



## Curriculum vitae Europass

### Personal data

Name / Surname **CIUPITU ION**  
Address CALUGARENI street, no.1, DROBETA TURNU SEVERIN, MEHEDINTI, postal code 220037  
Phone(s) +40.0252.311.226 Mobile:  
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E-mail(s) [ion\\_ciupitu@yahoo.com](mailto:ion_ciupitu@yahoo.com)  
Nationality Romanian  
Birth date October 9, 1954  
Gender Male

### Professional experience

Period **04/2012 - present**  
Occupation or position held **Vice Rector**  
Activities and main responsibilities **Academical activity**  
Employer name and address University of Craiova  
Activity type Higher education  
Activity type Higher education  
Period **2008 – 2011**  
Occupation or position held **Dean**  
Activities and main responsibilities **Academical activity**  
Employer name and address Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Mehedinti, Romania  
Activity type Higher education  
Period **2007 – present**  
Occupation or position held **Professor**  
Activities and main responsibilities **Academical activity**  
Employer name and address Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Mehedinti, Romania

Activity type	Higher education
Period	<b>2002-2008</b>
Occupation or position held	<b>Head of department</b>
Activities and main responsibilities	<b>Academical activity</b>
Employer name and address	Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Mehedinti, Romania
Activity type	Higher education
Period	<b>1992 - 1996</b>
Occupation or position held	<b>Vicedean</b>
Activities and main responsibilities	<b>Academical activity</b>
Employer name and address	Faculty of Mechanics, University of Craiova, Romania
Activity type	Higher education
Period	<b>1991 - 1992</b>
Occupation or position held	<b>Scientific councilor</b>
Activities and main responsibilities	<b>Academical activity</b>
Employer name and address	Faculty of Mechanics, University of Craiova, Romania
Activity type	Higher education
Period	<b>2004 - present</b>
Occupation or position held	<b>Professor</b>
Activities and main responsibilities	<b>Academical activity</b>
Employer name and address	Faculty of Mechanics, University of Craiova, Romania
Activity type	Higher education
Period	<b>2001 – 2004</b>
Occupation or position held	<b>Associate professor</b>
Employer name and address	Faculty of Mechanics, University of Craiova, Romania
Activity type	Higher education
Period	<b>1990 - 2001</b>
Occupation or position held	<b>Lecturer</b>
Employer name and address	Faculty of Mechanics, University of Craiova, Romania
Activity type	Higher education
Period	<b>1983-1990</b>
Occupation or position held	<b>Universitary assistent engineer</b>
Employer name and address	Faculty of Mechanics, University of Craiova, Romania
Activity type	Higher education
Period	<b>1980-1982</b>
Occupation or position held	<b>Technical engineer</b>
Employer name and address	OLTCIT S.A., Craiova, Romania
Activity type	Automotive industry
Period	<b>1984 - 2011</b>
Occupation or position held	<b>Manager and member in scientific research groups</b> (44 national and international funding projects)
Activities and main responsibilities	<b>Scientific research activity</b>
Employer name and address	University of Craiova, Romania
Activity type	Higher education

Period	<b>1984 - 2011</b>
Activities and main responsibilities	<b>Article author si co-author</b> (116), <b>book author si co-author</b> (laboratory guiding books 4, academic books 8)
Employer name and address	University of Craiova, Romania
Activity type	Article publishing and books
Period	<b>1984 - 2011</b>
Activities and main responsibilities	<b>Journals and conferences editor</b>
Employer name and address	University of Craiova, Romania
Activity type	<ul style="list-style-type: none"> <li>- Member in „Romanian association for unconventional technologies”, from 20.01.1994;</li> <li>- Member in „Romanian welding society”, from 01.08.1998</li> <li>- Member in „Romanian association of managers and economics engineers”, from 2002</li> <li>- Member in „Romanian engineers general association”, from 2004.</li> </ul>
<b>Education and forming</b>	
Period	<b>1961 - 1969</b>
Obtained qualification / diploma	Primary school diploma
Institution name and type	Primary School No.1, Craiova
Period	<b>1969 - 1974</b>
Obtained qualification / diploma	Baccalaureate diploma
Institution name and type	Mechanical Engineering Highschool No.1, Craiova
Period	<b>1975 - 1980</b>
Obtained qualification / diploma	Mechanical engineer, specialization: Technology of machinery building/ Bachelor of Science diploma
Institution name and type	Faculty of Technology of Machinery Building, University Politehnica of Bucharest, Romania
Period	<b>17 July 2002</b>
Obtained qualification / diploma	Summer School – University in society – UNISO 2002
Institution name and type	Drobeta Turnu Severin, Romania
Period	<b>14 – 16 July 2002</b>
Obtained qualification / diploma	Course for engineers (part I)
Institution name and type	IGIP – NMC, University of Klagenfurt, Austria
Period	<b>8 – 28 June 2003</b>
Obtained qualification / diploma	Tribological testing domain in various working environments (vid, hidrogen, argon)
Institution name and type	Seibelsdorf research institute, Austria
Period	<b>February 2004</b>
Obtained qualification / diploma	Socrates program
Institution name and type	Politehnical school from Turin, Alessandria, Italy
Period	<b>February 2004</b>
Obtained qualification / diploma	Participation at the „ Meeting of the EPMA education and training group”
Institution name and type	Politehnical school from Turin, Alessandria, Italy
<b>Aptitudes and personal competences</b>	
Foreign language(s)	1. French 2. German
Managing competences and aptitudes	Managing competence gained through the obtained specialisations and by the developed managing activities, written above

Technical competences and aptitudes	Materials science and engineering, Powder metalurgy, Composite materials, Plastic deformation, in accordance with the gained specialisations
PC using competences and aptitudes	Yes
Driver licence	Category B
<b>Annexes</b>	International programs participation, scientific research activity, publications, books, editor in journals, 6th Frame Program actions, summer schools, workshops, european programs

