

LISTA

lucrărilor științifice

A. Teza de doctorat

A1. **CERCETĂRI PRIVIND FENOMENUL DEMODIFICĂRII SUPERFICIALE A PIESELOR TURNATE DIN FONTĂ**, Universitatea POLITEHNICA din Bucuresti, 2014.

B. Cărți și capitole în cărți

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C. Lucrări publicate indexate ISI/BDI

C1. **D. Anca**, M. Chisamera, S. Stan, I.Stan*, I. Riposan, Sulfur and Oxygen Effects on High-Si Ductile Iron Casting Skin Formation, COATINGS, Volume: 10 Issue: 7 Pages: 618-618, Published: JUL 2020, Accession Number: Wos:000557659100001, [ISI-Web of Science /Scien. Cit.Index Exp.], Q2, <https://doi.org/10.3390/coatings10070618>

C2. **D. Anca**, M. Chisamera, S. Stan, I.Stan*, I. Riposan, Control of the Mg-Treated Iron Casting Skin Formation by S-Diffusion Blocking at the Metal-Mould Interface, COATINGS, Volume: 10 Issue: 7 Pages: 680-680, Published: JUL 2020, Accession Number: Wos:000556367100001, [ISI-Web of Science /Scien. Cit.Index Exp.], Q2, <https://doi.org/10.3390/coatings10070680>

C3. **D. Anca**, M. Chisamera, S. Stan, I. Riposan. Graphite degeneration in the superficial layer of high Si-ductile iron casting as influence of inoculation and protective coating against sulphur diffusion into the iron melt. Journal of Materials Research and Technology. [J. Mater. Res. Technol]. Received at Editorial Office 10 Aug 2019; Article revised 22 August 2019; Article accepted for publication 23 Aug 2019. Available On-line 13 September 2019. DOI: <https://doi.org/10.1016/j.jmrt.2019.08.039>; 2019, Vol. 8, Issue 6, pp. 5160-5170. Accession Number: WOS:000501576400011. IF=5.289 (2019, publicat June 2020)-la publicare (published June 2020) Publisher ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS ; ISSN: 2238-7854; eISSN: 2214-0697, Q1;

C4. **D. Anca**, M. Chisamera, S. Stan, I. Riposan*, Graphite degeneration in high Si, Mg-treated iron castings – sulfur and oxygen addition effects, 2019, International Journal of Metalcasting, DOI: <https://doi.org/10.1007/s40962-019-00385-2>, ISSN 1939-5981, Published on-line: 18 November 2019; Volume 14, Issue 3, pp. 663-671, 2020. *Corresponding Author. IF=1.347 (June 2020). Accession Number: WOS: 000543460800006;

C5. **Denisa Anca**, Elena Panciu, Mihai Chișamera, The Influence of Sulphur and Oxygen Additions in Mg-Treated Iron on The Cooling Curves Parameters. 5th International Conference on Advanced Materials and Structures - AMS '13, Timișoara, 24 - 25 October 2013, pp 49-54, Solid State Phenomena, ISSN: 1012-0394, ISSN/ISO: Solid State Phenomena, 2014. Trans Tech. Publications, Switzerland, DOI: 10.4028/www.scientific.net/SSP.216.49, Accession Number: WOS:000347924100009. Recenzii/Indexari: ISI (ISTP, CPCI, Web of Science), Elsevier SCOPUS, Ei Compendex (CPX), Cambridge Scientific Abstracts (CSA), Chemical Abstracts (CA), Institution of Electrical Engineers (IEE), Google Scholar;

C6. **Denisa Anca**, Mihai Chișamera, Graphite Morfology in Mg Treated Iron-Sulphur and Oxygen Effect, Metalurgia International, Vol. XVIII, No. 5, 2013, pp. 37-42, ISSN 1582-2214. 8th International

Conference on Materials Science & Engineering – BraMat 2013, 28 February – 2 March 2013, Braşov, România, Accession Number: WOS:000315611900007 [ISI-Web of Science/Science Citation Index Expanded] Recenzii/Indexari: SCOPUS;

C7. Elena Panciu, **Denisa Anca**, The Influence of Pouring Temperature and The Filling Level of the Cup Samples on the Cooling Curves Parameters at Cast Iron Solidification, Advanced Materials Reseach, Vol 1128, 2015, pp 26-34, ISSN 1662-8985. The 9th International Conference on Materials Science and Engineering – BraMat2015, 5-7 March 2015, Braşov. Solid State Phenomena, ISSN: 1012-0394, ISSN/ISO: Solid State Phenomena, 2014. Trans Tech. Publications, Switzerland, <https://doi.org/10.4028/www.scientific.net/AMR.1128.26> Recenzii/Indexari: CSA-CAMBRIDGE SCIENTIFIC ABSTRACTS;

