

Europass curriculum vitae

Personal information



Surname(s) / First name(s)

Gurău Gheorghe

Address(es)

Domnească Street no. 111, 800201 Galați, România

E-mail(s)

gheorghe.gurau@ugal.ro

Nationality(-ies)

Romanian

Date of birth

April 19th, 1963

Gender

M

Work experience

Dates

2003- 2008

Occupation or position held

Associate Professor,

Main activities and responsibilities

Research - Nanostructured materials, Shape Memory Alloys. Lecture Courses – Technology of Materials, Materials Testing, Total Quality Management. Supervision Master projects. Supervision license projects.

Name and address of employer

University *Dunărea de Jos* of Galați, Faculty of Metallurgy and Material Science, Plastic Deformation Department, Domnească Street no. 111, 800201 Galați, Romania

Type of business or sector

Education

Dates

1996-2003

Occupation or position held

Assistant professor

Main activities and responsibilities

Research. Delivery courses- Technology of Materials, Quality Management.

Name and address of employer

University *Dunărea de Jos* of Galați, Faculty of Metallurgy and Material Science, Plastic Deformation Department, Domnească Street no. 111, 800201 Galați, Romania

Type of business or sector

Education

Dates

1992-1996

Occupation or position held

Assistant

Main activities and responsibilities

Laboratory classes in Materials Technology, Computer Assistant Design, Phase Transformation in Solid State

Name and address of employer

University *Dunărea de Jos* of Galați, Faculty of Metallurgy and Material Science, Plastic Deformation Department, Domnească Street no. 111, 800201 Galați, Romania

Type of business or sector

Education

Dates

1991-1992

Occupation or position held

Tutor

Main activities and responsibilities

Delivering seminars in Technology of Materials. Mentor to students in the department.

Name and address of employer

Dunărea de Jos Galați University, Faculty of Metallurgy and Material Science, Plastic Deformation Department, Domnească Street no. 111, 800201 Galați, Romania

Type of business or sector

Education

Dates

1990 -1991

Occupation or position held

Engineer Technical Department

Main activities and responsibilities Plastic deformation technologies for special alloys
Name and address of employer SC INTFOR SA ,157 Portului Street, 800211, Galati Romania
Type of business or sector Cold Formed Longitudinally Welded Steel Hollow Sections

Dates 1988-1990

Occupation or position held Engineer Thermal treatments for gear wheel workshop

Main activities and responsibilities Manager heat treatment department

Name and address of employer IMU Bacău,

Type of business or sector Machine Tool (Metal Cutting Types) Manufacturing

Education and training

Dates 2002

Title of qualification awarded PhD in Materials Science and Engineering,

Title of the thesis Research on the influence of the chemical composition and the thermo-mechanical treatment on both structure and properties of aluminum bronze

Name and type of organisation providing education and training University *Dunărea de Jos* of Galați, Romania

Dates 1983-1988

Title of qualification awarded Diplomat Engineer

Principal subjects/Occupational skills covered Materials, Plastic deformation and Thermal Treatments

Name and type of organisation providing education and training Galați University, Mechanical Faculty, Department Plastic Deformation and Thermal Treatments

Dates 1978-1982

Title of qualification awarded Bachelor

Principal subjects/Occupational skills covered Electro mechanic in metallurgy

Name and type of organisation providing education and training Industrial Secondary school no.3 Galați

Personal skills and competences

Mother tongue(s)

România

Other language(s)

Self-assessment

European level (*)

English**French**

Understanding		Speaking				Writing			
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent User	C1	Proficient User	B2	Independent User	B1	Independent User	C1	Proficient User
B1	Independent User	C1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User

(*) Common European Framework of Reference (CEF) level

Social skills and competences

team spirit;

- good ability to adapt to multicultural environments, gained through abroad research collaboration.;
- good communication skills gained through my teaching experience

Organisational skills and competences

Leadership

- 2008- 2010 Vice Dean of Metallurgy and Materials Science Faculty
- 2004-2008 Member in management team of Department Plastic Deformation and heat Treatment
- good command of quality management processes (responsible for the implementation of quality audit in Faculty);

Technical skills and competences

- Shape Memory Alloys
- Design, Fabrication and Utilization severe plastic deformation tools for shape memory alloys
- Technology of Materials
- Materials Testing Functional materials,
- Materials Technology,
- Quality management