01.11.2014

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## Annex

### Research grants

1. Devices for furniture fabrication - 2157/ 1984, 1985, 600.000 lei, IML Craiova, Department Research Colective, CIUPITU I., student Vochescu A.;
2. Technology and devices for "Guiding plate" brench-mark execution no. 263-63 <sup>a</sup>l 264-649735/1984, 1985, 80.000 lei, C.Ch. Craiova, CIUPITU I., Zamfirache M., student Scarlatescu M;
3. Column machining device, 1030/, 1985, 1986, 82.000 lei, C.Ch. Craiova, CIUPITU I., Didu M., Grigorescu D.;
4. Axle straighten system, 1190/ 1985, 1986, 23.000 lei, I.O.B. Balș, CIUPITU I., Didu M, student Hîrca Florentina;
5. Segments milling agregate, 5450/1985, 1986, 53.000 lei, Anvelope Caracal, Didu M., CIUPITU I., student Nitu Maria;
6. Working place coiling and primary wrapping up at continuous energy transformers type Cirso 12-24 KV, 1703/1986, 1986, 36.000 lei, Electroputere Craiova, Didu M., CIUPITU I., student Puținelu A., Ionescu M.;
7. Automatic isostatic press 1000 tones force type P.I.A-1000, 425/1986, 1987, 347.000 lei, I.C.S.I.T MU Bucharest, department colective TCM+MU;
8. Group of dies for the execution of parts from electric cells type CNE Cernavodă, 1988, 50.000 lei, Enterprise "Electric Cells" Băilești, CIUPITU I., Neagu Al., student Vameșu Radu;
9. Cylindrical and conical metal ringing device, 308 C/1988, 1989, 25.000 lei Ferrous Metallurgy Enterprise "Victoria" Călan, Didu M., CIUPITU I.;
10. Research contract nr. 1084C/1993, beneficiary Ministry of Education and Research; director contract: prof.dr.eng. Sontea Sever; title: Experimental study – densification alloying elements for Cu alloys on physical-mechanical and wear properties;
11. Research contract nr. 663/10C/1996, beneficiary Ministry of Research and Technology; responsible contract: prof.dr.eng. Sontea Sever; title: Technological processes and processing systems of composites and electrotechnical materials;
12. Research contract nr. 663/10C/1996, 750/1997, beneficiary Ministry of Research and Technology; responsible contract: prof.dr.eng. Sontea Sever; title: Technological processes and processing systems of composites and electro technical materials;
13. Realisation and maintenance of an informational base for the constructive and technological design of the modulated elements attached to the extended set SEM 64, with applications in the aeronautic and electrotechnical industry, 603 / 96, additional papers 2 / 97 and 2/ 98, 1996 - 1998, theme A 13, MCT Tirpe Gh., CIUPITU I. et al.;
14. Research grant, code 544/1999, beneficiary C.N.C.S.I.S.; responsible grant: prof.dr.eng. Mangra Mihail; title: Research on processing of metallic magnetic materials, ceramics with application in machine buildings construction and electro technical industries;

15. Research contract nr. 663/1996, 333/1999), beneficiary A.N.S.T.I.; responsible contract: prof.dr.eng. Mangra Mihail; title: Composite materials with polymers, textile fibers, metallic wires, carbides, metallic magnetic materials and ceramics processed from raw materials from recovered wastes;
16. Research contract nr. 663/1996, 333/1999, beneficiary A.N.S.T.I.; responsible contract: prof.dr.eng. Sontea Sever; title: Ceramic, metallic composites powders, soft magnetic materials, nonferrous and special nonferrous materials;
17. Research contract nr. 663/1996, 153 I/2000, beneficiary A.N.S.T.I.; responsible contract: prof.dr.eng. Mangra Mihail; title: Composite materials with polymers, textile fibers, metallic wires, carbides, metallic magnetic materials and ceramics processed from raw materials from recovered wastes;
18. Composite ceramic powders with ceramic or metallic matrix. New non-ferrous ceramic materials with special applications. 663 / 96, additional papers 2 / 97, / 98 and / 99, 1999 10 mil / year, MCT Sontea S., CIUPITU I. , Didu M., Vaduioiu Gh. et al.;
19. Integration of the calculation technique in the design of the electro-energetical devices, 663 / 96, additional paper 662 / 99, 1999, MCT Dumitru N., CIUPITU I. et al.;
20. Studies regarding the elaboration of some metallic and ceramic magnetic materials with applicability in electrotechnical and automotive industries, 544 / 99 1999, 45 mil. CNCSU Mangra M., CIUPITU I. et al.;
21. Composite materials with textile fibres polymers, metallic, metallic carbides, metallic and ceramic magnetic materials realised from refurbished prime materials. 13C / theme A11/1999, 2000,7 mil., ANSTI, Mangra M., Didu M., CIUPITU I. et al.;
22. Technologies and equipments modulated multifunctional to produce parts made of metallic and ceramic powders organised in flexible system, 13C / theme 30, 1999, 2000, 2001 (code CNCSIS 339) 40 mil. CNCSU, Dumitru C., Didu M., CIUPITU I. et al.;
23. Studies on the SPS (Spark Plasma Sintering) mechanicm at the elaboration of some anisotropic ceramic magnets - Contract No. 35253/ theme 15 CODE CNCSIS 162, 2001, 42,400 MIL. LEI, Mangra M., CIUPITU I.et al.;
24. Research grants nr. 35253/2001, code 16, beneficiary C.N.C.S.I.S.; responsible grant: prof.dr.eng. Mangra Mihail; title: Research on SPS (Spark Plasma Sintering) on isotropic ceramic magnets processing;
25. Research grants nr. 33451/2002, code 941, beneficiary C.N.C.S.I.S.; responsible grant: conf.dr.eng. Ciupitu Ion; title: PM components for working devices manufacturing;
26. Working devices on machines, component elements realised by powder metallurgy - Contract No. 33451/23C theme 1 CODE CNCSIS 941, 2002, 50 mil. lei, CIUPITU I. et al.;
27. Working devices on machines, component elements realised by powder metallurgy - Contract No. 33547 / theme 2 CODE CNCSIS 271, 2003, 62,50 mil. lei, CIUPITU I. et al.;
28. Studies on the sintering under pressure with microwave heating - Contract No. 40202 / theme 6 CODE CNCSIS 727, 2003, 82,5 mil. lei, Mangra M., CIUPITU I. et al.;
29. Chemical composition and sintering atmosphere influences on the Cu - based antifriction sintered alloys - MRI Contract N<sup>O</sup>HPRI-CT-1999-00024 of the „ IMPROVING HUMAN POTENTIAL” program

of the EUROPEAN COMMISSION - ARC Seibersdorf research GmbH - Aerospace Materials Technology Testhouse, 08-28 June 2003, Wien, Austria - Gheorghe Ștefan and CIUPITU ION;

30. Research grants nr. 40202/2003, code 727, beneficiary C.N.C.S.I.S.; responsible grant: prof.dr.eng. Mangra Mihail; title: Research on sintering with microwave heating;

31. Research grants nr. 33062/2004, code 315, beneficiary C.N.C.S.I.S.; responsible grant: conf.dr.eng. Gheorghe Ștefan; title: Research on processing technology of antifriction Cu based materials with low tin content;

