fasc.4A, Sectia Stiinta si Ingineria Materialelor, 77-82, ISSN 1453-1490. (2009)

2. Daniela Chicet, Ionut Bistricianu, Catalina Axinte, Corneliu Munteanu, *APS coatings used to improve life of bearings*, Buletinul Institutului Politehnic din Iasi, Tomul LVI(LX), Fasc.4A, Sectia Constructii de Masini, 81-86, ISSN 1011-2855. (2010)
3. Catalina Axinte, **Daniela Chicet**, Ionut Bistricianu, Corneliu Munteanu, *Materials specific to gears used in automotive industry*, Buletinul Institutului Politehnic din Iasi, Tomul LVI(LX), Fasc.4A, Sectia Constructii de Masini, 11-16, ISSN 1011-2855. (2010)
4. Ionut Bistricianu, **Daniela Chicet**, Catalina Axinte, Corneliu Munteanu, *Wear test and analysis for CP-Ti air oxidized samples*, Buletinul Institutului Politehnic din Iasi, Tomul LVI(LX), Fasc.4A, Sectia Constructii de Masini, 47-52, ISSN 1011-2855. (2010)
5. Eugen Enculescu, Dragos Paraschiv, Ionut Bistricianu, **Daniela Chicet**, Sorin Popa, *Influence of heat treatment on microstructure of the material used to manufacture blades in machines for harvesting grain, plants and fodder*, Buletinul Institutului Politehnic din Iasi, Tomul LVI(LX), Fasc.4B, Sectia Constructii de Masini, 381-388, ISSN 1011-2855. (2010)
6. **Daniela Chicet**, Corneliu Munteanu, Ionut Bistricianu, Dorin Lemne, *The influence of APS parameters on substrate*, Buletinul Institutului Politehnic din Iasi, Tomul LVII(LXI), Fasc.1, Sectia Constructii de Masini, 153-162, ISSN 1011-2855. (2011)
7. Ionut Bistricianu, Corneliu Munteanu, **Daniela Chicet**, Tarnauceanu Alexandru, *Some analysis of the zirconia layer deposited on a NiCrCo substrate*, Buletinul Institutului Politehnic din Iasi, Tomul LVII(LXI), Fasc.1, Sectia Constructii de Masini, 135-142, ISSN 1011-2855. (2011)
8. Constantin Barbanta, Corneliu Munteanu, Axinte Catalina, **Daniela Chicet**, Andreea Barbanta, *The influence of the metallographic characteristics of R7T steel on rail wheels durability*, Buletinul Institutului Politehnic din Iasi, Tomul LVII(LXI), Fasc.2, Sectia Constructii de Masini, 145-150, ISSN 1011-2855. (2011)
9. Carmen Bujoreanu, Viorel Paleu, **Daniela Chicet**, *Scuffing failing analysis of a ball bearing*, Buletinul Institutului Politehnic din Iasi, Tomul LVII(LXI), Fasc.1, Sectia Constructii de Masini, 143-152, ISSN 1011-2855. (2011)