C8. **Denisa Anca**, Elena Panciu, Mihai Chişamera, The Influenceo Different Coatings on the Graphite Degeneration in the Superficial Layer of Iron Castings . UgalMat 2014, 29 – 31 May 2014, Galaţi, România; The annals of “Dunarea de jos” University of Galati. Fascicle IX. Metallurgy and Materials Science N0.2– 2014. ISSN 1453 – 083X, pp. 68-72. CNCSIS Code: 215 [B+]. Recenzii/Indexari: CSA-CAMBRIDGE SCIENTIFIC ABSTRACTS, EBSCO, COPERNICUS;

C9. Elena Panciu, **Denisa Anca**, Mihai Chişamera, The Influence of Silicon on the Phase Quantities Resulted on the Grey Cast Iron Solidification. New Trends in Environmental and Materials Engineering International Conference, TEME 2013, 28 – 30th October 2013, Galaţi, România; The annals of “Dunarea de jos” University of Galati. Special issue, TEME 2013. ISSN 1453 – 083X, pp. 42-48. CNCSIS Code: 215 [B+]. Recenzii/Indexari: CSA-CAMBRIDGE SCIENTIFIC ABSTRACTS, EBSCO, COPERNICUS;

C10. **Denisa Anca**, Elena Panciu, Mihai Chişamera, The Influence of Modifying Potential in the Superficial Layer of the Iron Castingst. New Trends in Environmental and Materials Engineering International Conference, TEME 2013, 28 – 30th October 2013, Galaţi, România; The annals of “Dunarea de jos” University of Galati. Special issue, TEME 2013. ISSN 1453 – 083X, pp. 23-27. CNCSIS Code: 215 [B+]. Recenzii/Indexari: CSA-CAMBRIDGE SCIENTIFIC ABSTRACTS, EBSCO, COPERNICUS;

C11. Lavinia Marilena Harcea, **Denisa-Elena Anca**, Valentin Uţă, Iulian Riposan, Structural Characteristics of Re-Inoculated Grey Cast Irons, Scientific Bulletin of University „Politehnica” of Bucharest, Series B, Vol. 75, Iss. 2, 2013, pp. 99-108, ISSN 1454-2331, Categoria B+, cod CNCSIS 50. Indexari Revista - BDI: INSPEC; SCOPUS, CAMBRIDGE SCIENTIFIC ABSTRACTS, CHEMICAL ABSTRACTS, METAL ABSTRACTS, ENGINEERING VILLAGE, PUBLICATION IN ENGINEERING, COMPENDEX, METADEX.

C12. **D. Anca**, M. Chisamera, S. Stan, Riposan I, I.Stan, Experimental Study Regarding the Possibility of Blocking the Diffusion of Sulfur at Casting-Mold Interface in Ductile Iron Castings, COATINGS, Vol. 11, Iss 6, 2021, DOI: 10.3390/coatings11060673, WOS:000665363600001, Q2.

C13. I.Stan, **D. Anca***, S. Stan, Riposan I, Solidification Pattern of Si-Alloyed, Inoculated Ductile Cast Irons, Evaluated by Thermal Analysis, METALS, Volume: 11, Issue: 5, Article Number: 846, DOI: 10.3390/met11050846, 2021, WOS:000662601100001, Q2, *Corresponding Author.

D. Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate)

D1. **Denisa Anca**, Iuliana Stan, Mihai Chisamera, Stelian Stan, Iulian Riposan, Sulphur Diffusion Blocking at the Metal-Mould Interface - Key Role in Graphite Degeneration Prevention in Mg-treated Cast Irons, International Conference on Materials Science and Technologies -RoMAT 2020, 26-27 of November 2020, Bucharest, Romania;

D2. **Denisa ANCA**, Iuliana STAN, Mihai Chisamera, Iulian Riposan, Stelian Stan, Experimental Study Regarding the Possibility of Blocking the Diffusion of Sulfur at Casting-Mould Interface in Ductile Castings Irons, 8th International Conference on Advanced Materials and Structures, 9 october 2020, Timisoara, Romania;