32. Research grants code 108/2005, beneficiary C.N.C.S.I.S.; responsible contract: prof. Mangra Mihail; title: Research on sintered carbon steels processing from mixtures of iron powders and cemented nanopowders;

33. Research grants code 108/2005, beneficiary C.N.C.S.I.S.; responsible contract: prof. Mangra Mihail; title: Research on sintered carbon steels processing from mixtures of iron powders and cemented nanopowders;

34. 6th Frame Program (FP6), FP6-013908/2005-2007, beneficiary : European Comision; project coordinator: Chalex Ltd., England; partner: University of Craiova, Faculty of Engineering and Management of the Technological Systems from Drobeta Turnu Severin – partnership coordination: prof. dr. eng. Mangra Mihail; title: Knowledge improvment regarding the nanoparticles impact on human health and environment; acronim : IMPART;

35. Contract code RO 2002/000 - 586.05.02.02.160, beneficiary : Regional Development Agency from South-West of Oltenia, Program Phare 2002 Economical and Social Cohesion - Human Resources Development; general manager: prof. dr. eng. Mangra Mihail; technical manager: prof.dr.eng. Ciolacu Filip ; title: Ocupational perfectioning and antreprenorial development in the technical field;

36. Research grant CEEX no. C85/2006, code 1592/2006, beneficiary CNCSIS-MATNANTEH, contract director: prof. Mangra Mihail; title: Knowledge development regarding the elaboration and microprocessing by powder metallurgy of nanostructured materials for MEMS components, acronim PRONANOMAT, coordinated by the University of Craiova;

37. Research grant CEEX no. 266/2006 code /2006, beneficiary CNCSIS, contract director: prof. Mangra Mihail; title: Plurifunctionalised microstructures for the covering of the titanium alloys by advanced technologies, acronim MICROFUNCTIA, coordinated by ISIM Timisoara;

38. Research grant CEEX no. 265/2006 code /2006, beneficiary CNCSIS, contract director: prof. Mangra Mihail; title: Virtual centre for integrated techmologies with applications of the electroacoustic energy in materials engineering, acronim ULTRATEH, coordinated by ISIM Timisoara;

39. Research grant CEEX no.131/2006, code /2006, beneficiary CNCSIS, contract director: prof. Mangra Mihail, scientific responsible: dr. eng. Gruionu Lucian, title: "Long term improvment of life quality for patients with arthroplasties, by the increasing of the prosthesis functionality life", coordinated by the "Politehnica" University from Bucuresti;

40. Framework Project 6 (FP6), FP6-013908/2005-2007, beneficiary European Commission; project coordinator: Chalex Ltd., Anglia; title: Improving of understanding on nanoparticles impact on human health and environment;

41. Research grant PN II no.71-135 /2007 code 3268/2007, brneficiary CNCSIS, grant director: dr. eng Savu Dan; title: Microbonding systems for circuit and encapsulated elements of the microsensors and actuators - acronim MICROWELD, coordinated by ISIM Timisoara;

42. 7th Frame Program - FP 7 218362-2008, Platform for the implementation of NAIADES, acronym PLATINA, beneficiary: European Commission, project coordinator: Via Donau – Osterreichische Wasserstra Gesellschaft mbH, Austria, partner University of Craiova, Faculty of Engineering and Management of Technological Systems;

43. Cooperation-Network for Logistics and Nautical Education focusing on Inland Waterway Transport in the Danube Corridor Supported by Innovative Solutions –acronym NELI, project in the Transitional Cooperation Program for SE Europe, no. SEE AF/A/223/1.3/X, beneficiary The European Commission, project coordinator: JTS Budapest, Hungary, partnership coordinator: prof. dr. eng I. Ciupitu;

44. Nanoalloys as Advanced Materials: from Structures to Properties and Applications - MPNS COST Action MP0903, acronym: Nanoalloys; partnership coordinator: prof. Gingu Oana.

45. SEE/D/0080/3.2/X - Harmonized Inland Navigation Transport through education and information technology – HINT, partnership coordinator UCV – Sorin SAVU.

46. 2012-EU-18067-S \_LNG Masterplan for Rhine - Main – Danube, partnership coordinator UCV - Gabriel Benga .

47. PROIECT PN-II-PT-PCCA-2013-4-2094, Nr. 244/2014: Cercetarea Substituiției Osoase Cu Materiale Biocompozite Fabricate Prin Tehnici Specifice Metalurgiei Pulberilor (BONY)- Oana GINGU – coordonare proiect

## Publications

### • Scientific papers published at international conferences

1. **CIUPITU, I.**, Sontea, Sever, Dragnei, Mihai - Researches regarding the possibility of obtaining new mechanic parts for devices used on cutting machining, MATEHN \*98, Second International Conference on Materials and Manufacturing Technologies, 10-13 September, 1998, Cluj-Napoca, pg. 537-542;

2. **CIUPITU, I.**, Sontea, Sever, Didu, Marin - Aspects regarding the dimensional variations of pressed parts from iron, graphite and copper mixtures, TMCR\*99 Modern technologies, quality, restructuration, Chisinau, Moldova, 27-29 May 1999, pg. 51-54;

3. Dumitru, N., **CIUPITU, I.**- Theoretical and experimental contributions to the modelling of the biological robots. RAAD 99/ 8th International Workshop on Robotics in Alpia-Adri-Danube Region, Munchen, Germania, 17-19 Iunie 1999, pg. 339-344;

4. **CIUPITU, I.**, Sontea, Sever, Didu, Marin - The characterization of presability and sintereng of the mixtures from iron and cooper and added graphite, 2 National Powder Metalurgy Conference with International Participation, Ankara, Turkey, 15-17 September 1999, pg. 149-154;

5. **CIUPITU, I.**, Sontea, S., Didu, M., Deliu, Ghe. - The studies concerneng presability and sintereng of the mixtures from iron powders and metalic carbides, DF PM 99, International Conference Deformation and Fracture in Structural PM Materials, Piestany, Slovakia, 19-22 September 1999;

6. **CIUPITU, I.**, Sontea, S., Didu, M. - The mechanical characteristics for ferrous sintering alloys, EUROMAT 99- European Congres on Advanced Materials and Processes, Munchen, Germany, 27-30 September 1999;



