

Autorul tezei de abilitare: Prof. Dr. Ing. Miloșan Ioan

Titlul tezei de abilitare: Contribuții privind utilizarea energiei solare în vederea modificării proprietăților aliajelor speciale prin tratamente termice

Domeniul: Inginerie Industrială

LISTA DE LUCRĂRI

LUCRĂRI RELEVANTE

- 1. Milosan, I,** *Experimental Results of a Carbon Steel Analyzed Using the Grubbs Test*, RECENT, Vol. 18, no. 1(51), p. 44-48, ISSN 1582-0246, March, 2017.
- 2. Milosan, I,** *The Applying of the Romanowski Test for Identification of Data Affected by Errors*, European Scientific Journal, v. 12, n. 21, p. 18-24, ISSN: 1857-7431, doi: 10.19044/esj.2016.v12n21p18, 2016.
- 3. Milosan, I,** *Statistical Processing Of Experimental Data Using Analysis Of Variance*, Scientific Research & Education in the Air Force, AFASES, Vol. 1, p. 489-496, ISSN 2247-3173, DOI: 10.19062/2247-3173.2016.18.1., 2016.
- 4. Milosan, I.,** *Optimization of Industrial Processes using a Special Software*, Scientific Research & Education in the Air Force, AFASES Vol. 2, p. 639-644, ISSN 2247-3173, BDI, 2015.
- 5. Milosan, I.,** *The manufacturing of a special wear-resistant cast iron used in automotive industry*, Book Series: Procedia Social and Behavioral Sciences, Volume: 109, Pages: 610-613, Published: 2014, ISI Thomson Reuters, Accession Number: WOS:000335570200104.
- 6. Milosan, I.,** Title: *Manufacture of cryogenic materials used in automotive industry*, Book Serie s: Procedia Social and Behavioral Sciences, Volume: 62, Pages: 711-715 DOI: 10.1016/j.sbspro.2012.09.125 Published: 2012, ISI Thomson Reuters, Accession Number: WOS:000319841600115.
- 7. Milosan, I.,** *Study Regarding to the Recycling of Metallurgical Waste*, Metalurgia International, V. 17, Issue: 9, P. 71-75, ISSN: 1582-2214, Published: 2012, ISI Thomson Reuters, Accession Number: WOS:000306248100014.
- 8. Milosan, I.,** *Heat Treatment Optimization for the Bearing Rings Fabrication*, 16th International Conference on Modern Technologies, Quality and Innovation -MODTECH 2012, Proceeding, vol II, pag. 589-592, ISSN: 2069-6736, Published: 2012, ISI Thomson Reuters, Accession Number: WOS:000392261800148.
- 9. Milosan, I.,** *Study About Some Clean Technologies Applied In Metallurgical Industry*, Metalurgia International, Special Issue 2, P. 107-110; ISSN: 1582-2214, Published: 2009, ISI Thomson Reuters, Accession Number: WOS:000265001400026
- 10. Miloșan, I. -** *Tehnologii curate aplicate în ingineria protecției mediului industrial*, ISBN 973-635-590-X, Editura Universității Transilvania din Brașov, 202 pag., 2005.

TEZA DE DOCTORAT

Miloșan, I., *Studii și cercetări privind obținerea fontelor cu grafit nodular bainitice prin tratamente termice*, Universitatea Transilvania din Brașov, 1998.

