

INFORMAȚII PERSONALE



Gheorghe Gurău

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💬 Microsoft Teams

Sexul M | Data nașterii 19/04/1963 | Naționalitatea Română

LOCUL DE MUNCA

Universitatea Dunărea de jos din Galați
Facultatea de Inginerie

EXPERIENȚA PROFESIONALĂ

2020-Prezent	Profesor universitar
2003-2020	Conferențiar universitar
1996-2003	Șef de Lucrări
1992-1996	Asistent universitar
1991-1992	Preparator universitar

Numele și adresa angajatorului

Universitatea Dunărea de Jos din Galați, Facultatea de Inginerie, Departamentul Știința Materialelor și a Mediului, Strada Domnească nr. 111, 800201 Galați, România

Tipul activității

Activitate didactică (profesor, cursuri: Teoria plasticității și a ruperii materialelor, Procese specifice de deformare plastică a biomaterialelor, Tehnologia Materialelor,

Activitate de cercetare (Nanostructurarea materialelor metalice prin deformare plastică severă, Aliaje cu memoria formei. Comportarea la deformare plastică a metalelor și aliajelor. Ecuații constitutive.

Conducere de doctorat în domeniul Ingineria Materialelor

1988-1991

Inginer

SC INTFOR SA , Strada Portului Nr. 157, cod 80021, Galați, România

Întreprinderea de Mașini Unelte Bacau, Calea Republicii 205, Bacau, Romania

EDUCAȚIE ȘI FORMARE

1983-1988

Inginer diplomat

Universitatea Dunărea de Jos din Galați, Facultatea de Mecanica, secția Deformări plastice și tratamente termice

2002

Doctor în științe

Domeniul: Știința și Ingineria Materialelor

Titlul tezei de doctorat: Cercetări cu privire la influența compoziției chimice și a tratamentelor termomecanice asupra structurii și proprietăților bronzurilor cu aluminiu

2019

Abilitare

Domeniul: Ingineria Materialelor

Titlul tezei de abilitare: Nanostructurarea metalelor și aliajelor prin torsiune lapresiune înaltă cu viteză mare



COMPETENTE PERSONALE

Limba(i) maternă(e)

Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	B1	C1	B2	B1	C1
Franceză	B1	C1	B1	B1	B1

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Competențe și abilități sociale

Spiritu de echipă dobândit încă din facultate și din activitatea în industrie.

Competențe organizaționale/manageriale

Competențe manageriale dobândite în activitatea de Management academic (2008-2010 Prodecan al Facultății de Metalurgie și Știința materialelor)
 Competențe obținute în activitatea de Management în cercetare (director de proiecte obținute prin competiție națională și internațională)
 Competențe obținute în activitatea de evaluare desfășurată pentru programe de cercetare naționale.

- Eficiență în coordonarea activităților administrative și de cercetare
- Selecția adecvată a membrilor echipelor în acord cu obiectivele proiectului
- Proiectarea adecvată și gestionarea corectă a bugetului alocat activităților de cercetare
- Antrenarea tinerilor în proiectele de cercetare

Competențe și aptitudini tehnice

Competențe în nanostructurarea metalelor și aliajelor greu deformabile.
 Competențe în nanostructurarea aliajelor cu memoria formei
 Competențe în proiectarea tehnologiilor de deformare plastică severă.
 Competențe în proiectarea echipamentelor și a sculelor de deformare plastică severă

- Expert evaluator - European Commission Research Fund for Coal and Steel (RFCS)
- Expert evaluator, auditor SSM
- Expert Managementul Calitatii

Competențe în utilizarea calculatorului

AutoCAD, Inventor, Origine, Marc Mentat, CorelDRAW, Microsoft Office

Permis de conducere

Categorie B

INFORMATII SUPLIMENTARE

Contribuții științifice

- Cărți și capitole în cărți-14
- Articole în reviste cotate ISI Thomson Reuters- Web of Science Core Collection - 43
- Articole în reviste și volumele unor manifestări științifice indexate în alte Baze de Date Internaționale - 44
- Brevete de invenție- 5

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<https://publons.com/researcher/1747415/gheorghe-gurau/>
<https://scholar.google.ro/citations?user=pizGdQQAAAAJ&hl=ro>