7. **CIUPITU, I.**, Dumitru, N., Didu, M., Gheorghe, S. - Cast iron powder with iron mixed with copper additions. 10th Proceedings of the International Metallurgy and Material Congress, Istanbul, Turkey, 24-28 May 2000, vol. III, pg. 1789-1796;
8. Didu, M., **CIUPITU, I.**, Teisanu, C. - Magnetic separation of metallic powders in liquid medium. 10th Proceedings of the International Metallurgy and Material Congress, Istanbul, Turkey, 24-28 May 2000, vol. III, pg. 1769-1772;
9. Gheorghe, S., **CIUPITU, I.** – The friction behaviour of some copper based alloys. 10th Proceedings of the International Metallurgy and Material Congress, Istanbul, Turkey, 24-28 May 2000, vol. II, pg. 919-924;
10. Gheorghe, S., Gingu, O., **CIUPITU, I.** - Pb content and sintering temperature influence on the dimensional change of CuSnZnPb sintered parts. RoPM 2000 - Second International Conference on Powder Metallurgy, Cluj-Napoca, 6-8 July 2000, pg. 775-778;
11. **CIUPITU, I.**, Sontea, S., Mangra, M., Gheorghe, S. Mechanical tests on Fe - SPEED STEEL - Cu - Graphite sintered parts. RoPM 2000 - Second International Conference on Powder Metallurgy, Cluj-Napoca, 6-8 July 2000, pg. 579-584;
12. **CIUPITU, I.**, Sontea, S., Didu, M. - Thermochemical treatments on Fe-Cu-Graphite sintered parts. RoPM 2000 - Second International Conference on Powder Metallurgy, Cluj-Napoca, 6-8 July 2000, pg. 431-436;
13. Didu, M., **CIUPITU, I.**, Dumitru, C. - Special equipments for the magnetic separation of the recovered powders. RoPM 2000 - Second International Conference on Powder Metallurgy, Cluj-Napoca, 6-8 July 2000, pg. 443-448;
14. Dumitru, N., Cherciu, M., **CIUPITU, I.** - About dynamical-modal analysis of the cylindrical gear. 5th International Conference on BOUNDARY and FINITE ELEMENT, 25-27 May 2000, University of Oradea, ROMANIA, pg.106-113;
15. Gheorghe, S., Mangra, M., Gingu, O., **CIUPITU, I.** - Radial crushing test of some Cu-based antifriction alloys using finite element method -2000 Powder Metallurgy World Congress, 12-16 November, 2000, Kyoto, Japan, pg.147;
16. **CIUPITU, I.**, Mangra, M., Gheorghe, S., Gingu, O. - Cast iron powder in mixtures. Mechanical tests. 2000 Powder Metallurgy World Congress, 12-16 November, 2000, Kyoto, Japan, pg.185;
17. **CIUPITU, I.**, Mangra, M., Gheorghe, S., Teisanu, C., - Study on wear guiding bushes of drills - 2nd World Tribology Congress, 03 - 07 September, 2001, Wien, Austria, pg. 642;
18. Mangra, M., Sima, G., Gingu, O., Teisanu, C., **CIUPITU, I.**, Gheorghe, S. - Tribological composite materials for the automotive industry. Physical and mechanical characteristics - 2nd World Tribology Congress, 03 - 07 September, 2001, Wien, Austria, pg. 491;
19. Gheorghe, S., Mangra, M., **CIUPITU, I.**, Gingu, O. - The influence of the manufacturing factors of the copper base sintered parts on wear strength. - 2nd World Tribology Congress, 03 - 07 September, 2001, Wien, Austria, pg. 138;
20. Gingu, O., Sima, G., Mangra, M., **CIUPITU, I.** - Wear behavior of Al/SiC composites depending on PM route manufacturing. - 2nd World Tribology Congress, 03 - 07 September, 2001, Wien, Austria, pg. 137;

21. Teisanu, C., Sontea, S., Mangra, M., **CIUPITU, I.**, Tudor, A. - Tribological behavior and characteristics of sintered iron based alloys. - 2nd World Tribology Congress, 03 - 07 September, 2001, Wien, Austria, pg. 136;
22. **CIUPITU, I.**, Dumitru, N., Gheorghe, St., Teisanu, C.,- Static analysis of the guiding bearing drill contact by finite element method.-Proceedings of the International Conference on Advanced Materials Processing Technologies, AMPT 01, vol. II, 18-21 September, 2001, Leganes, Madrid, Spain, pg. 737;
23. Teisanu, C., **CIUPITU, I.**, Mangra, M., Gheorghe, St.- The microstructure influence on mechanical properties of the sintered iron base alloys.- Proceedings of the International Conference on Advanced Materials Processing Technologies, AMPT 01, vol. II, 18-21 September, 2001, Leganes, Madrid, Spain, pg. 1607;
24. Gheorghe, St., Mangra, M., **CIUPITU, I.**, Porojan, A. - Sintered antifriction alloys. Experimental Methodology for optimal radial crushing strength determination.- Proceedengs of the International Conference on Advanced Materials Processing Technologies, AMPT 01, vol. II, 18-21 September, 2001, Leganes, Madrid, Spain, pg. 1599;
25. Mangra, M., Sima, G., Gingu, O., **CIUPITU, I.** - Influence of the cooling rate on Al/SiC +Graphite composite microstructure. - Proceedings of the International Conference on Advanced Materials Processeng Technologies, AMPT 01, vol. II, 18-21 September, 2001, Leganes, Madrid, Spain, pg. 1547;
26. **CIUPITU, I.**, Dumitru, N., Teisanu, C., Gheorghe, St. - Choice of Parameters Optimization of Sintereng Technology of Samples made of Iron, Cooper and Graphite Mixture Powder.-European Congress and Exhibition on Powder Metallurgy, Nice, France, 22-24 October 2001, pg. 292-296;
27. Gheorghe, S., **CIUPITU, I.**, Mangra, M., Teisanu, C. - Wear Resistant Alloys with Low Tin Content, European Congress and Exhibition on Powder Metallurgy, Nice, France, 22-24 October 2001;
28. Teisanu, C., **CIUPITU, I.**, Mangra, M. - Effect of Sintereng Temperature on Iron Base Antifriction Alloys, European Congress and Exhibition on Powder Metallurgy , Nice, France, 22-24 October 2001, pg. 351-355;
29. **CIUPITU, I.**, Dumitru, N., Teisanu, C., Gheorghe, St. - Dynamic analysis of the guiding bush by finite element method, Proceedings of the International Conference-Deformation and fracture in structural PM materials DFPM 2002, Stara Lesna, Slovakia,15-18 September 2002, pg. 210-213;
30. Didu, M., Teisanu, C., Dumitru, C., **CIUPITU, I.** - Hot plastic strain of some high strength parts made of recycled steel powder, Proceedings of the International Conference-Deformation and fracture in structural PM materials DFPM 2002, Stara Lesna, Slovakia,15-18 September 2002, pg. 184-187;
31. Teisanu, C., Mangra, M., Didu, M., Gheorghe, St., **CIUPITU, I.** - The influence of addition elements on sintered iron compacts micro hardness, Proceedings of the International Conference-Deformation and fracture in structural PM materials DFPM 2002, Stara Lesna, Slovakia,15-18 September 2002, pg. 188-192;
32. Teisanu C., Mangra M., Pascu I., Gheorghe St., **CIUPITU, I.** – The effect of alloying elements on the mechanical properties of PM Fe-Cu based antifriction alloys. Second International Conference on Advanced Materials and Structures AMS 2002, Timisoara, September 19-21, 2002, Romania, pg. 355;

