LISTA DE LUCRARI
Sl.dr.ing. Stan Iuliana

Lucrari reprezentative

1. **Stan, Iuliana**; Stefanescu, Florin; Neagu, Gigel; Bogdan, Ovidiu. **Analysis by mathematical modelling of unidirectional solidification of aluminium**, Scientific Bulletin of University „Politehnica" of Bucharest, Series B: Chemistry and Materials Science, 2015 Iss.2, ISSN 1454-2331, pp.143-154, **Wos: 000417044700018** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]
2. **Iuliana Stan**, Stelian Stan, **Influence of unidirectional solidification in Bridgman furnace on the mechanical behavior of a cast aluminum alloy**, Scientific Bulletin of University „Politehnica" of Bucharest , Series B: Chemistry and Materials Science, 2017 Iss.2, ISSN 1454-2331, pp.143-154, **Wos:000403090600014** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]
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5. **Stan, Iuliana;** Anca, D; Stan, S; 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, Published:MAY 2021, **Wos:000662601100001** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]
6. Anca, D; **Stan, Iuliana***; Chisamera, M; Riposan; Stan, S; Experimental Study Regarding the Possibility of Blocking the Diffusion of Sulfur at Casting-Mold Interface in Ductile Iron Castings, COATINGS, Volume: 11 Issue: 6 Article Number: 673, DOI: 10.3390/coatings11060673, 2021, **Wos:000665363600001**, ***Corresponding Author** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]
7. Neacsu, EL; Riposan, I; Cojocaru, AM; Stan, S; **Stan, Iuliana***, **Carbide to Graphite Transition Control by Thermal Analysis in Grey Cast Irons**, METALS, Volume: 10, Issue: 8, DOI: 10.3390/met10080993, 2020, **Wos:000567308800001**, ***Corresponding Author,** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]
8. D. Anca, M. Chisamera, S. Stan, **Iuliana Stan*,** I. Riposan, **Sulfur and Oxygen Effects on High-Si Ductile Iron Casting Skin Formation**, Coatings, Volume: 10, Issue: 7, Pages: 618-618, 2020, **Wos:000557659100001**, ***Corresponding Author** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]

9. D. Anca, M. Chisamera, S. Stan, **Stan, Iuliana***, I. Riposan, **Control of the Mg-Treated Iron Casting Skin Formation by S-Diffusion Blocking at the Metal-Mould Interface**, Coatings, Vol: 10 Issue: 7 Pages: 680-680, 2020, **Wos:000556367100001**, https://doi.org/10.3390/coatings10070680, ***Corresponding Author** Recenzii/ Indexari: [ISI-Web of Science/Science Citation Index Expanded]
10. Iulian Riposan, Stelian Stan, Denisa Anca, Eduard Stefan, **Iuliana Stan**, Mihai Chisamera**, Structure Characteristics of High-Si Ductile Cast Irons**, International Journal of Metalcasting, Volume 17, Issue 4, 2023, **Wos:000910773500002,** Recenzii/ Indexari: [ISI-Web of Science/Science Citation Index Expanded]; ***BEST SCIETIFIC PAPER AWARD – GOLD – 74th World Foundry Congress, Busan, Korea, 2022**

I. TEZA (E) DE DOCTORAT (T)

T.1 Cercetări privind posibilităţi de îmbunătăţire a proprietăţilor materialelor metalice prin dirijarea solidificării, Universitatea POLITEHNICA din Bucuresti, 2015, Conducător Ştiinţific: prof.dr.ing.Florin Ştefănescu.

II. CĂRŢI PUBLICATE (C)

Ca – Cărţi / cursuri (manuale) pentru uzul studentilor, publicate în edituri recunoscute.