I. Lucrări științifice publicate în volumele conferințelor.

1. Corneliu Munteanu, George-Radu Pipa, Constantin-Ioan Barbanta, Peter Lorenz, **Daniela-Lucia Chicet**, Andreea-Carmen Barbanta, Catalina Axinte, *A railway fracture expertises using the electronic microscopy*, Proceedings of The 15th International Conference ModTech, Chisinau, Vol. II, 729-732, ISSN 2069-6736. (2011)
2. Diana Tanasa, Narcisa Vranceanu, Claudia-Mihaela Hristodor, Eveline Popovici, Diana Coman, Florin Branza, Ionut Lucian Bistricianu, **Daniela Lucia Chicet**, *A comparative approach towards the degradative potential of two different nanophotocatalysts onto a model textile dye*, Lucrările Conferinței Internaționale Tehnologii și Materiale Avansate UgalMat 2011, 21 - 22 Octombrie 2011, Universitatea Dunărea de Jos, Galați, Romania, 217-223, ISSN 1843- 5807, (2011)
3. Corneliu Munteanu, **Daniela-Lucia Chicet**, Ionut-Lucian Bistricianu, Geanina-Laura Pintilei, *Innovative character of plasma spray deposition*, Proceedings of the 1st International Conference QIEM, Cluj-Napoca, ISBN 978-973-662-614-2 (2011), and published in ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS AND MECHANICS, Nr.54-Vol II, pag. 384 , ISSN 1221-5872, (2011).
4. Bujoreanu Carmen, **Chicet Daniela**, Thermal aspects of the scuffing mechanism in rolling contacts, TEHNOMUS 2013, vol 20, pp 215-220, ISSN-1224-029X. (2013)
5. A. Tugui, M. Axinte, C. Nejneru, P. Vizureanu, M.C. Perju and **D.L. Chicet**, *Active Screen Plasma Nitriding Efficiency and Ecology*, Applied Mechanics and Materials, Volume 657, 2014, Pages 369 - 373, IMANE 2014, Chisinau, Rep. Moldova, 29-30 February 2014.
6. **Chicet Daniela – Lucia**, Munteanu Corneliu, Cojocar – Filipciuc Vasile, *Influence of Cooling Rate on Metallographic Structure for Gray Iron, in the Case of Modification with a Mechanical Mixture of Al and FeSiCaMg*, Applied Mechanics and Materials, Volume 659, 2014, Pages 51-56, ACME 2014, Iași, România, 12-13 June 2014.

7. **Chicet Daniela – Lucia**, Cojocaru – Filipiuc Vasile, *Silicon Influence on the Cast Iron Structure*, Applied Mechanics and Materials, Volume 659, 2014, Pages 46-50, ACME 2014, Iași, România, 12-13 June 2014.
8. Adoroaei Cristian George, Axinte Mihai, **Chicet Daniela-Lucia**, Stanciu Sergiu, *Microalloying influence on hot work tool steel properties*, Applied Mechanics and Materials, Volume 659, 2014, Pages 3 - 9, ACME 2014, Iași, România, 12-13 June 2014.
9. Gîrneț, A.I., **Chicet, D.-L.**, Axinte, M., Stanciu, S., Hopulele, I., *White cast irons with acoustic properties*, Applied Mechanics and Materials, Volume 659 (2014), Pages 81 - 84, ACME 2014, Iași, România, 12-13 June 2014.
10. PAULIN, Constantin; **CHICET, Daniela**; ISTRATE, Bogdan; AVRAM, Petru; MUNTEANU, Corneliu, *A Study on Wear Behaviour of NiCrBSi Flame Sprayed Coatings*, Advanced Materials Research . 2015, Vol. 1128, p332-337.
11. Florea Costel, Bejinariu Costică, Paleu Viorel, **Chicet Daniela**, Carcea Ioan, Alexandru Adrian, Cimpoesu Nicanor, *Chromium Addition Effect on Wear Properties of Cast-Iron Material*, Applied Mechanics and Materials Vols. 809-810 (2015) pp 572-577.
12. Florea, C., Costică Bejinariu, Ioan Carcea, Viorel Paleu, **Daniela Chicet**, Nicanor Cimpoesu, *Preliminary Results on Microstructural, Chemical and Wear Analyze of New Cast Iron with Chromium Addition*, Key Engineering Materials Vol. 660, 2015 Pages 97-102, ICIR 2015; Iași; România; 14 - 16 May 2015.
13. Nuțescu Duduman, Catalina; Barrena Pérez, María Isabel; Gómez de Salazar, José Maria; Carcea, Ioan; **Chicet, Daniela Lucia**; Palamarciuc, Ion, *Synthesis of SnO₂ by Sol-Gel method*, 2016, Solid State Phenomena, Vol. 254, Pages 200-206, AMS 2015; Timișoara; Romania; 16 October 2015 through 17 October 2015.
14. Gîrneț, A., Stanciu, S., **Chicet, D.**, Axinte, M., Goanță, V., *Correlation of mechanical properties with the acoustic properties in case of an experimental white cast iron*, IOP Conference Series: Materials Science and Engineering, Vol. 147, Issue 1, September 2016, Art. no. 012035, ACME 2016, Iași, România, 9-10 June 2016.
15. Panțuru, M., **Chicet, D.**, Paulin, C., Alexandru, A., Munteanu, C., *Wear aspects of internal combustion engine valves*, IOP Conference Series: Materials Science and Engineering, Vol. 147, Issue 1, September 2016, Art. no 012036, ACME 2016, Iași, România, 9-10 June 2016.
16. Paulin, C., **Chicet, D.L.**, Istrate, B., Panțuru, M., Munteanu, C., *Corrosion behavior aspects of Ni-base self-fluxing coatings*, IOP Conference Series: Materials Science and Engineering, Vol. 147, Issue 1, Sept. 2016, Art. no 012034, ACME 2016, Iași, România, June 2016
17. Crăciun, R.C., Stanciu, S., Cimpoesu, R., Ursanu, A.I., Manole, V., Paraschiv, P., **Chicet, D.L.**, *Metallic materials for mechanical damping capacity applications*, IOP Conference Series: Materials Science and Engineering, Vol. 147, Issue 1, September 2016, Art. no 012031, ACME 2016, Iași, România, 9-10 June 2016.
18. Enculescu, E., **Chicet, D.L.**, Dia, V., Stanciu, S, *Study on fatigue resistance of low alloy steels with Mo and Cr*, IOP Conference Series: Materials Science and Engineering, Vol. 145, Issue 7, August 2016, Art. no. 072006, ModTech 2016, Iași, România, 15-18 June 2016.
19. Istrate, B., Munteanu, C., Matei, M.N., Oprisan, B., **Chicet, D.**, Earar, K., *Influence of ZrO₂-Y₂O₃ and ZrO₂-CaO coatings on microstructural and mechanical properties on Mg-1,3Ca-5,5Zr biodegradable alloy*, May 2016, IOP Conference Series: Materials Science and Engineering, Vol. 133, Issue 1, Art. no. 012010, ICIR 2015; Iași; România; 19 - 20 May 2016.
20. Paulin, C., **Chicet, D.**, Paleu, V., Benchea, M., Lupescu, Ș., Munteanu, C., *Dry friction aspects of Ni-based self-fluxing flame sprayed coatings*, (2017) IOP Conference Series: Materials Science and Engineering, 227 (1), art. no. 012091, DOI: 10.1088/1757-899X/227/1/012091
21. **Chicet, D.**, Tufescu, A., Paulin, C., Panuru, M., Munteanu, C., *The Simulation of Point Contact Stress State for APS Coatings*, (2017) IOP Conference Series: Materials Science and Engineering, 209 (1), art. no. 012044, DOI: 10.1088/1757-899X/209/1/012044
22. Gârnet, I.A., Stanciu, S., Hopulele, I., Zaharia, M.G., Cimpoesu, N., **Chicet, D.L.**, Crăciun, R.C., *Experimental Equipment for Damping Capacity Analyze of High or Low Internal Friction Metallic Materials*, (2017) IOP Conference Series: Materials Science and Engineering, 209 (1), art. no. 012047, DOI: 10.1088/1757-899X/209/1/012047