33. **CIUPITU, I.**, Mangra M., Teisanu C., Gheorghe St. – PM Guiding bearings. Dimensional accuracy and roughness. Second International Conference on Advanced Materials and Structures AMS 2002, Timisoara, September 19-21, 2002, Romania, pg.101;
34. Mangra, M., **CIUPITU, I.**, Nicoara, V. – Studies regarding the SPS manufacturing of the oxide ceramic magnets. Second International Conference on Advanced Materials and Structures AMS 2002, Timisoara, September 19-21, 2002, Romania, pg. 237-240;
35. **CIUPITU, I.**, Calbureanu M., Teisanu C.- Punch stresses and deformations analysis useng finite element method- International Conference on Materials Science & Engineereng – Bramat 2003, 13-14 March, Brasov, Romania, pg. 87-92;
36. Calbureanu M., **CIUPITU, I.**, Teisanu C. - Bushing stresses and deformations analysis useng finite element method - International Conference on Materials Science & Engineereng – Bramat 2003, 13-14 March, Brasov, Romania, pg. 92-98;
37. Teisanu C., Didu M., **CIUPITU, I.**, Calboreanu M. – Sintering parameters influences on the iron base self-lubricateng beareng porosity - International Conference on Materials Science & Engineereng – Bramat 2003, 13-14 March, Brasov, Romania, pg.158 - 163;
38. Didu M., Teisanu C., **CIUPITU I.** – Thermochemical Treatements of the Grinding Recovered Metallic Powder Parts – PM2004 Powder Metalurgy World Congress and Exhibition, Wien, Austria, 17-21 October 2004, vol.1, pg. 273-278;
39. Teisanu C., Reinfried N., Didu M., **CIUPITU I.** – Research Regarding Self-Lubricating Iron Base Alloys Processed by SPS Technology - PM2004 Powder Metalurgy World Congress and Exhibition, Wien, Austria, 17-21 October 2004, vol.2, pg. 277-284;
40. Gheorghe St., **CIUPITU I.**, Merstallinge A., Kladler G. – Wear Behaviour of same Copper Porous Antifriction Alloys - PM2004 Powder Metalurgy World Congress and Exhibition, Wien, Austria, 17-21 October 2004, vol.4, pg. 769-775;
41. **CIUPITU I.**, Gheorghe St., Teisanu C. –Iron, cast iron and copper powders mixtures sintering characterzation, Proceedings of the 4<sup>th</sup> International Conference on Science, Technology and Aplications of Sintering, Grenoble, France, August 29 - September 1, 2005, pg. 402-405;
42. Teisanu C., Gheorghe St., **CIUPITU I.** – Sintering temperature influence on phisical characteristics of the sintered iron-copper based alloys, Proceedings of the 4<sup>th</sup> International Conference on Science, Technology and Aplications of Sintering, Grenoble, France, August 29 - September 1, 2005, pg. 507-510;
43. Gheorghe St., Teisanu C., **CIUPITU, I.**–Consideration regarding sintering of the based alloys with low tin content, Proceedings of the 4<sup>th</sup> International Conference on Science, Technology and Aplications of Sintering, Grenoble, France, August 29 - September 1, 2005, pg. 421-423;
44. **CIUPITU I.**, Didu M., Teisanu C.,Gheorghe St.- Influence of Alloying Elements on Thermochemically Treated Parts Made from Iron-Cast Iron-Copper Powder Mixtures – EURO PM2005-European Congress and Exhibition on Powder Metalurgy, Prague, Czech Republic, 2-5 October 2005, vol.3, pg. 245-250;
45. Radu St., Didu M., Mangra M., **CIUPITU I.** – Special Pressing Die for PM Bicomponent Parts – EURO PM2005-European Congress and Exhibition on Powder Metalurgy, Prague, Czech Republic, 2-5 October 2005, vol.1, pg. 235-238;