Ca.1 Gabriela Popescu, **Iuliana Stan**; Aspecte teoretice si practice in prepararea minereurilor, Editura MATRIX ROM, Cod CNCIS 39; ISBN: 978-606-25-0671-1; 123 pagini;

Ca.2 Iuliana Stan, Notiuni Privind Solidificarea Aliajelor Turnate, 2016, UPB, **ISBN 978-973-0-21377-5**, 100 pagini

III. ALTE MATERIALE PUBLICATE (I, D)

I - Culegeri şi Îndrumare

I.1 Iuliana Stan, Procedee de formare în turnătorii., suport electronic curs, https://curs.upb.ro/2024/course/view.php?id=6895#section-0

I.2 Iuliana Stan, Stiinta si Ingineria Materialelor, suport electronic curs https://curs.upb.ro/2024/course/view.php?id=10581#section-0

D.3 Iuliana Stan, Prelucrări finale ale biomaterialelor, suport electronic curs, https://curs.upb.ro/2024/course/modedit.php?update=114339&return=0&sr=0

I.4 Iuliana Stan, Mecanica fluidelor, suport electronic, https://curs.upb.ro/2024/mod/folder/view.php?id=155434

I.5 Iuliana Stan, Procedee tehnologice de procesare a materialelor metalice I, suport electronic curs, https://curs.upb.ro/2024/course/view.php?id=10540#section-0

I.6 Iuliana Stan, Controlul calității și îmbunătățirea proceselor, suport electronic curs., https://curs.upb.ro/2024/course/view.php?id=6298#section-0

I.7 Iuliana Stan, Procedee de formare în turnătorii, suport electronic proiect, https://curs.upb.ro/2024/course/view.php?id=6895#section-0

I.8 Iuliana Stan, Procedee de formare în turnătorii, suport electronic laborator, https://curs.upb.ro/2024/mod/folder/view.php?id=155457

I.9 Iuliana Stan, Procedee tehnologice de procesare a materialelor metalice I, suport electronic laborator, https://curs.upb.ro/2024/course/view.php?id=10540#section-0

I.10 Iuliana Stan, Mecanica fluidelor-Aspecte teoretice si practice,suport electronic aplicatii, https://curs.upb.ro/2024/mod/folder/view.php?id=155437

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris - Reviste de specialitate de circulaţie internaţională recunoscute

Ris.1 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; **FI. 2.9; Q2**

Ris.2 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; **FI. 2.9; Q2**

Ris.3 Elena Loredana Neacsu , Iulian Riposan , Ana Maria Cojocaru , Stelian Stan and **Iuliana Stan***, *Carbide to Graphite Transition Control by Thermal Analysis in Grey Cast Irons*, Metals 2020, 10(8), 993, Published: 23 July 2020, [ISI-Web of Science /Scien. Cit.Index Exp.], **Wos:000567308800001**, https://doi.org/10.3390/met10080993, **FI. 2.6; Q2**

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Ris.11 Iuliana Stan, Denisa-Elena Anca, Iulian Riposan, Stelian Stan*, *Solidification pattern of 4.5% Si ductile iron in metal mould versus sand mould castings*, Journal of Thermal Analysis and Calorimetry, Vol.148, No. 5, 2023, DOI10.1007/s10973-022-11832-4, **Wos:000905602600005,** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]; **FI. 3.2; Q1**

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Castings, COATINGS, Volume: 11 Issue: 6 Article Number: 673, DOI: 10.3390/coatings11060673, Published:JUN 2021, Type:Article, **Wos:000665363600001,** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]; **FI. 2.9; Q2**

Ris.16 Stan, Iuliana; Anca, D; Stan, S; Riposan, I; *Solidification Pattern of Si-Alloyed, Inoculated Ductile Cast Irons, Evaluated by Thermal Analysis*, METALS, Vol: 11 Issue: 5, Article Number: 846, DOI: 10.3390/met11050846, Published:MAY 2021, **Wos:000662601100001,** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]; **FI. 2.6; Q2**

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Ris.18 Constantin Cristian Andrei, Constantin Stelian Stan, **Iuliana Stan**, Impact of material type on structural analysis performed on two wing cases, Scientific Bulletin of University „Politehnica" of Bucharest, Series B: Chemistry and Materials Science, 2024, **Wos:001301114000023,** Recenzii/Indexari: [ISI-Web of Science/Science Citation Index Expanded]; **FI. 0.3**