BREVETE

-

CĂRȚI / CAPITOLE DE CĂRȚI

1. **Milosan, I.** - *Elaborarea si tratamentul termic specific fontelor cu grafit nodular*, ISBN 978-973-598-859-3, 303 pagini, Editura Universității Transilvania din Brașov, 2011.
2. **Miloșan, I.** - *Tehnologii curate aplicate în ingineria protecției mediului industrial*, ISBN 973-635-590-X, Editura Universității Transilvania din Brașov, 202 pagini, 2005.
3. Geamăn, V., **Miloșan, I.**, Stroe, I., Iulian, I. - *Bazele ingineriei protecției mediului industrial*, ISBN 973-635-399-0, Editura Universității Transilvania din Brașov, 170 pagini, 2004.
4. **Miloșan I.**, *Aliaje cu proprietăți speciale*, Editura Didactică și Pedagogică, București, ISBN 973-30-2651-4, 136 pagini, 2001.
5. **Miloșan I.** - *Procedee Metalurgice*, Editura Didactică și Pedagogică, București, ISBN 973-30-2278-0, 187 pagini, 2000.
6. Canta, T.,, **Miloșan, I.**, ș.a., *Modelarea si simularea pe calculator a procesarii materialelor*, editura:U.T.PRES -Cluj Napoca ISBN:973-98701-8-X, 418 pagini, 1999.
7. Canta, T.,..., **Miloșan, I.**, ș.a., *Procedee avansate în ingineria suprafețelor* - Editura U. T. PRES, ISBN 973-98081-2-3, Cluj - Napoca, 395 pagini,1998.
8. Canta, T., ..., **Miloșan, I.**, ș.a., *Noi Tehnologii pentru materiale avansate* - Editura U. T. PRES, ISBN 973-98081-2-3, Cluj - Napoca, 258 pagini, 1997.

ARTICOLE ÎN REVISTE

1. Pop, M.A., Geaman, V., Radomir, I, Bedo, T., **Milosan, I.**, Semenescu, A., Florea, B., Roxana, O., Chivu, *Effect of Different Solutions on the Handmade Composite Materials*, Revista de Chimie, Vol. 68, No.3, p. 464-469, 2017, ISSN 0034-7752, 2017, Accession Number: WOS:000400731900008.
2. **Milosan, I.** Experimental Results of a Carbon Steel Analyzed Using the Grubbs Test, RECENT, ISSN 2065-4529, Vol. 18, no. 1(51), p. 44-48, March, 2017.
3. **Milosan, I.** *The Applying of the Romanowski Test for Identification of Data Affected by Errors*, European Scientific Journal, v. 12, n. 21, p. 18-24, ISSN: 1857-7431, 2016.
4. **Milosan, I.** *The Heat Treatment Parameters Analysis Using Two-Way ANOVA Method*, RECENT, ISSN 2065-4529, vol. 17, no. 4, pp. 33 - 40, 2016.
5. **Milosan, I.** *Analyzing the real area of contact wear using ANOVA* revista:RECENT, ISSN 2065-4529, vol. 16, no. 3(46), p. 254-258 2015.
6. **Milosan, I.** - *Technical and Economic Study on Landmarks from A.D.I.*, European Scientific Journal, Vol. 11, no. 18, ISSN: 1857-7431, 2015, ISSN: 1857-7431, 2015.
7. **Milosan, I.** *Studies about the key elements of total quality management*, European Scientific Journal, February 2014 /SPECIAL/ edition vol.3, p. 58-62, ISSN:1857 7431, 2014.
8. **Milosan, I.**, *Study to Determine the Gaseous Emissions from the Combustion Gases*, RECENT, ISSN 2065-4529,v15, n 3(43) 2014.
9. **Milosan, I.**, *Aspects about Phase Transformation in Solid State of a S.G. Cast Iron*, Metalurgia International, V. 18, Special Issue: 5, p. 95-98, Published: 2013, Accession Number: WOS:000315611900018.
10. **Milosan, I.**, Derczeni, R.A., *Some aspects about the Manufacturing of the Metallurgical Waste*, Metalurgia International, v.18, Special Issue: 6, p. 159-162, Published: 2013, Accession Number: WOS:000315835600035.
11. **Milosan, I.**, *Study Regarding to the Recycling of Metallurgical Waste*, Metalurgia International,V. 17, Issue: 9, p. 71-75, ISSN: 1582-2214, Published: 2012, Accession Number: WOS:000306248100014.
12. **Milosan, I.**, *Aspects About The Microhardness's Variation Of A Special S.G.Cast Iron;* Metalurgia International, v. 16; Issue: 2; p.: 43-45; ISSN: 1582-2214, Published: 2011, Accession Number: WOS:000289816700007.