46. Teisanu C., Gheorghe St., **CIUPITU I.** – Hardness Optimization of the Iron Base Self-Lubricating Bearings – EURO PM2005-European Congress and Exhibition on Powder Metallurgy, Prague, Czech Republic, 2-5 October 2005, vol.2, pg. 185-190;
47. Teişanu C., Gheorghe St., **CIUPITU, I.** - Mathematical model of the sintering process of the iron-copper bearings – MATEHN 2006, Cluj Napoca, Romania, September 2006;
48. Teişanu C., Gheorghe St., **CIUPITU, I.** - Friction And Wear Behaviour Of Iron-Copper Sintered Alloys – Euro PM2007, Toulouse, France, 17-20 October 2007;
49. Cristina Teisanu, Stefan Gheorghe, Andrei Tudor, **CIUPITU, I.**, The Influence Of The Applied Load On The Friction Coefficient Of The Sintered Iron Base Bearings – ROTRIB'07, Bucuresti, Romania, 8-10 November 2007, ISBN 978-973-78-38-49-0;
50. St. Gheorghe, C. Teisanu, A. Merstallinger, **CIUPITU, I.**, The influence of the sintering atmospheres on the wear behaviour of the copper based alloys - ROTRIB'07, Bucuresti, Romania, 8-10 November 2007, ISBN 978-973-78-38-49-0;
51. **CIUPITU, I.**, G. Benga, A. Ionescu, I. D. Savu., The Optimization of the Process of Compacting Iron, Cast Iron and Cooper Powder Mixtures, RoPM 2009 – 4<sup>th</sup> International Conference on Powder Metallurgy, Cluj-Napoca, July 8-11 2009, pg.93;
52. Gîngu O., Rotaru P., Torralba J. M, Harabor A., Mangra M., **CIUPITU, I.**, Sima G., Olei A, Bucşe I., New Sintering Processing Route for Ceramic Biocomposites Based on Hydroxyapatite nanopowders, RoPM 2009 – 4<sup>th</sup> International Conference on Powder Metallurgy, Cluj-Napoca, July 8-11 2009, pg.57;
53. Savu I. D., V. Savu S., **CIUPITU, I.**, Improving the behaviour of the sintered composites in laser processing by ultrasonic vibration aided compaction, RoPM 2009 – 4<sup>th</sup> International Conference on Powder Metallurgy, Cluj-Napoca, July 8-11 2009, pg.147;
54. O, Gingu.; N, Lupu; S, Tanasescu; P, Rotaru; A, Harabor; M, Mihail, **CIUPITU, I.**, G, Sima; A, Olei; I, Bucse, Spark Plasma Sintering Behaviour of Ceramic Biocomposites Based on Hydroxyapatite Nanopowders, EURO PM2009 Congress & Exhibition on Powder Metallurgy , Copenhagen, Denmark, October 14-17 2009, vol.3, pg 103-108;
55. Ghermec C, Ghermec O , , **CIUPITU, I.**, Bucse I, Research Regarding Wear Behaviour of Carbon Steels Obtained Through Carburizing and sintering of Iron Powder, EURO PM2009 Congress & Exhibition on Powder Metallurgy , Copenhagen, Denmark, October 14-17 2009, vol.3, pg 73-78;
56. M, Ciobanu, **CIUPITU, I.**, M, Didu, S, Radu, Wear Comportment of the Elaborated Sintered Carbon Steels Based on Fe and Fe<sub>3</sub>C Synthetic Nanopowders, EURO PM2009 Congress & Exhibition on Powder Metallurgy , Copenhagen, Denmark, October 14-17 2009, vol.3, pg 127-132;
57. C, Patrascoiu, T, Popescu, , **CIUPITU, I.**, C, Ghermec, Analytical Models of Carbon Diffusion in Some Solid Materials Having Various Geometry, EURO PM2009 Congress & Exhibition on Powder Metallurgy , Copenhagen, Denmark, October 14-17 2009, vol.3, pg 253-259;
58. C, Teisanu, S, Gheorghe, **CIUPITU, I.**, Influence of the Composition on the Porosity of the Sintered Iron-Copper Alloys, EURO PM2009 Congress & Exhibition on Powder Metallurgy , Copenhagen, Denmark, October 14-17 2009, vol.3, pg 287-292;
59. Ghermec C., **CIUPITU I.**, Bucse I,Ciobanu M. Research regarding the mechanic stress behaviour of carbon steels made of iron powders laborated in methane gas medium Conference Proceedings

International Powder Metallurgy Congress EURO PM 2008, Mannheim, 29 september –1 october, 2008, ISBN 978-1-899072-30-9;

60. Savu, I.D., **CIUPITU, I.**, Birdeanu, V., Savu, S. Laser welding of low friction nanostructured sintered composites – technical and environmental aspects, 61st Annual Assembly and International Conference of the International Institute of Welding, 6-11 July 2008, Graz, Austria, International Conference: Safety and Reliability of Welded Components in Energy and Processing Industry, ISBN 978-953-7518-00-4;

61. Savu, I.D., Savu, V.S. Mangra, G.I., **CIUPITU, I.**, Eutectic Micro-Bonding for Electric Connection of Nanostructured Inductive Sensor used to Evaluate the Performances of the Table Tennis Players - 63rd Annual Assembly & International Conference of the International Institute of Welding, 11-17 July 2010, Istanbul, Turke, <http://www.iiw-iis.org/>;

62. **CIUPITU, I.**, Stanculeanu, F., Comparative economical analysis regarding the technologies for the processing of the support plates, 3<sup>rd</sup> International Conference Advances in Engineering and Management – ADEM, 11-12 septembrie 2014, Drobeta -Turnu Severin;

#### • Scientifically papers published at national conferences

1. Şontea, S., **CIUPITU, I.** - The possibilities of the hot pressing techniques of the tools made of hard alloys a its perspective in our country. A-V-a Conferință Națională de Maşini Unelte, Bucureşti, 9-10 November 1984;

2. Didu, M., **CIUPITU, I.** - The reconditioning technology for mobile articulations from the steering and suspension mechanism from DACIA 1300 auto. Technical creation and fiability in automotive industry, Iaşi, Romania, 1985;

3. Şontea, s., Stoian, A., **CIUPITU, I.** - Specific tube machining equipment for furniture fabrication. "Industrial robots" National Symposium, Bucharest, Romania, 1985;

4. Didu, M., **CIUPITU, I.**, Stanimir, A.- Working place coiling and primary wrapping up at continuous energy transformers type Cirso 12-24 KV. New technologies and equipments in automotive industry, Braşov, Romania, 1986;

5. Stanimir, A., Didu, M., **CIUPITU, I.** - Device for leveling and hardening of the outside cylindrical surfaces by ball hiting. New technologies and equipments in automotive industry, Braşov, Romania, 1986;

6. Didu, M., **CIUPITU, I.** - Agregate for segment milling. 2nd Conference of " New technologies and equipments in automotive industry", Craiova, Romania, 1987;

7. Didu, M., **CIUPITU, I.** - Automat pistol for interior nuts sertisation. 2nd Conference of " New technologies and equipments in automotive industry", Craiova, Romania, 1987;

8. **CIUPITU, I.**, Didu, M.- Axle leveling system for bogies. 2nd Conference of " New technologies and equipments in automotive industry", Craiova, Romania, 1987;

9. Drăgnei, M., **CIUPITU, I.** - Contributions regarding the design and construction of modulated devices. 2nd Conference of " New technologies and equipments in automotive industry", Craiova, Romania, 1987;