Computer skills and competences

good command of AutoCad, Inventor, Origine
good command of Microsoft Office™ tools (Word™, Excel™ and PowerPoint™);

Driving licence(s)

Driving licence B category

Additional information

Member of Romanian Society of Chemistry

Annexes

Complete list of papers

ANNEX

COMPLET LIST OF PAPERS

A. PH.D. THESIS Gurau G, Research on the influence of the chemical composition and the thermo-mechanical treatment on both structure and properties of aluminum bronze UDJ 2002

B. BOOKS

1. Nicolae Cănanău, **Gheorghe Gurău**, Ovidiu Dima, Carmela Gurău, Calitate totală.(Total Quality), Editura Didactică și Pedagogică București, 2005, ISBN 973-30-1532-6, Ediție revizuită și îmbunătățită, 2008, 404 pag (in Romanian).
2. **Gheorghe Gurău**, Tehnologia materialelor, (Technology of Materials), UDJ, Galați 2005 (in Romanian).
3. N.Cananau, **Gh.Gurau**, St.Dragomir, C.Gurau, Managementul calitatii si al productiei.(Management of Quality and Production) ISBN 973-700-065-x, Editura Aius Caraiova, 2005, pag 148, (in Romanian).
4. Nicolae Cănanău,, **Gheorghe Gurău**, Ovidiu Dima, Carmela Gurău, Sisteme de Asigurare a calității. Îndrumar de Laborator , (Quality Assurance Systems- tutorial) Galați 2003, ISBN 973-0-03268-8, 131 pag. (in Romanian).
- 5 .N.Cananau, D., Dima, **G.Gurau**, A.Gonzales Barajas Sisteme de asigurare a calității, (Quality Assurance Systems) Ed. Junimea, Iași, 1998, ISBN 973-37-0347-8, (in Romanian)
6. N.Cananau, D., Dima, **G.Gurau**, A.Gonzales Barajas Calitate Totală. Concepte de bază, (Quality Assurance Systems. Basic Concepts) Ed. Tehnică, Chișinău, 1998, ISBN 9975-910-35-1.* Cartea este reeditarea în Republica Moldova a Lucrării Sisteme de asigurare a calității(in Romanian)
7. N.Cananau, **G.Gurau** Comportarea la deformare a materialelor metalice. Ecuatii constitutive, (Plastic deformation Behavior of Metallic Materials - Constitutive Equations) Ed. Evrika, Brăila,1996, ISBN 973-97601-9-8, (in Romanian)
8. **G.Gurau**; O.Dima; N.Cananau; N.Cazacu; A.Gonzales Barajas, Evaluarea si certificarea sistemelor calității. (Evaluation and certification of quality systems) Editura Fundației Universității “Dunărea de Jos” Galați 2000, ISBN 973-8139-07-4, (in Romanian)
9. **G.Gurau**; O.Dima; N.Cananau; N.Cazacu; A.Gonzales Barajas, Sistemul calității ISO 9000 in întreprinderile mici si mijlocii din România.(Quality System ISO 9000 in Romanian)

organizations) Editura Fundației Universității “Dunărea de Jos” Galați. ISBN 973-8139-20-1, (in Romanian)

10. N.Cananau, **G.Gurau**; N.Cazacu. A.Gonzales Barajas, Managementul calitatii. (Quality Management) Editura Fundației Universității “Dunărea de Jos” Galați 2000, ISBN 973-8139-03-01, (in Romanian)

11. N.Cananau, **G.Gurau**; N.Cazacu. A.Gonzales Barajas, Instrumentele calității, tehnici preventive.(Tools of Quality preventive techniques) Editura Fundației Universității “Dunărea de Jos” Galați 2000, ISBN 973-8139-08-2, (in Romanian)

12.Cazacu, N.Cananau, **Gh.Gurau** – Introducere in ingineria calitatii.(Introduction in Quality engineering) Editura Fundației Universității “Dunărea de Jos” Galați 2000, ISBN, 973-8139-03-01, (in Romanian)

13. Nelu Cazacu, **Gheorghe Gurău**, Nicolae Cănanău, Ana Gonzales Barajas - Ingineria calității și proiectarea experimentelor, (Quality engineering and experiments design) Editura Fundației Universitare "Dunărea de Jos", Galați, 2001, ISBN, 973-8139-78-3, (in Romanian)