ANEXE

Lista lucrărilor științifice

ARTICOLE ȘTIINȚIFICE ISI TH.R /WOS CORE COLLECTION

1. C. Gurau, F. Tolea, N. Cimpoesu, M. Sofronie, and G Gurau, "Magnetic Shape Memory Nanocomposites Assembled with High Speed High Magnetic Shape Memory Nanocomposites Assembled with High Speed High Pressure Torsion," no. February, 2024.
2. Bîrsan, D.C.; Gurău, C.; Marin, F.B.; Stănescu, C.; Gurău, G. Modeling of Severe Plastic Deformation by HSHPT of As-Cast Ti-Nb-Zr-Ta-Fe-O Gum Alloy for Orthopedic Implant. *Materials* (Basel). MEDLINE:37110023, 2023, 16.
3. Matache, M.G.; Marin, F.B.; Gurau, C.; Gurau, G.; Marin, M.; Găgeanu, I.; Ionescu, A. Neural Network Testing for Spot-Application of Phytosanitary Substances in Vegetable Crops Using a Self-Propelled Electrical Sprayer. *INMATEH - Agric. Eng.* WOS:000913227800020, 2022, 68, 471–480.
4. Popescu, B.; Palade, P.; Sofronie, M.; Kuncser, A.; Gurau, C.; Gurau, G.; Tolea, F. Effects of the Severe Plastic Deformation on the Magnetic Properties of Zr13Co87 Ribbons. *Metall. Mater. Trans. A Phys. Metall. Mater. Sci.* 2022, 53, 172–178, WOS:000719699500001, IF 2.726 (2021)
5. Gurau, G.; Gurau, C.; Fernandes, F.M.B.; Silva, R.J.C.; Marin, F. Using High Speed High Pressure Torsion for Cu–13Al–4Ni Shape Memory Alloy Processing. *Trans. Indian Inst. Met.* 2021, WOS:000642048200005, IF 1.499 (2020).
6. Gurau, C.; Gurau, G.; Tolea, F.; Popescu, B.; Banu, M.; Bujoreanu, L.-G. The Effect of the In-Situ Heat Treatment on the Martensitic Transformation and Specific Properties of the Fe-Mn-Si-Cr Shape Memory Alloys Processed by HSHPT Severe Plastic Deformation. *Materials* (Basel). 2021, 14, 4621, WOS:000689390200001, IF 3.623 (2020).
7. Popescu, B.; Gurau, C.; Gurau, G.; Tolea, M.; Sofronie, M.; Tolea, F. Martensitic Transformation and Magnetic Properties of Ni57Fe18Ga25 Shape Memory Alloy Subjected to Severe Plastic Deformation. *Trans. Indian Inst. Met.* 2021, WOS:000655084100001, IF 1.499 (2020).
8. Samomssa, I.; Nono, Y.J.; Cârâc, G.; Gurău, G.; Dinică, M.R.; Kamga, R. Optimization of fuel briquette production from cassava peels, plantain peels and corn cobs. *J. Mater. Cycles Waste Manag.* 2021, WOS:000664390600001, 23, 1905–1917, IF 2.863(2020).
9. Gheorghe Gurau; Carmela Gurau; Francisco Manuel Braz Fernandes; Petrica Alexandru; Vedamanickam Sampath; Mihaela Marin; Bogdan Mihai Galbinas; Structural Characteristics of Multilayered Ni-Ti Nanocomposite Fabricated by High Speed High Pressure Torsion (HSHPT) *Metals* 2020, Volume 10, Issue 12, 1629, WOS:000602499400001, IF=2.351 (2020)
10. Gurau, Carmela; Gurau, Gheorghe; Mitran, Valentina, Dan, Alexandru, Cimpan, Anisoara, The Influence of Severe Plastic Deformation on Microstructure and In Vitro Biocompatibility of the New Ti-Nb-Zr-Ta-Fe-O Alloy Composition, *MATERIALS*, Volume: 13, Issue: 21, Article Number: 4853 Published: NOV 2020, WOS:000589266700001, IF= 3.623 (2020)