10. Neagu, A., **CIUPITU, I.** - Dies for isostatic pressing. Symposium "Metals' study and thermal treatments". Craiova, Romania, 27-28 May 1988, pg.269-275;
11. **CIUPITU, I.**, Neagu, A.- Group of dies for the execution of parts from electric cells type CNE Cernavodă. The 4th "Cold machining processes and equipments" Conference, Timișoara, Romania, 5-6 May 1989, pg.133-138;
12. **CIUPITU, I.**, Neagu, A.- Group of dies for the execution of the ears from monofased transformer type I.T.M.E. Filiași. The 4th "Cold machining processes and equipments" Conference, Timișoara, Romania, 5-6 May 1989, pg.67-72;
13. Tirpe, Gh., Crăciunoiu, N., **CIUPITU, I.** - Analytical method for determining the module disc profile. The 3rd "Modern Methods and Technologies for Automotive Design" National Conference, Craiova, Romania, 22-23 September 1994, vol. I, pg.451-454;
14. **CIUPITU, I.**, Crăciunoiu, N.- Technology and devices for a moto rim realisation. și SDV-uri pentru realizarea unei jenți moto. The 3rd "Modern Methods and Technologies for Automotive Design" National Conference, Craiova, Romania, 22-23 September 1994, vol. I, pg.461-466;
15. **CIUPITU, I.**, Șontea, Sever, Drăgnei, Mihai - Obtaining technologies for some parts from powders, components of some modulated devices for cutting machining. The 4th "Modern Technologies for Automotive Design" Conference, Craiova, Romania, 16-17 October 1998, pg. 233-236;
16. Popescu, T., **CIUPITU, I.**, Deliu, Gh.- Aspects of cutting machinability for some parts made of Fe, Cu and graphite powders. The 4th "Modern Technologies for Automotive Design" Conference, Craiova, Romania, 16-17 October 1998, pg. 93-98;
17. M., Mangra, F.Ciolacu, **CIUPITU, I.**, St., Gheorghe, C. Teișanu & co., Tendencies Of The Manufacturing And Analysis The Advanced Materials By Powder Metallurgy, Romanian Academy, Ministry for Education and Research, The 4-th National Seminar of Nanoscience and Nanotechnologies, Bucharest, Romania, 18 January, 2005.

#### • Scientifically papers published in reviews

1. Dragnei, M., **CIUPITU, I.**, Blejdea, L. - Contributions regarding the realisation of some devices from modular elements for the machining of the brush-hold bench-mark. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no. 8/1988, pg.6 - 9;
2. Dumitru, N., Vatu, D., **CIUPITU, I.** - About the gearings calculations through finite element method. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no. 1 / 1998, pg. 71 - 76;
3. Didu, M., Gheorghe, S., **CIUPITU, I.** - Contributions regarding the recycling of small chips obtained from the rectification of some poor allied steels. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no.1 / 1998, pg. 254 - 256;
4. **CIUPITU, I.**, Sontea S., Didu M. - Characterisation of metallic powder obtained by under pressure water deintegration of the melted metal. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no.1 / 1998, pg. 293 - 298;
5. Vaduvoiu, Gh., Sontea, S., **CIUPITU, I.** – Particularities regarding the electric arch welding of steel parts obtained by PM routes. WELDING, Welding Publishing House, Timisoara, Romania, no. 4 / 98, pg. 51-58;

6. Dumitru, N., **CIUPITU, I.** - Computational modelling of cylindrical gearings. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no.1 / 1999, pg. 130 - 135;
7. Gheorghe, S., **CIUPITU, I.** – Regarding the radial crushing behaviour of Cu based antifriction alloys. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no.1 / 1999, pg. 444 - 449;
8. Didu, M., **CIUPITU, I.** – Plates from alloys with low melting points usable on fire detectors. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no.1 / 1999, pg.450 - 453;
9. **CIUPITU, I.**, Sontea, S., Mangra, M. - Studies regarding the mechanical tries of the probes realised by rapid steel, Fe, Cu and graphite powder mixtures. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no.1/1999, Craiova, 454-459;
10. **CIUPITU, I.**, Dumitru, N., Mangra, M. - Optimisation of parameters choosing for probe sintering made of Fe, cast iron and Cu powder mixtures. The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no.1/1999, Craiova, 460-465;
11. **CIUPITU, I.**, Sontea, Sever - Studies regarding the rapid steel powder presability, simple and in mixture with Fe, Cu and graphite powders. Acta Universitatis Cibiniensis, Issued for BEYOND 2000 International Conference, Vol. XXXIV, Technical series, Sibiu, Romania, 1999, pg. 51-54;
12. Didu, M., **CIUPITU, I.** - Researches regarding the improvment of some technological characteristics of recovered steel powders, Acta Universitatis Cibiniensis, Issued for BEYOND 2000 Internacional Conference, Vol. XXXIV, Technical series, Sibiu, Romania, 1999, pg. 73-76;
13. **CIUPITU, I.**, Sontea, Sever, Didu, Marin, Gheorghe, Stefan - Samples of cast iron powders mixtures, Dimensional variations, Politechnical Institute Bulletin, Iasi, Romania, Tomul XLVI (L), Supplement II, Automotive section, pg. 17-20, 2000;
14. **CIUPITU, I.**, Didu, M., Teisanu, C, Dies for sintered sockets. Dimensioning and verification, The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no.1/2000, 119-126;
15. Didu, M., **CIUPITU, I.**, Teisanu, C, - Technological and mechanical characteristics of some recovered steel powders, improved with iron powder, The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no. 1/2000, 135-140;
16. Teisanu, C., Sontea, S., Didu. M., **CIUPITU, I.** – Dimensional modifications on the sintering of Fe based powder mixtures, The annals of the University of Craiova, series MECHANICS, Craiova, Romania, no. 1/2001, 223-230;
17. **CIUPITU, I.**, Didu, M., Teisanu, C. - Studies on dimensional variations of sintered powder mixtures samples, “Unconventional technologies - present and perspectives”, Augusta publishing house, Timisoara, Romania, 2001, pg. 88;
18. Didu, M., **CIUPITU, I.**, Teisanu, C. - The influence of the content of ceramic materials about the phisic-mecanical characteristic of the frictional composite, “Unconventional technologies - present and perspectives”, Augusta publishing house, Timisoara, Romania, 2001, pg. 94;
19. **CIUPITU, I.**, Mangra, M., Didu, M., Teisanu, C - Termochemical treatments on cast iron powder with iron mixed with cooper additions sintered parts, Politechnical Institute Bulletin, Iasi, Romania, Tomul XLVIII (LII), Fasc. 3-4, 2002, pg. 277;