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Rns.1 Cătălin OPRIŢĂ, Constantin Stelian STAN, Ion ANGHEL, Adrian SIMION, **Iuliana STAN**, Beatrice OPRIŢĂ, Alexandru NOVĂCEANU, Alexandra OPRIŢĂ, Metal materials for the safety of goods and people, ANNALS of Faculty Engineering Hunedoara International journal of engineering Tome XXI 2024 Fascicule 3, B+

Rns.2 Constantin Cristian ANDREI, **Iuliana STAN**, Constantin Stelian STAN, Impact of aviation noise on health, Acta technica corviniensis - Bulletin of Engineering, Fascicule 4 / 2024

Rns.3 Fl. Ştefănescu, G. Neagu, A. Mihai, **Iuliana Stan**, I.Odagiu. *Theoretical and Practical Aspects Concerning the Unidirectional Solidification of Aluminium Alloys*. Analele Universităţii din Galaţi, Fascicula IX. Metalurgie şi Ştiinţa, Materialelor, vol1, 2013, p. 61-64, ISSN 1843-5807, categoria B+, cod 215

Rns.4 G. Neagu, Fl. Ştefănescu, A. Mihai, **Iuliana Stan**, I.Odagiu. Metallic Matrix Composites with Ceramic Particles. Wetting Conditions. Conferința Internațională UgalMat, 21-22 octombrie, Galați, 2011, ISSN 1843-5807, Analele Universităţii din Galaţi, Fascicula IX. Metalurgie şi Ştiinţa Materialelor, vol.1 2013, p. 26-30, ISSN 1843-5807, categoria B+, cod 215

Vis- Volumele unor manifestări ştiinţifice internaţionale recunoscute, organizate in ţară şi străinătate, indexate ISI

Vis.1 Stan S., Chisamera M., Riposan I., Neacsu L., Cojocaru A.M., **Stan I**,; *Technique Incorporating Cooling & Contraction/Expansion Analysis to Illustrate Shrinkage Tendency in Cast Irons*; International conference on innovative research - ICIR EUROINVENT 2017; Book

Series: IOP Conference Series-Materials Science and Engineering Volume: 209; Article Number: UNSP 012017 (1-10 pp).; DOI: 10.1088/1757-899X/209/1/01201; **Wos:000423732100017**; ISSN: 1757-8981;

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Ris.3 F. Ştefănescu, G. Neagu, A. Mihai, **Iuliana Stan**. *Controlled Temperature Distribution and Heat Transfer Process in the Unidirectional Solidification of Aluminium Alloys*, ADVANCED MATERIALS AND STRUCTURES IV, Book Series: Solid State Phenomena, Switzerland (97- 8-3-03785-391-7) Volume: 188, Pages: 314-317, Accession Number: **Wos:000308047400051**, DOI: 10.4028/www.scientific.net/SSP.188.314, 2012, Conference: 4th International Conference on Advanced Materials and Structures (AMS 2011), Proceedings Paper; Recenzii/Indexari: ISI Proceedings; ISI-Materials Science Citation Index, SCOPUS; INSPEC;

Ris.4 G. Neagu, Fl. Stefănescu, A. Mihai, **Iuliana Stan**, I.Odagiu. *Theoretical and Practical Aspects Regarding Al-SiC Particle Composites Obtained by Casting*, ADVANCED MATERIALS AND STRUCTURES IV, Book Series: Solid State Phenomena, Switzerland (97- 8-3-03785-391-7) Volume: 188, Pages: 134-139, Accession Number: **WOS:000308047400024**, DOI: 10.4028/www.scientific.net/SSP.188.314, 2012, Conference: 4th International Conference on Advanced Materials and Structures (AMS 2011), Proceedings Paper; Recenzii/Indexari: ISI Proceedings; ISI-Materials Science Citation Index, SCOPUS; INSPEC;