11. Popa, M (Popa, Mihai); Mihalache, E (Mihalache, Elena); Cojocaru, VD (Cojocaru, Vasile Danut); Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Cimpoesu, N (Cimpoesu, Nicanor); Pricop, B (Pricop, Bogdan); Comaneci, RI (Comaneci, Radu-Ioachim); Vollmer, M (Vollmer, Malte); Krooss, P (Krooss, Philipp); Niendorf, T (Niendorf, Thomas); Bujoreanu, LG (Bujoreanu, Leandru-Gheorghe), Effects of Thermomechanical Processing on the Microstructure and Mechanical Properties of Fe-Based Alloys, *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, WOS:000518081400001, IF= 1.476 (2020)
12. Gurau, C; Gurau, G; Tolea, F; Sampath, V, Structural evolution of the NiTi/NiFeGa smart hybrid material during severe plastic deformation, *Digest Journal Of Nanomaterials And Biostructures*, Volume: 14 Issue: 3 Pages: 539-546, Published: JUL-SEP 2019, Document Type: Article, WOS:000482729500004, IF=0.638 (2019).
13. Gurau, G; Gurau, C; Tolea, F; Sampath, V, Structural Change in Ni-Fe-Ga Magnetic Shape Memory Alloys after Severe Plastic Deformation, *MATERIALS*, Volume: 12, Issue: 12, Article Number: 1939, DOI: 10.3390/ma12121939, Published: JUN 2 2019, Document Type: Article, WOS:000473759400058, IF=2.972(2018).
14. Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Tolea, F (Tolea, Felicia); Sampath, V (Sampath, Vedamanickam), Structural Change in Ni-Fe-Ga Magnetic Shape Memory Alloys after Severe Plastic Deformation, *MATERIALS*, Issue: 12, 2019, Volume: 12, Article Number: 1939, WOS:000473759400058, IF=2.972 (2019)
15. Gurau, C (Gurau, C.); Gurau, G (Gurau, G.)- autor correspondent; Tolea, F (Tolea, F.); Sampath, V (Sampath, V), STRUCTURAL EVOLUTION OF THE NiTi/NiFeGa SMART HYBRID MATERIAL DURING SEVERE PLASTIC DEFORMATION, *DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES*, Issue: 3, 2019, Volume: 14, Pages: 539-546, WOS:000482729500004, IF=0.638 (2018)
16. Paleu, V (Paleu, V); Gurau, G (Gurau, G.); Comaneci, RI (Comaneci, R., I); Sampath, V (Sampath, V); Gurau, C (Gurau, C.); Bujoreanu, LG (Bujoreanu, L. G.), A new application of Fe-28Mn-6Si-5Cr (mass%) shape memory alloy, for self-adjustable axial preloading of ball bearings, *SMART MATERIALS AND STRUCTURES*, Issue: 7, 2018, Volume: 27, Article Number: 075026, 11PP, WOS:000434708400002, IF= 3.543 (2018)
17. Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe)-Autor correspondent; Sampath, V (Sampath, V.), Structural study and phase transformation of Cu-Al-Ni shape memory alloy produced by severe plastic deformation, *INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES*, Issue: 1, (2018) Volume: 25, Pages: 5-10, WOS:000435426100001, IF= 0.794(2018)
18. Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Sampath, V (Sampath, Vedamanickam); Bujoreanu, LG (Bujoreanu, Leandru Gheorghe), Investigations of a nanostructured FeMnSi shape memory alloy produced via severe plastic deformation, *INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS*, Issue: 11, Volume: 23, Pages: 1315-1322, WOS:000387567400010, IF= 1.221(2018)