23. Florea, C., Bejinariu, C., Carcea, I., Cimpoesu, N., **Chicet, D.L.**, Savin, C., *Obtaining of High Cr Content Cast Iron Materials*, (2017) IOP Conference Series: Materials Science and Engineering, 209 (1), art. no. 012046, DOI: 10.1088/1757-899X/209/1/012046

24. Pañțuru, M., **Chicet, D.**, Paulin, C., Lupescu, Ș., Munteanu, C., *Microstructural aspects of TBC`s deposited on internal combustion engine valve materials*, (2017) Materials Science Forum, 907 MSF, pp. 151-156, DOI: 10.4028/www.scientific.net/MSF.907.151

25. Stescu, C., Munteanu, C., Luca, D., Istrate, B., Benchea, M., **Chicet, D.**, Oprisan, B., *Increasing wear resistance of power steering pump cam using Ni-Cr-Fe and Ni-Cr-Fe-B coatings* (2017) Materials Science Forum, 907 MSF, pp. 145-150, DOI: 10.4028/www.scientific.net /MSF.907.145

J. Invenții.

Brevet de invenție nr. 125206 - *FORMA DE MODIFICARE A FONTEI*, Cojocaru-Filipiuc Vasile, Barbu Gelu, Stanciu Sergiu, Diaconescu Florin, **Chicet Daniela**

K. Contracte de cercetare.

L. Premii, distincții.

M. Alte realizări semnificative.

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* Conform H.G. 1175/ 2006