13. **Milosan, I.**, *Studies about the key elements of total quality management* revista:European Scientific Journal February 2014 /SPECIAL/ edition vol.3, p. 58-62, ISSN:1857 7431, 2014.
14. **Milosan, I.**, *Study About The Behaviour To The Low Temperatures Of A Cu S.G. Cast Iron*; Metalurgia International, v. 16; Issue: 8; p.: 29-31; ISSN: 1582-2214, Published: 2011, Accession Number: WOS:000294516300006 .
15. **Milosan, I.**, *The Influence Of The Heat Treatment's Parameters Over The Real Surface Contact At The Bainitic S.G. Cast Iron' Wear*; Metalurgia International, v. 15; Issue: 8; p.: 31-33; ISSN: 1582-2214, Published: 2010, Accession Number: WOS:000277598900007
16. **Milosan, I.**, *Study About The Phase Transformation And Properties Of A Special S.G. Cast Iron*; Metalurgia International, v. 15; Issue: 10; p. 15-17; ISSN: 1582-2214, Published: 2010, Accession Number: WOS:000278729300003.
17. **Milosan, I.**, *Clean Technology Applied To Reducing Losses By Recycling Materials From Metallurgical Industry*; Metalurgia International, v. 15; Issue: 2; p. 73-74; ISSN: 1582-2214, Published: 2010, Accession Number: WOS:000274149100013.
18. **Milosan, I.**, *Theoretical Aspects Regarding Of Some Metallurgical's Processes Optimization*; Metalurgia International, v. 15; Issue: 8; p. 55-57; ISSN: 1582-2214, Published: 2010, Accession Number: WOS:000277598900013.
19. **Milosan, I.**, Antonaru, C., *Study About Some Isothermal Heat Treatments Applied For Obtaining The "Dual-Phase*; Metalurgia International, v. 14; Issue: 8; p. 5-6; ISSN: 1582-2214, Published: 2009, Accession Number: WOS:000269587600001.
20. **Milosan, I.**, *The Kinetics And Thermodynamic Transformation Of A Cr-Ni-Cu Low-Alloy SG Cast Iron*, Metalurgia International, v. 15; Issue: 10; p. 66-68; ISSN: 1582-2214, Published: 2009, Accession Number: WOS:000268551100013.
21. **Milosan, I.**, *The Microhardness's Variation Of A Ni-Cu Low Alloy SG Cast Iron*; Metalurgia International, v. 14; Issue: 9; p.: 41-43; ISSN: 1582-2214, Published: 2009, Accession Number: WOS:000268551100013.
22. **Milosan, I.**, *Study About Some Clean Technologies Applied In Metallurgical Industry*, Metalurgia International, v. 14; p. 107-110; ISSN: 1582-2214, Published: 2009, Accession Number: WOS:000265001400026.
23. **Milosan, I.**, *Some Aspects About the Pollution of the Industrial Process*; Metalurgia International, v. 15; Issue: 10; p. 69-70; ISSN: 1582-2214, Published: 2009, Accession Number: WOS:000268551100014.
24. Seceleanu, D; **Milosan, I**; Dobrota, R., *Some aspects about the mathematical modelling results of an SG cast iron with special properties*, Journal of Materials Processing Technology, v. 143-144, p: 175-178, Published: Dec 20, 2003, Accession Number: WOS:000187510100035.

ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAȚIONALE

1. **Milosan, I.**, *Application of the Chauvenet Criterion to Detection of the Aberrant Data Obtained in the Industrial Processes*, The 19th International Conference "Scientific Research and Education in the Air Force" AFASES 2017, Brașov, Romania, Vol. 1, p. 389-392, ISSN 2247-3173, 2017, Doi: 10.19062/2247-3173.2017.19.1.47,
2. **Milosan, I.**, *Statistical Processing Of Experimental Data Using Analysis Of Variance*, The 18th International Conference "Scientific Research and Education in the Air Force" AFASES 2016, Brașov, Romania, Vol. 1, p. 489-496, 2016, ISSN 2247-3173, Doi: 10.19062/2247-3173.2016.18.1, 2016.
3. **Milosan, I.**, *Optimization of Industrial Processes Using a Special Software*, The 17th International Conference "Scientific Research and Education in the Air Force" AFASES 2015, Brașov, Romania, Vol. 2, p. 639-644, ISSN 2247-3173, 2015.