Vi - Volumele unor manifestări ştiinţifice internaţionale recunoscute, organizate în ţară şi străinătate;

Vi.1 I. Riposan, S. Stan, M. Chisamera, A. M. Cojocaru, L. Neacsu, E. Stefan**, I. Stan**. *Connection of the shrinkage sensitiveness of iron castings with solidification expansion/contraction and cooling curves data*. 59th International Foundry Conference & World Foundry Technical Forum, 17.09-20.09.2019, Portoroz, SLOVENIA, Invited Lecture [CD-Proceedings Book]

Vi.2 I.Stan, S.Stan, M.Chisamera, I.Riposan, Structure characteristics of silicon alloyed ductile cast irons, *58th INTERNATIONAL FOUNDRY CONFERENCE*, September 12 - 14, 2018, Portoroz, SLOVENIA, Plenary Lecture 7, SCOPUS

Vi.3 S. Stan, M. Chisamera, I. Riposan*, E. Stefan, L. Neacsu, A. M. Cojocaru, I. Stan; Integrated System of Thermal / Dimensional Analysis for Quality Control of Gray and Ductile Iron Castings Solidification, "Keith Millis " International Ductile Iron Symposium, October 23-26, 2018, Hilton Head Island, SC, USA, Proceeding Keith Millis Symposium - Ductile Iron Society, Paper No. 12, SCOPUS

Vi.4 S. Stan, M. Chisamera, I. Riposan, E. Stefan, L. Neacsu, A. M. Cojocaru, **I. Stan**. *Simultaneous thermal and contraction/expansion analyses of cast iron solidification process*.

12th European Symposium on Thermal Analysis and Calorimetry (ESTAC12), Brasov, Romania, August 2018, Paper OP1.27, SCOPUS

Vi.5 I. Riposan, D. Anca, S. Stan, **I. Stan,** M. Chisamera. *Graphite Nodularity Evaluation in High-Si Ductile Cast Irons*. The 13th European Cast Iron Meeting (ECIMM 2022), 19 – 20 May 2022, Södertälje, Sweden

Vi.6 I. Riposan, D. Anca, S. Stan**, I. Stan**, M. Chisamera. *Metal mold solidification of high-Si ductile irons / Strjevanje sive litine s kroglastim grafitom z visoko vsebnostjo Si v kovinski formi.* The 62nd International Foundrymen Conference, 14-16 September 2022, Portoroz, Slovenia (Plenary Lecture), (CD-Proceedings)

Vi.7 I. Riposan, D. Anca, S. Stan, **I. Stan**, M. Chisamera. *Structure characteristics of 4.5%Si un-inoculated ductile cast iron produced in permanent mold versus sand mold castings*. The 62nd International Conference "Solidification and Crystallization of Metals 2022", September 28-30, 2022, Gliwice, Poland (Plenary Lecture) (CD-Proceedings).

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Vi.9 I. Riposan, D.E. Anca, S. Stan**, I. Stan**, M. Chisamera*. Structure Characteristics of Si/Si-Mo Ductile Irons Solidified on a Metallic Chill*. International Symposium on the Science and Processing of Cast Iron (SPCI-XIII), June 23-26, 2024, Krakow, Poland. Book of Abstracts, Session 3, Paper No. 31.

Vi.10 I. Stan, M. Chisamera, C. Cariga, E. Stefan, S. Stan, D. Anca, I. Riposan. *Oxidation Behaviour of Inoculated Si/SiMo Spheroidal (Ductile) Cast Iron*. Proceedings of the 75th World Foundry Congress, October 25-30, 2024, Deyang, China, pp. 35-36.

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Vi.12 I. Riposan, **I. Stan**, S. Stan, D E Anca, E. Stefan, M. Chisamera. *Slightly Irregular Spheroidal Graphite (Type-V, ISO) - Typical Graphite Morphology for High-Si Ductile Cast Irons.* The 3rd Carl R. Loper Conference on Processing of Metallic Materials through Casting and Solidification, Sept. 22-25, 2024, Brasov, Romania.

