

LISTA DE LUCRĂRI

BERNEVIG M. MIHAI-ADRIAN - Dr. din 2012, ing. din 2003

1^o Teza(-ele) de doctorat (T1, T2)

CERCETĂRI ASUPRA ALIAJELOR DE ALUMINIU TURNABILE ÎNCĂLZITE ÎN PAT FLUIDIZAT ȘI TRATATE TERMIC PRIN CĂLIRE DE PUNERE ÎN SOLUȚIE ÎN VEDEREA ÎMBUNĂTĂȚIRII UNOR PROPRIETĂȚI FIZICO-MECANICE, anul 2012, Universitatea Tehnică "Gheorghe Asachi" din Iași, domeniul Știința și Ingineria Materialelor, conducător științific Prof.univ.dr.ing. Dan-Gelu GALUȘCĂ

3^o Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenție (B1, B2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc *contribuții științifice la dezvoltarea domeniului*.

	Articol publicat în revistă cotate ISI, cu factor de impact
R	Ri1 <i>Simulation of casting and solidification processes of aluminum alloys for aeronautical applications</i> , Bernevig M.A. , Metalurgia International, ISSN 1582 – 2214, vol. 17, pag. 88-91, 2012, revistă indexată în baze de date ISI Thomson Web of Knowledge factor de impact: 0,134
	Ri2 <i>Chemical influence of fluidized bed sand on AlMg2 surface alloy during solution annealing heat treatment</i> , Bernevig M.A. , Metalurgia International, ISSN 1582 – 2214, vol. 18, pag. 30-34 2013, revistă indexată în baze de date ISI Thomson Web of Knowledge factor de impact: 0,134
	Ri3 <i>Chemical procedures for Ti-alloy based metallic surface modification</i> , I. Știrbu, P. Vizureanu, R. Cimpoesu, M. Lungu, M. Bernevig , R. F. Popa, Optoelectronics Advanced Materials.- Rapid Communications (OAM-RC), ISSN Print 1842-6573, Vol. 8, No. 3-4, pag. 242 – 246, March - April 2014, revistă indexată în baze de date ISI Thomson Web of Knowledge, factor de impact: 0.449
	Ri4 <i>Advanced metallic materials response at laser excitation for medical applications</i> , I. Stirbu, P. Vizureanu, R. Cimpoesu, G. Dascălu, S. O. Gurlui, M. Bernevig , M. Benchea, N. Cimpoesu, P. Postolache, Journal of Optoelectronics and Advanced Materials, Vol. 17, No. 7-8, p. 1179 – 1185, July – August 2015, ISSN 1454-4164, factor de impact: 0,43
	Ri5 <i>Preliminary results on hydroxyapatite growth on advanced Ti-base alloy using electrophoretic deposition process</i> , Paraschiv, C., Stirbu, I., Cimpoesu, R., Bernevig, M. , Nejnereu, C., Manole, V., Cimpoesu, N., Zegan, G., Journal of Optoelectronics and Advanced Materials -Rapid Communications, Vol. 10, Issue 1-2, p. 87 – 90, Jan-Feb 2016, ISSN 1842-6573, factor de impact: 0,470
	Ri7 <i>Considerations on the method of self-assessment of safety at work</i> - Costică Bejinariu, Doru Costin Darabont, Baciuc, Elena Raluca, Iulian Ioniță, Mihai-Adrian Bernevig-Sava , Constantin Baciuc, Environmental engineering and management journal, Jun 2017, Vol. 16, Issue 6, pages1395-1400, ISSN 1582-9596, factor de impact: 1,096
	Ri6 <i>Considerations on Applying the Method for Assessing the Level of Safety at Work</i> , Bejinariu, C., Darabont, D. C., Baciuc, E. R., Georgescu, I. S., Bernevig-Sava, M. A. , Baciuc, C., Sustainability Journal, ISSN Print 2071-1050, Vol. 9, Issue 7, July 2017, revistă indexată în baze de date ISI Thomson Web of Knowledge factor de impact: 1,789
Ri7 <i>Considerations on improving occupational health and safety performance in companies using ISO 45001 standard</i> , Darabont DC, Bejinariu, C, Ionita I, Bernevig-Sava MA , Baciuc C, Baciuc ER, Environmental Engineering and Management Journal, ISSN:1582-9596, Volume 17, Issue 11, Page 2711-2718, Published Nov 2018, impact factor: 0,832	

Ri8 New Zn3Mg-xY Alloys: Characteristics, Microstructural Evolution and Corrosion Behavior, Panaghie C, Cimpoesu R, Istrate B, Cimpoesu N, **Bernevig MA**, Zegan G, Roman AM, Chelariu R, Sodor A, MATERIALS, eISSN:1996-1944, Volume14, Issue10, Article Number 2505, DOI 10.3390/ma14102505, Published may 2021, impact factor: 3,748