14. N.Cananau, D., Dima, **G.Gurau** ș.a.Tehnologia materialelor. Îndrumar de laborator (Technology of Materials – tutorial), vol.II Universitatea din Galați 1993, (in Romanian)

C. SCIENTIFIC PAPERS

1. Scientific paper published in ISI revues

1.F.M. Braz Fernandes, Karimbi K. Mahesh, Rui J. C. Silva, Carmela Gurau, **Gheorghe Gurau**, XRD Study Of The Transformation Characteristics Of Severely Plastic Deformed Ni-Ti Smas, Physica Status Solidi (C) volume 7, issue 5, date: may 2010, pages: 1348-1350

2. Karimbi K. Mahesh, Francisco M. Braz Fernandes, **Gheorghe Gurau** , Phase Transformation in Ni-Ti Shape Memory and Superelastic Alloys Subjected to High Pressure Torsion, Journal Advanced Materials Research (Volumes 123 - 125), Edited by Joong Hee Lee, Pages 1007-1010,2010, DOI 10.4028

3. K.K. Mahesh, F.M. Braz Fernandes*, R.J.C. Silva, **G. Gurau**, Phase transformation and structural study on the severely plastic deformed Ni-Ti alloys, Physics Procedia 00 (2010) 000–000, in press.

4. Carmela Gurau, Elena Drugescu, **Gheorghe Gurau**, Nicolae Cananau, Heat Treatments On The 13% Alumunum Copper Based Shape Memory Alloy, Metalurgia International Vol. XIV(2009) No.12, ISSN 1582-2214, P 16-20

5. N. Cananau , C. Gurau , **Gh. Gurau**, Termodymanic Considerations At The Severe Plastic Deformtion, Metalurgia International Vol. XIV (2009) Special Issue No.3, ISSN 1582-2214,P. 73-76

2. Scientific paper published in BDI revues

1. The effects of high pressure torsion on pure copper Gheorghe GURAU, Carmela GURAU, Nicolae CANANAU, Florentina POTECASU, Victor DOGARU, F M Braz FERNANDES, Revista Metalurgia nr.7, p.11 2010
2. Carmela Gurau, **Gheorghe Gurau**, Effects Of Plastic Deformation And Temperature On Microstructural And Mechanical Properties Of A Cu Al Ni Shape Memory Alloy, The Annals Of “Dunarea De Jos” University Of Galati, Fascicle IX Metallurgy And Material Science, ISSN 1453 – 083X, 2009 VOL II, P
3. **Gheorghe Gurau**, Carmela Gurau, Dinel Tanase, Pure Aluminum Severe Plastic Deformed By Equal Channel Angular Pressing, The Annals Of “Dunarea De Jos” University Of Galati, Fascicle IX Metallurgy And Material Science, ISSN 1453 – 083X, 2009 VOL II, P
4. Carmela Gurau, **Gheorghe Gurau**, Nicolae Cananau, Florentina Potecasu, Victor Dogaru, F M Braz Fernandes, The Temperature Effect On Aluminium Severe Deformed By High Pressure Torsion, The Annals Of “Dunarea De Jos” University Of Galati, Fascicle IX Metallurgy And Material Science, ISSN 1453 – 083X, 2009 VOL II, P
5. N Cananau, C Gurau, **G Gurau**, On The Thermodynamic And Kinetics Of The Severe Plastic Deformation Process, Bulletin Of The Polytechnic Institute Of Jassy, Tomul LV (LIX), FASC 2, 2009, ISSN 1453-1690, P.15-22.
6. N Cananau, L Gurau, **G Gurau**, P Alexandru, Experimental Researches On The Plastic Deformation Behaviour Of Cr Mo Alloyed Steel, Bulletin Of The Polytechnic Institute Of Jassy, Tomul LV (LIX), FASC2, 2009, ISSN 1453-1690, P.23-28.
7. E Drugescu, **G Gurau**, FM Braz Fernandes, C Gurau And N Cananau, X Ray Diffraction Analysis Of Copper Based Shape Memory Alloy In Different State Plastic Deformation, Bulletin Of The Polytechnic Institute Of Jassy, Tomul LV (LIX), FASC4, 2009, ISSN 1453-1690, P.165-170.
8. C. Gurau, **Gheorghe Gurau**, F. M. Braz Fernandes, X-ray diffraction study of the reverse martensitic transformation in Cu-Al-Ni shape memory alloy, The Annals Of “Dunarea De Jos” University Of Galati. Fascicle IX Metallurgy and Materials Science, N^o 2 - 2008, ISSN 1453-083X, pag.37
9. C. Gurau, **G. Gurau**, N. Cananau, Study of severe plastic deformation by torsion test, The Annals Of “Dunarea De Jos” University Of Galati. Fascicle IX. Metallurgy and Materials Science, N^o 2 - 2008, ISSN 1453-083X, pag.65
10. Nicolae CANANAU, Petrica ALEXANDRU, **Gheorghe GURAU**, Ionel PETREA Researches Concerning the Deformation Behaviour of Low Carbon Steel, The Annals Of