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Vi.14 D. Anca, **I. Stan**, C. Cariga, R. Lascu, M. Apostol, I. Riposan, S. Stan. *The Influence of the Solidification Cooling Rate on the Structure Characteristics of High-Si Ductile Cast irons*. ROMAT2022, 2022, Bucuresti, Romania.

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Vi.17 I. Stan, D.E Anca1*, R.A. Tudoran, A. Stan, C.C. Matias (Gabor), I. Riposan, M. Chisamera, C.S. Stan and D.C. Apostol (Scarlat), *Research regarding obtaining si-alloyed ductile iron castings*, ROMAT2024, November 2024, Bucuresti, Romania

Vi.18 D.E Anca, **I. Stan*,** M. Chisamera, R.A. Tudoran, A. Stan, C.C. Matias (Gabor), I. Riposan, C.S. Stan and D.G. Petre, *Research regarding sulfur diffusion in ductile iron castings*, ROMAT2024, November 2024, Bucuresti, Romania

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Vi.20 A. E. Mihai*,* E. D. Anca, **I. Stan** and C.S. Stan, The procedure for drawing up specifications bonnet forged semi-finished products of a694 f65 with special purpose for oil and gas industry*,* ROMAT2024, November 2024, Bucuresti, Romania

V. CONTRACTE ŞI RAPOARTE ŞTIINŢIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obtinute prin competitie, pe bază de contract/grant, in tara/strainatate (**Pn** – nationale, **Pi** - internationale).

Pi.1. Effects of Al, Zr, and Ti in the nucleation process for grey iron. Contract international Nr. 1, 2003, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

Pi.2. Principal nucleation sites for ductile iron. Contract international Nr. 2, 2003, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

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Pi.4. Investigation of the optimum Al-content in grey iron as graphitizing influence. Contract international Nr. 1, 2004, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

Pi.5. Investigation of the fundamental nucleation effects of Zr in grey iron. Contract international Nr. 2, 2004, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

Pi.6. Role of Aluminium in ductile iron. Contract international Nr. 1, 2005, UPB/CEMS-

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Pi.7. SiSiCAR80 Application in Cast Iron Industry. Contract international Nr. 807, 2007, UPB/CEMS-Metalkraft AS, Norvegia, **coautor.**

Pi.8. Representative Inoculants Comparison in Low and Medium Sulphur Grey Irons. Contract international, Project ELKEM 52155-52157/2008-1, 2008-2010, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

Pi.9 Effects of Ba in comparison to Ca and Sr in grey iron. Contract international Nr. 3, 2004, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

Pi.10 Effects of rare earth's in nucleation of (low sulphur) grey iron. Contract international Nr. 2, 2005, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

Pi.11 Calcium-Barium interactions in inoculants. Contract international Nr. 3, 2005, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

Pi.12 RE Inoculants in Low Sulphur Grey Iron. Contract international, Project ELKEM 52155, 2006-2007, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia **coautor.**

Pi.13 (Ca + Ba) Inoculants in Low Sulphur Grey Iron. Contract international, Project ELKEM 52157, 2006-2007, UPB/CEMS-ELKEM ASA Foundry Products/Research, Norvegia, **coautor.**

Pn.1 STUDII SI CERCETĂRI PRIVIND SPECIFICUL SOLIDIFICĂRII FONTELOR CU GRAFIT NODULAR ALIATE CU SI/SI-MO, GNAC ARUT 2023, Contract 153/04.12.2023, ID: 520235554, **director de proiect**

Pn.2 Sistem Integrat de Analiză termică / Dimensională (ISTAQ) destinat controlului topiturilor metalice şi solidificării pieselor turnate", Contract 115 PED, 2018-2019, UEFISCDI, **coautor.**