19. Iticescu, C (Iticescu, Catalina); Georgescu, LP (Georgescu, Lucian P.); Gurau, G (Gurau, Gheorghe); Murarescu, M (Murarescu, Monica); Dima, D (Dima, Dumitru); Murariu, G (Murariu, Gabriel); Gheorghies, C (Gheorghies, Constantin), METHODS TO REDUCE ENVIRONMENTAL IMPACT OF MUNICIPAL WASTE WATER SEWAGE SLUDGE, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, Issue: 10, Volume: 14, 2015, Pages: 2457-2463, WOS:000366335000022, IF= 1.186(2018)
20. Bujoreanu, LG (Bujoreanu, L. G.); Comaneci, RI (Comaneci, R. I.); Gurau, G (Gurau, G.); Lohan, NM (Lohan, N. M.); Suru, MG (Suru, M. G.); Pricop, B (Pricop, B.); Goanta, V (Goanta, V.); Musat, V (Musat, V.); Istrate, B (Istrate, B.); Mihalache, E (Mihalache, E.), Thermomechanical training effects of multifunctional modules processed by high-speed high pressure torsion, *INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES*, Issue: 4, 2015, Volume: 22, Pages: 367-375, WOS:000363078700001, IF= 0.794(2018)
21. Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Potecasu, O (Potecasu, Octavian); Alexandru, P (Alexandru, Petrica); Bujoreanu, LG (Bujoreanu, Leandru-Gheorghe), Novel High-Speed High Pressure Torsion Technology for Obtaining Fe-Mn-Si-Cr Shape Memory Alloy Active Elements, *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, Issue: 7, 2014, Volume: 23 Pages: 2396-2402, WOS:000339010700018, IF= 1.476(2018)
22. Gurau, G (Gurau, G.); Gurau, C (Gurau, C.); Braz-Fernandes, FM (Braz-Fernandes, F. M.); Bujoreanu, LG (Bujoreanu, L. G.), An experimental study on the response of equal channel angular pressed aluminium subjected to cold rolling, *INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES*, Issue: 3, 2014, Volume: 21, Pages: 253-258, WOS:000339305400002, IF= 0.794(2018)
23. Dumitru, FD (Dumitru, Florina-Diana); Ghiban, B (Ghiban, Brundasa); Cabrera-Marrero, JM (Cabrera-Marrero, Jose Maria); Higuera-Cobos, OF (Higuera-Cobos, Oscar-Fabian); Gurau, G (Gurau, Gheorghe); Ghiban, N (Ghiban, Nicolae), MICROSTRUCTURAL, THERMICAL AND MECHANICAL CHARACTERISATION OF ZK60 ALLOY PROCESSED THROUGH ECAP, *METALURGIA INTERNATIONAL*, Special Issue: 2, 2013, Volume: 18 Pages: 33-36, WOS:000315312100007, IF= 0.134(2012)
24. C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Alexandru, P (Alexandru, Petrica); Ghiban, N (Ghiban, Nicolae), ULTRAFINE MICROSTRUCTURES OF STEEL X60 INDUCED BY SEVERE PLASTIC DEFORMATION, *METALURGIA INTERNATIONAL*, Special Issue: 2, 2013, Volume: 18, Pages: 37-41, WOS:000315312100008, IF=0.134(2012)
25. Mahesh, KK (Mahesh, K. K.); Fernandes, FMB (Braz Fernandes, F. M.); Gurau, G (Gurau, G.), Stability of thermal-induced phase transformations in the severely deformed equiatomic Ni-Ti alloys, *JOURNAL OF MATERIALS SCIENCE*, Issue: 16, 2012, Volume: 47, Pages: 6005-6014,