- “Dunarea De Jos” University Of Galati. Fascicle IX Metallurgy and Materials Science, N⁰ 2 - 2008, ISSN 1453-083X, pag.45
10. Nicolae CANANAU, Petrica ALEXANDRU, Ionel PETREA, **Gheorghe GURAU**, On the constitutive equation of a low carbon steel, The Annals Of “Dunarea De Jos” University Of Galati. Fascicle IX Metallurgy and Materials Science, N⁰ 2 - 2008, ISSN 1453-083X, pag.17
11. C Gurau, **G Gurau**, Petrică Alexandru, Nicolae Cananau, Two - way shape memory effect in a Cu-13wt. %Al-4 Wt.%Ni shape memory alloy by the thermo -mechanical cycling method, The Annals Of “Dunarea De Jos” University Of Galati. Fascicle IX Metallurgy and Materials Science, N⁰. 2 din 2007, pag.94, ISSN 1453-083X
12. N Cananau, **G Gurau**, P Alexandru,, Model for evaluation of bending body intensity and correlation of the semiplanetary rolling process factor, Bulletin of the Polytechnic institute of Jassy, Tomul LII, 2007, ISSN 1453-1690, pag.41-49.
13. **G Gurau**, C Gurau, Dinel TANASE, Elena Drugescu ,Severe plastic deformation an advanced method for nanostructuring shape memory alloys, ” University Of Galati. Fascicle IX Metallurgy and Materials Science, N⁰. 2 - 2007, ISSN 1453-083X pag.111, 8. N Cananau, C Gheorghies, **G Gurau**, C Gurau, Changes of the fine structure and microstructure induced by semi-planetary rolling, Bulletin of the Polytechnic institute of Jassy, Tomul LII, 2007, ISSN 1453-083X, p.49-55
14. **G. Gurau**, C. Gurau, N. Andronache, Kinetic of Martensite Transformation in a Cu-13wt % Al-4 wt % Ni Shapoe Memory Alloy, The Annals Of “Dunarea De Jos” University Of Galati. Fascicle IX Metallurgy and Materials Science, N⁰ 2 – 2006, ISSN 1453-083X, pag.95-98
15. N. Cananau, **G. Gurau**, G. Corobete , Experimental Equation of Deformation Behaviour of Concrete Steel,” University Of Galati. Fascicle IX Metallurgy and Materials Science, N⁰.2 ISSN 1453-083X, 2006, pag.23-27
16. Cananau N., Alexandru P., **Gurau G.**, Preda A., Researches concerning the correlation of the semiplanetary rolling factors, ” University Of Galati. Fascicle IX Metallurgy and Materials Science, N⁰1 - 2006,, ISSN 1453-083X, pag.27-30
17. C Gurau, **G Gurau**, Processing SMA from Cu-Al-Ni system, ”University Of Galati. Fascicle IX Metallurgy And Materials Science, N⁰1 - 2006,, ISSN 1453-083X, pag.49-54.
18. Cananau N., **Gurau Gh.**, Hanganu D., Semi-planetary rolling process and experimental simulation. Bulletin of the Polytechnic institute of Jassy, Tomul LI(LV), Fascicle No.2 - 2005, Materials science and engineering, pag.66-73.
19. Cananau N., Gurau Gh., Hanganu D., Theoretical solution of forge cutting process.Buletinul Institutului Politehnic din Iasi, tomul LI(LV), fasc.2, Stiinta si ingineria materialelor, 2005, p. 59-65.