- D3. **Denisa Anca**, Iuliana Stan, Mihai Chisamera, Iulian Riposan, Stelian Stan, Experiments regarding the possibility of blocking sulphur diffusion at casting-mould interface in order to limit the graphite degeneration in the superficial layer of compacted graphite castings, International Conference on Inovative Research- ICIR EUROINVENT 2020, Iasi, Ramania;
- D4. Iuliana Stan, **Denisa Anca**, The influence of heat accumulation coefficient and casting temperature on the macro and micro-structure of solidification, International Conference on Inovative Research- ICIR EUROINVENT 2020, Iasi, Ramania;
- D5. **Denisa Anca**, Mihai Chisamera, Stelian Stan, Iulian Riposan, Graphite degeneration in High Si, Mg-treated iron castings – sulphur and oxygen addition effects, 2nd Carl Loper CAST IRON SYMPOSIUM [Latest Advances and Application on Cast Iron], September 30th and October 1st 2019, Bilbao, Spain [www.azterlan.es];
- D6. **Denisa Anca**, Mihai Chișamera, Stelian Stan, Iulian Riposan, Role of Sulphur in Graphite Degeneration in the Superficial Layer of High Si, Mg - treated Cast Irons, EUROMAT2019 [European Congress and Exhibition on Advanced Materials and Processes], 1-5 September 2019, Stockholm, Sweden, Symposia: B9. Advanced Cast Irons, ID: 13299, E-Poster [http://euromat2019.fems.eu];
- D7. **Anca Denisa-Elena**, Mihai Chișamera, Graphite Morfology in Mg Trated Iron, Editia a II-a a workshopului tematic – Tendințe noi în Procesarea Materialeleor Metalice, 21-22 Martie 2019, București, România;
- D8. **Anca Denisa-Elena**, Cercetări privind posibilitățile de reducere a efectului de demodificare superficială prin utilizarea unor vopsele de protecție. Editia a I-a a workshopului tematic – Tendințe noi în Procesarea Materialeleor Metalice, 10 Decembrie 2018, București, România.
- D9. Elena Panciu, **Anca Denisa-Elena**, The Influence of Pouring Temperature and the Filling Level of the Cup Samples on the Cooling Curves Parameters at Cast Iron Solidification. The 9th International Conference on Materials Science and Engineering – BraMat2015, 5-7 March 2015, Brașov, România, Paper;
- D10. **Anca Denisa-Elena**, E. Panciu, M. Chișamera, The influence of different coatings on the graphite degeneration in the superficial layer of the iron. The VI th edition of international conference UgalMat2014, 29 – 30th May 2014, Galati, Romania, Paper P6.
- D11. **Anca Denisa-Elena**, E. Panciu, M. Chișamera, The Influence of Modifying Potential on the Graphite Morphology in the Superficial Layer of the Iron Castings. New Trends in Environmental and Materials Engineering International Conference, TEME 2013, 28 – 30th October 2013, Galati, Romania, Paper P33.
- D12. E. Panciu, **Anca Denisa-Elena**, M. Chișamera, The Influence of Silicon on the Phase Quantities Resulted on the Grey Cast Iron Solidification. New Trends in Environmental and Materials Engineering International Conference, TEME 2013, 28 – 30th October 2013, Galati, Romania, Paper P6.
- D13. **Anca Denisa-Elena**, E. Panciu, M. Chișamera, The Influence of Sulphur and Oxigen Additions in Mg-treated Iron on the Cooling Curves Parameters. 5th International Conference on Advanced Materials and Structures - AMS '13, 24 - 25 October 2013, Timișoara, România, Paper P03.
- D14. **Anca Denisa-Elena**, M. Chișamera, Graphite Morfology in Mg Trated Iron-Sulphur and oxygen effect. 8th International Conference on Materials Science & Engineering – BraMat 2013, 28 February – 2 March 2013, Brașov, România, Paper I.P.1.
- D15. L. Harcea, **Anca Denisa-Elena**, V. Uță. The Influence of the Holding Period on the Modifying Effect Concerning Grey Cast Iron, prezentare în plen, Conferință: INnovation and Collaboration in Engineering Research, Bucharest 02-04th, July 2012.
- D16. V. Uță, L.M. Harcea, **Anca Denisa-Elena**, I. Riposan. Holding Time Influence on the Chill Tendency and Structure of Ductile Irons. CNT21-International Foundry Conference, June 2012, Iasi, Romania, Paper P4.
- D17. L.M. Harcea, **Anca Denisa-Elena**, V. Uță, I. Riposan. Structural Characteristics of Re-inoculated Grey Cast Irons. CNT21-International Foundry Conference, June 2012, Iasi, Romania, Paper P3.

D18. **Anca Denisa-Elena**, L.M. Harcea, V. Uță, M. Chișamera. Influența sulfurii și oxigenului asupra morfologiei grafitului în fontele modificate. CNT21-International Foundry Conference, June 2012, Iași, Romania, Paper P2.

D19. **Anca Denisa-Elena**. Cercetări privind fenomenul demodificării superficiale a pieselor turnate din fontă. Sesiune Științifică Doctoranzi POSDRU ID76903. Ianuarie 2014, București.