- WOS:000304616000012, IF= 3.442(2018)
26. Fernandes, FMB (Braz Fernandes, F. M.); Gurau, C (Gurau, Carmela); Mahesh, KK (Mahesh, K. K.); Silva, RJC (Cordeiro Silva, Rui J.); Gurau, G (Gurau, Gheorghe) STRUCTURAL STUDY OF EXTRUDED CuAl1(3)Ni(4) SHAPE MEMORY ALLOY, METALURGIA INTERNATIONAL, Volume: 16, Issue: 9, Pages: 19-23, WOS:000292950400004, IF= 0.134(2012)
 27. Gurau, C (Gurau, Carmela); Drugescu, E (Drugescu, Elena); Gurau, G (Gurau, Gheorghe); Cananau, N (Cananau, Nicolae), HEAT TREATMENTS ON THE 13% ALUMINUM COPPER BASED SHAPE MEMORY ALLOY, METALURGIA INTERNATIONAL, Issue: 12, 2009, Volume: 14 Pages: 16-20, WOS:000270922700003, IF=0,134(2012)
 28. Cananau, N (Cananau, N.); Gurau, C (Gurau, C.); Gurau, G (Gurau, Gh.) THERMODYNAMIC CONSIDERATIONS AT THE SEVERE PLASTIC DEFORMATION, METALURGIA INTERNATIONAL, Volume: 14, 2009, Pages: 73-76, WOS:000265001700017, IF=0.134(2012)
 29. Gurau, G (Gurau, G.); Gurau, C (Gurau, C.); Bujoreanu, LG (Bujoreanu, L. G.); Sampath, V (Sampath, V.), A Versatile Method for Nanostructuring Metals, Alloys and Metal Based Composites, Materials Science and Engineering, Volume: 209, 2017, Article Number: UNSP 012036, WOS:000423732100036
 30. Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Sampath, V (Sampath, V.); Silva, RC (Silva, Rui Cordeiro), INFLUENCE OF THERMOMECHANICAL TREATMENTS ON CHARACTERISTIC OF CuAlNi SHAPE MEMORY ALLOY, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Vol1, 2016 Pages: 175-182, WOS:000391648800023
 31. Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Alexandru, P (Alexandru, Petrica), INVESTIGATION OF THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF Cu/Al MULTILAYER FABRICATED BY SEVERE PLASTIC DEFORMATION, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Vol I, 2016, Pages: 199-206, WOS:000391648800026
 32. Bujoreanu, LG (Bujoreanu, Leandru-Gheorghe); Goanta, V (Goanta, Viorel); Cimpoesu, N (Cimpoesu, Nicanor); Gurau, C (Gurau, Carmela); Suru, MG (Suru, Marius-Gabriel); Mihalache, E (Mihalache, Elena); Gurau, G (Gurau, Gheorghe), Hardness-gradient reversion in FeMnSiCr shape memory alloy modules produced by high-speed high pressure torsion, Book Series: MATEC Web of Conferences, Volume: 33, 2015, Article Number: UNSP 04001, WOS:000372402800038
 33. Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Sampath, V (Sampath, V.); Musat, V (Musat, Viorica), Effects of HSHPT on the martensitic transformation behaviour of an NiTi alloy, Book Series: MATEC Web of Conferences, Volume: 33, 2015, Article Number: 03007, WOS:000372402800022
 34. Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Sampath, V (Sampath, V.), Investigation of microhardness evolution in an ultrafine grained NiTi alloy formed via high speed high pressure torsion (HSHT), Book Series: MATEC Web of Conferences, Volume: 33, 2015, Article Number: 03003, WOS:000372402800018
 35. Pricop, B (Pricop, B.); Soyler, U (Soyler, U.); Ozkal, B (Ozkal, B.); Suru, MG (Suru, M. G.); Lohan, NM (Lohan, N. M.); Comaneci, RI (Comaneci, R. I.); Cimpoesu, N (Cimpoesu, N.); Musat, V (Musat, V.); Gurau, G (Gurau, G.); Istrate, B (Istrate, B.), A study of martensite formation in powder metallurgy Fe-Mn-Si-Cr-Ni shape memory alloys, MATERIALS TODAY-PROCEEDINGS, Volume: 2, 2015, Pages: 789-792, WOS:000371032100070
 36. Gurau, G (Gurau, G.); Gurau, C (Gurau, C.); Fernandes, FMB (Fernandes, F. M. B.); Bujoreanu, LG (Bujoreanu, L. G.), Effect of high speed high pressure torsion parameters on grain refinement of coned shape Fe based SMA active elements, MATERIALS TODAY-PROCEEDINGS, Volume: 2, 2015, Pages: 897-900, WOS:000371032100096
 37. Gurau, C (Gurau, C.); Gurau, G (Gurau, G.); Bujoreanu, LG (Bujoreanu, L. G.); Fernandes, FMB (Fernandes, F. M. B.), A comparative study of austenitic structure in NiTi and Fe based shape memory alloys after severe plastic deformation, MATERIALS TODAY-PROCEEDINGS, Volume: 2, 2015 Pages: 905-908, WOS:000371032100098