2. Scientific paper published in CNCSIS revues

1. E. Drugescu, C. Gurău, **G. Gurău** Influența tratamentelor termice asupra caracteristicilor unui AMF cu baza cupru, (Influence of thermic treatments on Cu based AMF), Lucrările celei de-a treia Conferință Națională a Academiei de Științe Tehnice din România, Cluj Napoca 12-13 noiembrie 2008, Ingineria Românească Trecut, Prezent și Viitor, Editura MEDIAMIRA ISBN 978 973 713 223 9, pag.249, (in Romanian)
2. **G Gurau**, C.Gurau, E Drugescu, F M Braz Fernandez, Martensite transformation in a Cu-13wt.%Al4wt.%Ni shape memory alloy, 39th International October Conference On Mining and Metallurgy, Socobanja, Serbia, 2007, p.258-264
3. **G. Gurau**, C. Gurau, N Cananau, D Hanganu, P Alexandru, Hard deformable Cu-13wt.%Al4wt.%Ni shape memory alloy, 39th International October Conference On Mining and Metallurgy, Socobanja, Serbia, 2007, p.258-264
4. **G. Gurau**, C. Gurau, D Tanase, Processing Smart Wires Cu Al Ni System, The 15th International Metallurgical and materials Conference, Metal 2006, 24-26 May 2006, Society for New materials and Technology, ASM International Czech Chapter, Technical University Ostrava, 2006 paper 91,ISBN 80-86840-18-2
5. N.Cănănaș, C.Gurău, **G.Gurău**, Total Quality elements in the academic management, TQSD Proceedings of the 7th International Conference on Technology and Quality for Sustained Development, 2006, organized by University Polytechnic of Bucharest in cooperation with Politecnico di Milano,Italy, De Monfort University, United Kingdom, AGir Publishing House, paper 503, ISBN 973-720-35-7
6. **G.Gurău**. D. Tănase, C.Gurău, , Smart Memory Alloy Cu Based Extrusion, TQSD Proceedings of the 7th International Conference on Technology and Quality for Sustained Development, 2006, organized by University Politehnica of Bucharest in cooperation with Politecnico di Milano,Italy, De Monfort University, United Kingdom, AGir Publishing House, paper 113, ISBN 973-720-35-7
7. N.Cananaș, **Gh.Gurau**, C.Gurau, M.Anghel, Semiplanetary rolling, motivation and theoretical studies. UGALMAT 2005, Technology and advanced material, Ed.Fundatiei universitare :”Dunarea de Jos” Galati, pag. 111, ISBN 973 – 627 – 238–9
8. N.Cananaș, C.Gurau, **Gh.Gurau**, Aspects of quality management to the academic education. UGALMAT 2005, Technology and advanced material, Ed.Fundatiei universitare :”Dunarea de Jos” Galati, pag. 178, ISBN 973 – 627 – 238–9
9. G. Gurau, C. Gurau, Shape memory alloy thin wires, Modeling and Optimization in Material Science, Odessa 2004, p.157, Astroprint, ISBN 966-318-117-6

10. N. Cananau, C. Gurau, **G. Gurau**, New research on Semiplanetary Rolling, Modeling and Optimization in Material Science, Odessa 2004, p.159, Astroprint, ISBN 966-318-117-6
11. **G.Gurau**, C.Gurău, O.Dima, The KIII Phase in Aluminum bronzes., Prediction in material Science, Odesa Ucraina, aprilie 2003, p173.Astroprint, ISBN 966-549-916-5