Ri9 *Obtaining and analyzing the Al2O3-ZrO2 ceramic layers on metallic substrate*, Lutcanu M, Coteata M, **Bernevig MA**, Nechifor CD, Cazacu MM, Paraschiv P, Istrate B, Badarau G, Sandu IG, Cimpoesu N, Archives of Metallurgy and Materials, ISSN:1733-3490, Volume 67, Issue 2, Page 479-485, DOI 10.24425/amm.2022.137780, Published 2022, factor de impact: 0,633

Articol publicat în revistă indexată în baze de date internaționale (BDI)

Rn1 *Researches concerning the cooling characteristics in fluidized bed tip sand barbotaged with air* - Nejneru C., Hopulele I., **Bernevig M.A.**, Carabet R., Buletinul Institutului Politehnic Iași, tom L(LIV), fasc. 1 – 2, ISSN 1453 – 1690, 2004

Rn2 *Researches concerning the cooling characteristics of the powder backing in fluidized bed tip sand and salt barbotaged with air* - Nejneru C., Hopulele I., **Bernevig M.A.**, Carabet R., Buletinul Institutului Politehnic Iași, tom LI(LV), fasc. 3, ISSN 1453 – 1690, 2005

Rn3 *About the cooling characteristics of the powder backing in fluidized bed tip salt, fero-manganese particles, castiron splinters barbotaged with air* - Nejneru C., **Bernevig M.A.**, Carabet R., Cimpoesu N., Hopulele I., Buletinul Institutului Politehnic Iași, tom LII(LVI), fasc.2, sectia „Știința și Ingineria Materialelor, ISSN 1453 – 1690, 2006

Rn4 *About the cooling characteristics of the mixture powders in fluidized bed – salt and sand barbotaged with air* - Nejneru C., Gheorghiu D., **Bernevig M.A.**, Hopulele I., Nonconventional Technologies Review - no. 2, ISSN 1454-3087, 2007

Rn5 *Experimental determination of the yield stress for aluminium Al 99.5* - A.M. Cazac, C Bejinariu, St L. Toma, A. Berbecariu and **M.A. Bernevig Sava** - Buletinul Institutului Politehnic Iasi, Tomul LIX(LXIII) Fasc. 2, Sectia Stiinta si Ingineria Materialelor – 2013, pg 19-26, ISSN 1453-1690 Articol, Indexat Ulrich's

Rn6 *Rolul serviciului extern de prevenire și protecție în prevenirea riscurilor specifice activităților desfășurate în procesul de învățămînt* – M. Istrate, **M.A. Bernevig-Sava** - Buletinul Institutului Politehnic Iasi, Tomul LIX(LXIII) Fasc. 2, Sectia Stiinta si Ingineria Materialelor – 2013, pag. 47-52, ISSN 1453-1690

Rn7 *Micro-macro surface aspects of corrosion resistance of a stainless steel in sea water* - Adela Dragoș Ursanu, Sergiu Stanciu, **Mihai Bernevig**, Constantin Baci, Cristian Adoroaie, Nicanor Cimpoesu, TEHNOMUS - New Technologies and Products in Machine Manufacturing Technologies Journal, Department of Mechanics and Technologies Faculty of Mechanical Engineering, Mechatronics and Management Ștefan cel Mare University of Suceava, Romania, No. 21, ISSN-1224-029X, 2014

Rn8 *Experimental results on synthetic cooling environment* - Nejneru Carmen, Grecu Adrian, Vizureanu Petrică, **Bernevig Mihai**, Ursanu Adela, Ramona Cimpoesu, TEHNOMUS - New Technologies and Products in Machine Manufacturing Technologies Journal, Department of Mechanics and Technologies Faculty of Mechanical Engineering, Mechatronics and Management Ștefan cel Mare University of Suceava, Romania, No. 21, ISSN-1224-029X, 2014

Rn9 *The implementation of the conformity audit using files to check legal requirements* - **Bernevig-Sava Mihai**, Baci Raluca, Baci Constantin - Buletinul Institutului Politehnic Iasi, Tomul LX(LXIV) Fasc. 3-4, Sectia Stiinta si Ingineria Materialelor – 2014, pag. 33-38, ISSN 1453-1690