4. **Milosan, I.**, *Mathematical Modeling by using a C++ Software*, The 17th International Conference "Scientific Research and Education in the Air Force" AFASES 2015, Braşov, Romania, Vol. 2, p. 631-638, ISSN 2247-3173, 2015.
5. **Milosan, I.**, *The manufacturing of a special wear-resistant cast iron used in automotive industry*, 2nd World Conference on Business, Economics and Management (BEM) Turkey 2013, Book Series: Procedia Social and Behavioral Sciences Volume: 109, Pages: 610-613, Conference: Published: 2014, Accession Number: WOS:000335570200104.
6. Caunii, A., Butnariu, M., Chicioareanu T., **Milosan, I.**, *Aspects Relating to the Organization of the Integrated Monitoring System in Romania*, 2nd World Conference on Business, Economics and Management (BEM) Location: Antalya, Turkey 2013, Book Series: Procedia Social and Behavioral Sciences Volume: 109, Pages: 483-486, Published: 2014, Accession Number: WOS:000335570200082.
7. **Milosan, I.**, *Optimization of specific factors to produce special alloys*, Proceedings of the 5th International Conference "Computational Mechanics and Virtual Engineering, COMEC 2013, Braşov, Romania, DERC Publishing House, Proceeding: p. 173-178, ISBN-13:978-1-939757-11-1, Tewksbury (Boston), Massachusetts, U.S.A, 2013.
8. **Milosan, I.**, Title: *Manufacture of cryogenic materials used in automotive industry*, WORLD CONFERENCE ON BUSINESS, ECONOMICS AND MANAGEMENT (BEM-2012) Location: Antalya, Turkey, Book Serie s: Procedia Social and Behavioral Sciences, Volume: 62, Pages: 711-715 DOI: 10.1016/j.sbspro.2012.09.125 Published: 2012. Accession Number: WOS:000319841600115.
9. **Milosan, I.**, *The Behaviour to the Low Temperatures of a Chromium-Nickel-Copper S.G. Cast Iron*, 16th International Conference on Modern Technologies, Quality and Innovation - MODTECH 2012, Sinaia, Romania, Proceeding, vol II, pag. 585-588, ISSN: 2069-6736, Published:2012, Accession Number: WOS:000392261800147.
10. **Milosan, I.**, *Heat Treatment Optimization for the Bearing Rings Fabrication*, 16th International Conference on Modern Technologies, Quality and Innovation -MODTECH 2012, Sinaia, Romania, Proceeding, vol II, pag. 589-592, ISSN: 2069-6736, Published: 2012, Accession Number: WOS:000392261800148.
11. Butnariu, M., **Milosan, I.**, *Best practices to increase progress in knowledge management*, WORLD CONFERENCE ON BUSINESS, ECONOMICS AND MANAGEMENT (BEM-2012) Location: Antalya, Turkey, Book Serie s: Procedia Social and Behavioral Sciences, Volume: 62, Pages: 739-743 DOI: 10.1016/j.sbspro.2012.09.125 Published: 2012, Accession Number: WOS:000319841600120.
12. Butnariu, M., **Milosan, I.**, *Preliminary assessment of knowledge management in universities*, WORLD CONFERENCE ON BUSINESS, ECONOMICS AND MANAGEMENT (BEM-2012) Location: Antalya, Turkey, Book Serie s: Procedia Social and Behavioral Sciences, Volume: 62, Pages: 791-795 DOI: DOI: 10.1016/j.sbspro.2012.09.133 Published: 2012, Accession Number: WOS:000319841600128.
13. **Milosan, I.**, Veteleanu, A., *Experimental Researches on the Cupola's Charges Optimization*, 15th International Conference on Modern Technologies, Quality and Innovation -MODTECH 2011, Chisinau, Republic of Moldova, Proceeding, vol II, pag. 677-680, ISSN: 2069-6736, Published: 2011, Accession Number: WOS:000392260500170.
14. **Milosan, I.**, *Study and Researches about the Microhardness's variation of a Special SG Cast Iron*; THERMEC 2009, PTS 1-4, Book Series Title: Materials Science Forum; Volume: 638-642; Pages: 1233-1236; DOI: 10.4028/www.scientific.net/MSF.638-642.1233; Part 1-4; ISSN: 0255-5476, Published: 2010, Accession Number: WOS:000281043800201.
15. Geaman, V., **Milosan, I.**, Stoicanescu, M., *Changes Which Appear In The Ideal Gas Law Under The Temperatures And Pressures Used In Hot Isostatic Processing*; Annals of DAAM and Proceedings; Pages: 531-532; Conference Title: 19th International Symposium of the