3. Scientific paper published in international conferences bulletins

- 1.K.K. Mahesh, F.M. Braz Fernandes, R.J.C. Silva, **G. Gurau**, Phase transformation and structural study on the severely plastic deformed NiTi alloys, EMRS Fall Meeting- Strasbourg, 2010
2. K. K. Mahesh, F. M. B. Fernandes (Universidade Nova de Lisboa, Portugal), and **G. Gurau** (Dunarea de Jose Univ. of Galati, Romania), Phase Transformation in Ni-Ti Shape Memory and Superelastic Alloys Subjected to High Pressure Torsion, The 3rd International Conference on Multi-Functional Materials and Structures MFMS 2010, September 14 – 18, 2010, Jeonbuk Provincial Government, Jeonju, Korea
3. K.K. Mahesh¹, F.M. Braz Fernandes¹, C.M. Craciunescu¹, **G. Gurau** Nanostructuring shape memory alloys by severe plastic deformation II ANNUAL MEETING I3N 2010, Fatima Portugal 5/7 februarie 2010
4. F. M. Braz Fernandes, K. K. Mahesh, R. J. C. Silva, C. Gurau, **G. Gurau**, In situ XRD, DSC and Electrical Resistivity Analysis of Nanostructured Ni-Ti Shape Memory Alloys, MATERIAIS 2009 - Recent Advances In Characterization, Processing, Design And Modelling Of Structural And Functional Materials, 5/8 aprilie 2009, Lisbon, Portugal
5. K Mahesh, FM Braz Fernades, RJC Silva, C Gurau, **G Gurau**, In situ XRD study of the transformation characteristics of severe plastic deformed NiTi SMAs, E-MRS Fall Meeting 2009, Simposium H, Warsaw, University of Technology Poland, 14-18 Sept, 2009
6. F. M. Braz Fernandes, C.Gurau, **G. Gurau**, STRUCTURAL STUDY OF EXTRUDED CuAl13Ni4 SHAPE MEMORY ALLOY, ESOMAT Prague 2009, September 7-11, B1.49
7. **G.Gurau**, F. M. Braz Fernandes , C. Gurau, K. K. Mahesh, R. J. C. Silva, High pressure torsion (HPT) applied on Cu-Al-Ni shape memory alloy, ESOMAT Prague 2009, September 7-11, B1.50
8. F.M. Braz Fernandes, K.K. Mahesh, R.J.C. Silva, C. Gurau, **G. Gurau** , In situ XRD, DSC and electrical resistivity analysis of nanostructured Ni-Ti shape memory alloys , Paper accepted for presentation at Fifth International Materials Symposium the 5th to the 8th of April 2009 (MATERIAiS 2009), Lisbon, Portugal

9. **G Gurau**, C.Gurau, E Drugescu, F M Braz Fernandez, Martensite transformation in a Cu-13wt.%Al4wt.%Ni shape memory alloy, 39th International October Conference On Mining and Metallurgy, Socobanja, Serbia,2007, p.258-261
10. **G Gurau**, C Gurau, N Cananau, D Hanganu, P Alexandru, Hard deformable Cu-13wt.%Al4wt.%Ni shape memory alloy, 39th International October Conference On Mining and Metallurgy, Socobanja,2007, Serbia, p.262-264
11. C.Gurau, F.M.Braz Fernandes, **G.Gurau**, Cu-12.88Al-4Ni (wt %) Polycrystalline Shape Memory Alloy – Transformation Characteristics, European Congress on Advanced Material and Processes, 10-13 Sept 2007 Nurnberg, Germany
12. **G.Gurau**, C.Gurau, F.M.Braz Fernandes, Cu-12.88Al 4Ni (wt %) Polycrystalline Shape Memory Alloy- Elaboration and Characterization, European Congress on Advanced Material and Processes, 10-13 Sept 2007 Nurnberg, Germany
13. C Gurau, **G Gurau**, P Alexandru, N Cananau, Two - Way Shape Memory Effect in a Cu-13wt. %Al-4wt.%Ni Shape Memory Alloy By The Thermo -Mechanical Cycling Method, , Technology and advanced material, Conferință Științifică UgalMat 2007, volII, Galați University Press,ISSN 1843-5807p. 97-106
14. **Gheorghe Gurau**, Carmela Gurau, Dinel Tanase, Elena Drugescu, Severe Plastic Deformation An Advanced Method For Nanostructuring Shape Memory Alloys, Tehnologii și materiale avansate, Conferință Științifică UgalMat 2007, volII, Galați University Press,. ISSN 1843-5807,p. 110-114
15. **Gheorghe Gurau**, Carmela Gurau, O Nouă Metodă De Deformare Plastică Severă Pentru Materiale Cu Memoria Formei Greu Deformabile, (A new SPD method for hard deformable Shape Memory Alloy) Tehnologii și materiale avansate, Conferință Științifică UgalMat 2007, ISSN 1843-5807, p.114-118, (in Romanian)
16. C Gurau, **G Gurau**, E Drugescu, Imbatranirea In Faza Martensitica A Aliajelor Cu Memoria Formei Cu Baza Cupru, (Aging in Martensite State of Cu based Shape Memory Alloys) Tehnologii și materiale avansate, Conferință Științifică UgalMat 2007, volII, Galați University Press,. ISSN 1843-5807,p. 102-105, (in Romanian)
17. C Gurau, **G Gurau**, N Cananau Total Quality Elements In Academic Management, TQSD- Proceedings on the 7th* International Conference Technology and Quality for Sustained Development, 2006, p.134-140, AGIR Publishing House, ISBN 973-720-35-7
18. **G Gurau**, D Tanase, C Gurau, Smart Memory Alloy Cu Based Extrusion,TQSD- Proceedings on the 7th* International Conference Technology and Quality for Sustained Development, 2006 p.113-117, AGIR Publishing House, ISBN 973-720-35-7