Rn10 *The Effect of Silicon Content into the Aluminum Matrix on the Microstructure and Mechanical Properties of TIG/FSW Welds* - Gheorghiu Diana Antonia, Toma Stefan Lucian, Bejinariu Costica, **Bernevig Mihai**, The International Conference Innovative technologies for joining advanced materials organized by the National R&D Institute for Welding and Material Testing - ISIM Timișoara, The 7th International Conference - Innovative Technologies for Joining Advanced Materials, June 19 - 20, 2014, Advanced Materials Research, ISSN: 1662-8985, (Volume 1029), Pages 106-111, DOI 10.4028/www.scientific.net/AMR.1029.106

Rn11 *The objective identification of hazards – the essential condition to a real evaluation of occupational injuries and illnesses' risks* - **Mihai-Adrian Bernevig-Sava**, Nicoleta Monica Lohan, Constantin Baci, Costică Bejinariu, 7th International Conference On Manufacturing Science And Education, “Lucian Blaga” University of Sibiu, Romania, June 3-5, 2015, ACTA Universitatis Cibiniensis. Volume 66, Issue 1, Pages 7–10, ISSN (Online) 1583-7149, DOI: 10.1515/aucts-2015-0018, September 2015

<p>Rn12 <i>Managerial vision-influence factor to create an efficient culture in safety and health at work - Mihai-Adrian Bernevig-Sava</i>, Constantin Baciu, Doru Costin Darabont, Iulian Ionita, Costica Bejinariu, International Symposium Occupational Health and Safety SESAM 2015 7th edition, Vol. 1, pag. 55-59, 2015, ISSN 1843 – 6226</p>
<p>Rn13 <i>Determination of Friction Coefficient between Copper Semi-finished and Plastic Deformation Tools - Cazac, A. M., Baciu, C., Bernevig-Sava, M. A., Baciu, R. E., Lupu-Poliac, M., Bejinariu, C., International Conference on Advanced Materials Engineering and Technology (ICAMET) 2016, Kaohsiung, Taiwan, Volume 1835, AIP Conference Proceedings, ISBN 978-0-7354-1505-8, DOI: 10.1063/1.4983792</i></p>
<p>Rn14 <i>Improving safety in the workplace using checklists legal requirements - Mihai-Adrian, B.-S., Iulian, I., Constantin, B., Costin, D.D., Alexandru, L., Marian, C.A., Costica, B., Quality - Access to Success, Volume 18, 2017, Pages 31-34, ISSN: 15822559</i></p>
<p>Rn15 <i>Correlations between severe plastic deformations processes and acoustic propagation phenomena by means of fractal analysis. consequences on biological structures dynamics - Bejinariu C., Cazac A.M., Baciu C., Bernevig-Sava M.-A., Coman G., Nica P.E., Forna N. C., Ghizdovat V., Agop M., Constantinescu S., Postolache P., Ianosi S.E., Jimborean G., Journal of Computational and Theoretical Nanoscience, Volume 15, Issue 3, March 2018, Pages 895-907</i></p>
<p>Rn16 <i>Influence of nanostructuring on the sound velocity in copper Cu-99.75 - Cazac A.M., Alexandru A., Bernevig-Sava M.-A., Toma S.L., Goanta V., Bejinariu C., IOP Conference Series: Materials Science and Engineering Volume 400, Issue 7, 20 September 2018, Article number 072002, 6th International Conference on Modern Technologies in Industrial Engineering, ModTech 2018</i></p>
<p>Rn17 <i>MEVA - a new method of occupational health and safety risk assessment, Darabont DC, Smidu E, Trifu A, Ciocirlea V, Ivan I, Bejinariu C, Baciu, C, Bernevig-Sava MA, 9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2019): TRENDS IN NEW INDUSTRIAL REVOLUTION, MATEC Web of Conferences, ISSN 2261-236X, Volume 290, Article Number 12008, DOI 10.1051/mateconf/201929012008, Published 2019</i></p>
<p>Rn18 <i>You have many accidents, you pay little, you have no accidents, you pay the same, Albuiescu AG, Popescu I, Corabieru A, Cazac AM, Bernevig-Sava MA, 9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2019): TRENDS IN NEW INDUSTRIAL REVOLUTION, MATEC Web of Conferences, ISSN 2261-236X, Volume 290, Article Number 12005, DOI 10.1051/mateconf/201929012005, Published 2019</i></p>
<p>Rn19 <i>Study on the anticorrosive phosphated steel carabiners used at personal protective equipment - Bejinariu C., Burduhos-Nergiş D.-P., Cimpoesu N., Bernevig-Sava M.-A., Toma Ş.-L., Darabont D.-C., Baciu C., Quality - Access to Success, Volume 20, January 2019, Pages 71-76</i></p>
<p>Rn20 <i>Selection and verification of personal protective equipment in the context of current legal requirements - Bernevig-Sava M.-A., Darabont D.C., Lohan M., Mihalache E., Bejinariu C., Quality - Access to Success Volume 20, January 2019, Pages 109-112</i></p>
<p>Rn21 <i>Technical requirements and materials used in firefighters gloves manufacturing, C Arvinte, A V Sandu, D D Burduhos-Nergis, M A Bernevig Sava and C Bejinariu, IOP Conference Series: Materials Science and Engineering, Volume 572, International Conference on Innovative Research - ICIR EUROINVENT 2019 16–17 May 2019, Iasi, Romania, doi:10.1088/1757-899X/572/1/012070</i></p>
<p>Rn22 <i>Occupational safety and health audit between theory, legal requirements and practice - Baciu C., Bejinariu C., Darabont D.C., Corăbieru A., Bernevig-Sava M.-A., Quality - Access to Success, Volume 20, January 2019, Pages 113-116</i></p>
<p>Rn23 <i>Modern approaches in integrated management systems of quality, environmental and occupational health and safety – Darabont D.-C., Baciu C., Bernevig-Sava M.-A., Quality - Access to Success, Volume 20, January 2019, Pages 105-108</i></p>
<p>Rn24 <i>Protection against mechanical risks provided by gloves used by firefighters in intervention actions, C Arvinte, L Hristian, D P Burduhos-Nergis, M A Bernevig, S L Toma, I G Sandu and C Bejinariu, Journal of Physics: Conference Series, Volume 1960, International Conference on Innovative Research (ICIR EUROINVENT 2021) 20-21 May 2021, Iasi, Romania, doi:10.1088/1742-6596/1960/1/012016</i></p>
<p>Rn25 <i>Phosphate coatings for the protection of steels reinforcement for concrete, P Lazar, C Bejinariu, A M Cazac, A V Sandu, M A Bernevig and D P Burduhos-Nergis, Journal of Physics: Conference Series, Volume 1960, International Conference on Innovative Research (ICIR EUROINVENT 2021) 20-21 May 2021, Iasi, Romania, doi:10.1088/1742-6596/1960/1/012013</i></p>