Danube-Adria-Association-for-Automation-and-Manufacturing; Trnava SLOVAKIA; ISSN: 1726-9679, Published: 2008, Accession Number: WOS:000262860100265

16. Miloşan, I., *Aspects about the Kinetics and Thermodynamic Transformation of a Special SG Cast Iron*; Annals of DAAM and Proceedings; Pages: 871-872; Conference Title: 6th International Conference of DAAAM Baltic Industrial Engineering, Tallinn ESTONIA, ISSN: 1726-9679, Published: 2008, Accession Number: WOS:000257464400082

17. Miloşan I., *The mathematical modelling of the mechanical results of a special cast iron* Conferinţa Internaţională de Ştiinţa şi Ingineria Materialelor, BRAMAT 2005, Universitatea Transilvania Braşov, vol. II, ISBN-973-635-454-7, pag. 126-129, 2005

18. Miloşan, I., Duta-Capra, A., Dumitru, M., Dumitru, I., Miloşan, M.M. *Clean technology applied to the S.G. cast iron fabrication*, REWAS'04 - Global Symposium on Recycling, Waste Treatment and Clean Technology, Pages 2885-2886, ISBN: 8495-52006-0, Madrid, Spain, 2005.

19. Miloşan, I., Sarbu, F., M.M. Miloşan, *Phase transformation induced in surface engineering of a special s.g. cast iron*, “7th International Reserarche / Expert conference tmt 2003, Trends in the Development of Machinery and Associated Technology” PROCEEDING, p. 265-267, ISBN 9958-18-8, Barcelona, Spain, 2003.

20. Miloşan, I., Sarbu, F., M.M. Miloşan, *Abrasive resistance of a special s.g. cast iron utilised in mechanichal industry*, “3rd International Conference – Research and Development in Mechanical Industry”, 19 – 23 Septembrie 2003, Herceg Novi, Proceeding, p. 354-357, Serbia and Muntenegro, 2003.

ALTE LUCRĂRI / REALIZARI RELEVANTE

1. Grant FP7-INFRA-312643 cod P1512200152: *Researches regarding the influence of the heat treatments with solar energy over the wear resistant steels properties*, RESOL-WEAR. finantator: **Uniunea Europeană, CIEMAT-PSA**, Loc de desfăşurare: CNRS-PROMES, Font-Romeu, **Franţa, 2016**, Loc de desfăşurare: CNRS-PROMES, Font-Romeu, **Franţa, 2016**, Funcţia: **Director**, Valoarea Grantului: 15468,93 Euro; http://sfera2.sollab.eu/access/access_selected

2. Grant FP7-INFRA-312643 cod P1502060091: *Using the solar energy to heat treatments of special alloys resistant to low temperatures*, SE-HTRLT, finantator: **Uniunea Europeană, CIEMAT-PSA**, Loc de desfăşurare: CNRS-PROMES, Font-Romeu, **Franţa, 2015**, Funcţia: **Director**, Valoarea Grantului: 7613,80 Euro; http://sfera2.sollab.eu/access/access_selected

3. Grant FP7-INFRA-312643 cod P1701100227: *Solar-assisted treating of some new stainless steels for biomedical applications*, SOLAR-BIOMAT, finantator: **Uniunea Europeană, CIEMAT-PSA**, Loc de desfăşurare: CIEMAT-PSA, Almeria, **Spania, 2017**, Funcţia: **Director**, Valoarea Grantului: 5858,16 Euro; http://sfera2.sollab.eu/access/access_selected.

4. Grant FP7-INFRA-312643 cod P1701270241: *Research on solar aided sintering (Al-12Si/Gr/SiC) hybrid composites for automotive industry*, SOL-SINT-COMP finantator: **Uniunea Europeană, CIEMAT-PSA**, Loc de desfăşurare: CNRS-PROMES, Font-Romeu, **Franţa, 2017**, Funcţia: **Director**, Valoarea Grantului: activitate derulată, se aşteaptă calculul sumei finale cu care a fost finanţat Grantul; http://sfera2.sollab.eu/access/access_selected

Data

02.10.2017

Prof.dr.ing. Miloşan Ioan