19. N.Cananau ; **Gh.Gurau** ; C.Gurau; M.Anghel, Semiplanetary rolling, motivation and theoretical studies. UgalMat – Conferinta cu participare internationala Tehnologii Si Materiale Avansate, Proceeding, Galati Oct. 2005 p.111 -117, Ed. Fund. Univ. Dunarea de Jos Galati, ISBN 973 – 627 – 238–9

17. N.Cananau; C.Gurau; **Gh.Gurau**, Aspects of quality management to the academic education., UGALMAT 2005-Tehnologii si materiale avansate, Conferinta cu participare internationala Galati, Oct. 2005, 2005,p. 178-184, Editura Fundației Universității „Dunarea de Jos” din Galati, ISBN 973 – 627 – 238–9

18. **G. Gurău**, C., Gurău, N. Cănanău, Cercetări privind obținerea prin deformare plastică a unor semifabricate din aliajul CuAl13Ni4 (Research concerning plastic deformation of CuAl13Ni4 alloy). Lucrarile conferintei internationale „Tehnologii si materiale avansate”. Simpozionul National de Biometale. Universitatea Dunărea de jos Galați 2004 p..203-207, Ed. Fund. Univ. Dunarea de Jos Galati, ISBN-973-627-066-1, (in Romanian)

19. C.Gurau, **G.Gurau**, N.Cananau, Studiu cu privire la transformările structurale in aliajele cu memoria formei din sistemul Cu-Al-Ni,(Research concerning structural transformation in Cu-Al-Ni system) Lucrarile conferintei internationale „Tehnologii si materiale avansate”. Simpozionul National de Biometale, Universitatea Dunărea de jos Galați p. 138-142 Ed. Fund. Univ. Dunarea de Jos Galati, ISBN-973-627-066-1, (in Romanian)

20. C. Gurău, **G. Gurău**, N.Cănanău, Evaluarea sistematică la nivelul managementului calității proces fundamental în organizațiile cu specific de turnătorie, (Systematic evaluation fundamental process in Foundry Plant) Conferinta ART CAST 2004. Facultatea de Metalurgie și Știința Materialelor, Universitatea “Dunărea de Jos” Galați, 2004 Ed. Fund. Univ. Dunarea de Jos Galati, ISBN 973-8316-43-X.

21. **G. Gurău**, Carmela Gurău N.Cănanău, Auditul o formă de îmbunătățire continuă a sistemelor de management al calității în turnătorii, (Quality audit a way to continuous quality improvement) Conferinta ART CAST 2004. Facultatea de Metalurgie și Știința Materialelor, Universitatea “Dunărea de Jos” Galați, 2004, Ed. Fund. Univ. Dunarea de Jos Galati, ISBN 973-8316-43-X. (in Romanian)

E. RESEARCH PROIECTS BASED ON CONTRACT

National Projects

Member of research team:

1. Process of reducing tension stress at slab continue cast, INVENT Program ,174/2004, 2005-2006.

2. Training program for development of management, organization and control ability in company management, human resources, quality, accounting and production, Phare Program: - COD PERSEUS RO2002/000-586.05.02.02.101, 2002-2004.

3. Multifunctional zinc oxide-based nanostructures: from materials to a new generation of devices – MULTINANOWIRES - Proiect nr. MNT 7- 029/2010, tip: PARTENERIATE ÎN DOMENII PRIORITARE, 2010-2012.

E. BREVETS

N.Cananau, O.Potecașu, G.Gurau, P.Alecsandru, Proceeding of bending continued cast slab and bending and drawing machine Brevet no.122025, 28.11.2008

F. EDITOR OF JURNAL

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