 38. Gurau, G (Gurau, Gheorghe); Alexandru, P (Alexandru, Petrica); Musat, V (Musat, Viorica) [1]; Gurau, L (Gurau, Liviu), A COMPARISON OF THE STRUCTURE AND PROPERTIES OF HSLA STEEL COLD ROLLED AND SEVERE PLASTIC DEFORMED BY HIGH SPEED HIGH PRESSURE TORSION, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Vol I, 2014, Pages: 3-10, WOS:000366136600001
 39. Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Fernandes, FMB (Braz Fernandes, Francisco Manuel), EFFECT OF SEVERE DEFORMATION ON THE SHAPE MEMORY MICROSTRUCTURE OF A COPPER BASED ALLOY, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Vol I, 2014, Pages: 61-68, WOS:000366136600009
 40. Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Bujoreanu, LG (Bujoreanu, Leandru-Gheorghe); Fernandes, FMB (Braz Fernandes, Francisco Manuel), HIGH SPEED HIGH PRESSURE TORSION EFFECTS ON A DIFFICULT DEFORMABLE SHAPE MEMORY ALLOY, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, VOL I Pages: 93-99, WOS:000366136600013
 41. Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Potecasu, F (Potecasu, Florentina), THE LONG TERM CORROSION BEHAVIOR OF A SHAPE MEMORY ALLOY IN SEAWATER SUBJECTED TO VARIOUS PLASTIC DEFORMATION PROCESSES, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, VOL I, 2014, Pages: 173-180, WOS:000366136600024
 42. Dumitru, FD (Dumitru, Florina-Diana); Ghiban, B (Ghiban, Brandusa); Cabrera, JM (Cabrera, Jose Maria); Higuera-Cobos, OF (Higuera-Cobos, Oscar-Fabian); Gurau, G (Gurau, Gheorghe); Ghiban, N (Ghiban, Nicolae), Microstructural and Calorimetric Analysis of ZK60 Alloy Processed by ECAP, MATERIALS AND STRUCTURES, Volume: 682, 2013, Pages: 169-175, WOS:000323138000022
 43. Mahesh, KK (Mahesh, K. K.); Fernandes, FMB (Fernandes, F. M. B.); Silva, RJC (Silva, Rui J. C.); Gurau, G (Gurau, G.), Phase transformation and structural study on the severely plastic deformed Ni-Ti alloys, Physics Procedia, Volume: 10, 2010, Pages: 22-27, WOS:000287139300004
 44. Mahesh, KK (Mahesh, Karimbi K.); Fernandes, FMB (Braz Fernandes, Francisco M.); Gurau, G (Gurau, Gheorghe), Phase Transformation in Ni-Ti Shape Memory and Superelastic Alloys Subjected to High Pressure Torsion, Advanced Materials Research, Volume: 123-125, 2010, Pages: 1007, WOS:000289269600246
 45. Fernandes, FMB (Fernandes, Francisco M. Braz) [1]; Mahesh, KK (Mahesh, Karimbi K.) [1]; Silva, RJC (Silva, Rui J. C.) [1]; Gurau, C (Gurau, Carmela) [2]; Gurau, G (Gurau, Gheorghe), XRD study of the transformation characteristics of severely plastic deformed Ni-Ti SMAs, PHYSICA STATUS SOLIDI C, Issue: 5, 2010, Volume: 7, Pages: 1348-1350, WOS:000289858300013
 46. Dumitru, FD (Dumitru, Florina-Diana); Ghiban, B (Ghiban, Brandusa); Cabrera, JM (Cabrera, Jose-Maria); Higuera-Cobos, OF (Higuera-Cobos, Oscar-Fabian); Gurau, G (Gurau, Gheorghe); Ghiban, N (Ghiban, Nicolae), Calorimetric Analysis of a Mg-Zn-Zr Alloy Processed by Equal Channel Angular Pressing via Route A, BIOMMEDD V, Book Series: Key Engineering Materials, Volume: 583, 2014, Pages: 32, WOS:000336552600006, IF 0.224(2005)

ARTICOLE ÎN REVISTE ȘI VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE INDEXATE ÎN ALTE BAZE DE DATE INTERNAȚIONALE [BDI]

1. Gurau, G., Gurau, C., Gurau, L., Achieving ultra-fine grained microalloyed steel by severe plastic process, IOP Conference Series: Materials Science and Engineering, Volume 485, Issue 1, 2019, Article number 012009 <https://www.scopus.com/record/display.uri?eid=2-s2.0-85063867814&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=3&citeCnt=0&searchTerm=>
2. Popa, M., Pricop, B., Comaneci, R.-I., Gurau, G., Vollmer, M., Krooss, P., Niendorf, T., Bujoreanu, L.-G., Processing effects on tensile superelastic

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