Pn.3 Recuperarea elementelor utile din materialele compozite cu matrice metalica, Contract 619/96- 831/1997, Tema B3; 591/98/I, Tema A5; 273/99/II, Tema A2, MCT/ANSTI – UPB-CEMS, 1997-1999, **coautor.**

Pn.4 Cercetari privind obtinerea materialelor compozite cu matrice metalica si posibilitati de reciclare a acestora, Contract 619/96-273/99/II, Tema B4; 130/I/2000, Tema A4; MCT/ANSTI – UPB-CEMS, 1999 – 2000, **coautor.**

Pn.5 Cercetari privind recuperarea si refolosirea zgurelor de la prelucrarea cuprului la obtinerea de amestecuri folosite la sudarea aluminotermica a cuprului. Contract 619/96, Tema B3; 460/I/1997, Tema A3; 591/98/I, Tema A1, MCT/ANSTI – UPB-CEMS, 1996 - 1998, **coautor.**

Pn.6 Analize structuri de solidificare – Contract colaborare nr.308/2007 la contractul AMCSIT CEEX300/2006, UPB-CCSAE- UPB-CEMS, **coautor.**

Pn.7 Valorificarea superioara a deseurilor de aluminiu pentru realizarea pulberilor necesare sudurilor aluminotermice. Contract 619/96, 273/99/II, Tema B3, MCT-UPB, 1999 - 2001, **coautor.**

Pn.8 Strategii metalurgice mondiale in reciclarea automobilelor. Contract 619/96, Aditional 273/99/II, Tema B2, 1999-2001, UPB-MI/CNRM, **coautor.**

Pn.9 PN-II-IN-CI-2012-1-0067, Optimizarea procesului de prelevare a probelor de fonta in vederea analizei spectrale, SC SPECTRO SERVICE ROMANIA SRL / UPB-CEMS, **coautor.**

Pn.10 PN-II-IN-CI-2012-1-0115, "Proiectarea si realizarea unui sistem complex de dirijare a solidificarii aliajelor", SC SARGON SRL / UNIVERSITATEA POLITEHNICA DIN BUCURESTI - CENTRUL DE CERCETARE SI EXPERTIZARE MATERIALE SPECIALE, **coautor.**

Pn.11 POSDRU/183/5.1/S/153809: Somajul redus cu pregatire se tine, formator Proiect cofinantat din FONDUL SOCIAL EUROPEAN; Programul Operational Sectorial ptr Dezvoltarea Resurselor Umane; Axa prioritara 5 "Promovarea masurilor active de ocupare" Valorificarea superioara a deseurilor de materiale carbonice indigene la elaborarea fontelor de calitate. Proiect RELANSIN, 1436/2001, 2001-2003, **coautor.**

Pn.12 POSDRU/174/1.3/S/149155, Titlu proiect: „Personalul didactic din sistemul de învăţământ preuniversitar şi universitar de stat – promotor al învăţării pe tot parcursul vieţii", Beneficiar: Ministerul Educaţiei Şi Cercetării Ştiinţifice; Activitatea 3.3: Organizarea şi desfăşurarea dezvoltării profesionale a personalului didactic din învăţământ, în sprijinul învăţării pe tot parcursul vieţii, **coautor.**

VI. COMUNICĂRI ŞTIINŢIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziţii, conferinţe, etc.

E.1 Cristian ANDREI, **Iuliana STAN**, Constantin Stelian STAN, *Impactul tipului de material asupra caracteristicilor aripilor de avion*, WORKSHOP TEMATIC, Tendințe Noi în Procesarea Materialelor Metalice" – EDIȚIA a V-a, București, 14 Iunie 2024

E.2 Maria GHIRASE, **Iuliana STAN**, *Cercetări privind îmbunătățirea proprietăților fizico-mecanice ale oțelurilor aliate*, WORKSHOP TEMATIC, Tendințe Noi în Procesarea Materialelor Metalice" – EDIȚIA a V-a, București, 14 Iunie 2024