V	Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date
	Vn1 <i>NiTi shape memory alloy active element behavior in long time solicitation conditions</i> - Adela (Dragos) Ursanu, Sergiu Stanciu, Ramona Cimpoesu, Cristian George Adoroaie, Petronela Paraschiv, Mihai Bernevig , IManE 2014 International Conference, Chișinău-Republic of Moldova- "Beyond the limits of EU", Applied Mechanics and Materials, Vol. 657, pag. 387-391 - May 29-30, 2014
	Vn3 <i>Ti-based implantable alloy surface modification</i> - I. Știrbu, P. Vizureanu, P. Paraschiv, N. Cimpoesu, R. Cimpoesu, M. Bernevig , 9th International Conference on Materials Science and Engineering – BRAMAT 2015, Transilvania University of Brașov, Romania, 5 – 7 March 2015

4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional/ cultural/ economic/ social etc.

P. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale

P1. Reducerea consumurilor energetice ale instalațiilor de incalzire la temperature medii prin intensificarea proceselor de transfer de caldura si masa, CEEEX 5882/2006, perioada 2006, Director Conf. dr. Minea Alina, finanțat cu:

- 16000 lei (valoarea medie pe 2006 a granturilor CNCSIS de tip A, conform C.C.T.T. Polytech: 24949,2 RON)
- 84000 lei (valoarea medie pe 2007 a granturilor CNCSIS de tip A, conform C.C.T.T. Polytech: 41408 RON)
- 30000 lei (valoarea medie pe 2008 a granturilor CNCSIS de tip A, conform C.C.T.T. Polytech: 107860 RON)

P2. Optimizarea energetica a instalațiilor detratament termic al aliajelor de aluminiu, prin eficientizarea proceselor de transfer termic. Implicatii metalurgice, Gr. CNCSIS 63/2006-T.28, 2006, Director Conf. dr. Minea Alina, finanțat cu 45000 lei (valoarea medie pe 2006 a granturilor CNCSIS de tip A, conform C.C.T.T. Polytech: 24949,2 RON)

P3. Aliaje Al-Mg nanostructurate prin deformare plastica severa cu comportare superplastica, Gr. CNCSIS 63/2006-T.7, Director Conf. dr. Comaneci Radu, finanțat cu 64374 (valoarea medie pe 2006 a granturilor CNCSIS de tip A, conform C.C.T.T. Polytech: 24949,2 RON)

P4. Aliaje Al-Mg nanostructurate prin deformare plastica severa cu comportare superplastica, Gr. CNCSIS 63/2007-T.13, Director Conf. dr. Comaneci Radu, finanțat cu 31000 lei (valoarea medie pe 2007 a granturilor CNCSIS de tip A, conform C.C.T.T. Polytech: 41408 RON)