E.3 Eduard Ionuț BĂHNĂREANU, **Iuliana STAN**, Constantin Stelian STAN, *Cercetări privind prelucrarea avansată a probelor metalografice din fontă*, WORKSHOP TEMATIC, Tendințe Noi în Procesarea Materialelor Metalice" – EDIȚIA a V-a, București, 14 Iunie 2024

E.5 Iuliana Stan, Tiberiu Melencu, Iulian Riposan, Stelian Stan, AUTOMOTIVE CATALYST – PAST, PRESENT AND FUTURE, Proceedings 20th International Conference Materials, Methods & Technologies, 25.06-1.07.2018, Elenite, Bulgaria;

E.6 Tiberiu Melencu, Iulian Riposan, Stelian Stan, **Iuliana Stan**, AUTOMOTIVE CATALYST – RECYCLING OF RARE EARTH ELEMENTS, Proceedings Circular Materials Conference, 6.03-9.03.2018, Suedia;

E.7 I.Odagiu, **Iuliana Stan**, G. Neagu, Fl. Ştefănescu, A. Mihai. Materiale compozite cu matrice de aluminiu şi carbon sau particule de carburi / Aluminium Matrix Composites with Carbon or Carbide Particles. Conferinţa Naţională de Turnătorie şi Expoziţie (cu participare internaţională), ediţia a 21-a, Iaşi, 12-14 iunie 2012;

E.8 I. Odagiu, G. Neagu, Fl. Ştefănescu, A. Mihai, **Iuliana Stan**. Caracteristicile chimice şi fizice ale materialelor compozite Al-SiC / Chemical and Physical Characteristics of Al-SiC Composites. Conferinţa Naţională de Turnătorie şi Expoziţie (cu participare internaţională), ediţia a 21-a, Iaşi, 12-14 iunie 2012;

E.9 A. Mihai, Fl. Ştefănescu, G. Neagu, I. Odagiu, **Iuliana Stan**. Evaluarea materialelor compozite prin termografia în infraroşu / Composites Evaluation by Infrared Thermography. Conferinţa Naţională de Turnătorie şi Expoziţie (cu participare internaţională), ediţia a 21-a, Iaşi, 12-14 iunie 2012;

E.10 Ştefănescu, G. Neagu, A. Mihai, **Iuliana Stan** (speaker). Evaluation of Macrostructure in the Unidirectional Solidification of Aluminium. Conference on Aluminium Science and Technology, ECAA 2011, 5 - 8 October 2011, Bremen, Germania**;**

E.11 Iuliana Stan, I. Odagiu, Fl. Ştefănescu, G. Neagu, A.Mihai. Cercetări privind posibilitatea de îmbunătăţire a proprietăţilor materialelor metalice prin dirijarea solidificării / Research on Metallic Materials Properties Improvement by Controlled Solidification. Conferinţa Naţională de Turnătorie şi Expoziţie (cu participare internaţională), ediţia a 21-a, Iaşi, 12 -14 iunie 2012;

E.12 Iuliana Stan, Fl. Ştefănescu, G. Neagu, A. Mihai, I. Odagiu. Solidificarea unidirecţională a aliajelor de aluminiu /Unidirectional Solidification of Aluminium Alloys. Conferinţa Naţională de Turnătorie şi Expoziţie (cu participare internaţională), ediţia a 21-a, Iaşi, 12-14 iunie 2012;

E.13 Iuliana Stan, Florin Ştefănescu, Gigel Neagu. Cercetări privind solidificarea unidirectională a aliajelor de aluminiu. Conferinţa Naţională de Turnătorie şi Expoziţie (cu participare internaţională), ediţia a 22-a, Cluj-Napoca, 04-06 iunie 2014;

E.14 M. Chişamera, I. Ripoşan, S. Stan, N. Ivan, **Iuliana Stan,** M. Barstow. Graphite nuclei-chill-eutectic cell in iron powdertreated slightly hypereutectic grey iron.The eight international congress in materials science and engineering, ISSIM 2011,26-29.05.2011, Iasi

14.05.2025 **Stan Iuliana**