20. **CIUPITU, I.**, Mangra, M., Gheorghe, St., Teisanu, C. - Guideng bush obtained of Powder Metalurgy, Acta Technical Napocensis 45 (2002) 635-640;
21. Teisanu, C., Didu, M., Ciolacu, F., **CIUPITU, I.**, Gheorghe, St. - Dimensional changes of some iron base sintered alloys, Acta Technical Napocensis 45 (2002) 629-634;
22. **CIUPITU, I.**, Dumitru, N., Gheorghe, St., Teisanu, C., - Static analysis of the guideng beareng drill contact by finite element method - Journal of Materials Processeng Technology, Elsevier, 2003;
23. Teisanu, C., Tudor, A., Gheorghe, St., **CIUPITU, I.** – Tribological features of PM iron - copper based materials, Galati, Romania, 24-24 September 2003, The Annals of "Dunarea de Jos" University, Galati, Romania, Fasc. VIII Tribology ROTRIB03, pp. 168-173, ISSN 1221-4590;
24. Teisanu, C., Gheorghe, St., **CIUPITU, I.** – Mathematical model of the sintering process of iron-copper besrings, Advanced Materials Research, Vol. 23 (2007) pp. 119-122, www.scientific.net, Trans Tech Publications Switzerland, 2007/10/03;
25. Benga Gabriel, **Ciupitu Ion** – The influence of coating and tool geometry on the tool life in a thread cutting process, Annals of DAAAM for 2008 & Proceedings of the 19<sup>th</sup> International DAAAM Symposium, ISSN 1726-9679, ISBN 978-3-901509-68-1, Published by DAAAM International Wien, Austria, pg.91-92, 2008;
26. **CIUPITU, I.**, Dumitru N., Ghercioiu J., Manea V. – Dynamic answer analysis of sintering pieces in thermic-structural coupled condition – DAAAM annals for 2009 & Proceedings of the 20th International Symposium DAAAM, ISSN 1726-9679, ISBN 978-3-901509-68-1, Published by DAAAM International Vienna, Austria – Vienna 2009, 25-28 November, Austria, pg. 1591-1593;
27. Benga, G., **CIUPITU, I.**, Stanimir, A. – Correlation between cutting forces and tool wear when thread taping AISI P20 herdened steel - DAAAM annals for 2009 & Proceedings of the 20th International Symposium DAAAM, ISSN 1726-9679, ISBN 978-3-901509-68-1, Published by DAAAM International Viena, Austria – Vien 2009, 25-28 November, Austria, pg. 1753-1755;
28. Dumitru S., Cojocararu D., Dumitru N., **CIUPITU, I.**, Geonea I., Dumitru V. – Finite element modeling of a polyarticulated robotic system – DAAAM annals for 2009 & Proceedings of the 20th International Symposium DAAAM, ISSN 1726-9679, ISBN 978-3-901509-68-1, Published by DAAAM International Viena, Austria – Vien 2009, 25-28 November, Austria, pg. 1937-1939;
29. Benga, G; Gingu, O; **CIUPITU, I.**- Assessment Of Wear And Tribological Behavior Of Spark PlasmaSintered Ti - DAAAM annals for 2010 & Proceedings of the 21st International Symposium DAAAM, ISSN 1726-9679, ISBN 978-3-901509-73-5, Publicat de DAAAM International Vien, Austria – Vien 2010, 25-28 November, Austria, pg. 1937-1939;
30. **CIUPITU, I.**, G Benga, A Ionescu, I D Savu, *The optimisation of compacting iron, cast iron, and copper powder mixtures*, The 4th International Conference on Powder Metallurgy, ROPM 2009, July 8-11, 2009, ISBN 978-973-53-0097-5;
31. Gabriel Benga, Oana Gingu, **CIUPITU, I.**, Lucian Gruionu, Ileana Pascu, Jose Calderon Moreno - Chapter Title: Processing and laser micromachining of HAP based biocomposites, Book "Engineering the future", ISBN 978-953-7619-X-X, Ed. Sciyo, 2010;
32. O.Gingu, G. Benga, A. Olei, N. Lupu, P. Rotaru, S. Tanasescu, M. Mangra, **I. CIUPITU, I.**, Pascu, G. Sima, *Wear behavior of ceramic bicomposites based on hydroxiapatite nanopowders*, Proceedings of the IMechE, Part E: J. of Process Mechanical Engineering, Vol 224, ISSN 0954/4089 (**ISI Journal, impact factor, 0,463**), 2010;



33. Nicolicescu C., CIUPITU I., Stefan I.: Researches regarding the elaboration of w-cu nanocomposites powders - Optoelectronics and advanced materials -rapid communications, ISSN 1842-573;
34. Savu, I.D., **CIUPITU, I.**, Birdeanu, V., Savu, S. Laser welding of low friction nanostructured sintered composites – technical and environmental aspects - Int. J. Microstructure and Materials Properties, Volume 5, Nos. 2/3, 2010, <http://www.inderscience.com/>;
35. Gabriel Benga, **ION CIUPITU** Influence of Coating and Tool Geometry on the Tool Life- DAAAM International Scientific Book, Volume 8, ISSN 1726-9687, EBSCO - <http://www.daaam.org/daaam/Symposium/Symposium.htm>;
36. Savu, S, Mangra, G., **CIUPITU, I.**, Savu, I.D., Gherasim, N., Thermal Field Analysis In Microwave Sintering Process of Barium Ferrites for Ping-Pong - Journal of International Scientific Publication: Materials, Methods & Technologies, 2010, <http://www.science-journals.eu/mmt/index.html>;
37. Savu, I.D., Savu, S, **CIUPITU, I.**, Mangra, G., Grecu, V., Through-The-Arc Sensing For Two-Wires Gma Welding Of Aluminum Basement Of The Flight Simulators For Sportsmen Training- Materials, Methods & Technologies-[www.sciencebj.net](http://www.sciencebj.net);
38. **CIUPITU, I.**, G. Benga, A. Ionescu, D.I. Savu - The improving of the process of the iron, the cast iron and the copper powder mixing, Materials Science Forum, Volume 672, pp. 76-79, January 2011, Trans Tech Publication, Switzerland, DOI 10.4028/www.scientific.net/MSF.672.76.
39. SAVU, S., SAVU D., **CIUPITU I.**- Thermal Analysis to Evaluate Ageing Process in Heated Tool and Electrofusion Welding of Polymer Pipes, *Advanced Materials Research Vol. 837 (2014) pp 190-195 (2014) TransTech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.837.190*

#### Patents:

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Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains

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1. Al. Neagu, **I. CIUPITU** - "Cold pressing technology" - guiding laboratory, Reprography of the University of Craiova, 1987, 200 pages;
2. Al. Stanimir, M. Didu, **I. CIUPITU** - "Unconventional technologies" - guiding laboratory, Reprography of the University of Craiova, 1987, 100 pages;
3. D. Mutu, Al. Neagu, **I. CIUPITU** - "Plastic deformation technology of metals" - guiding laboratory, Reprography of the University of Craiova, 1992, 120 pages;
4. **I. CIUPITU** - Plastic deformations. Technologies and equipments - course, Reprography of the University of Craiova, 2000, 235 pages;
5. D. Bardac, **I. CIUPITU**, D.O. Bucur - Fillet fabrication technologies by cold plastic deformation, Universitaria publishing house, Craiova, 2000, 170 pages;
6. **I. CIUPITU** - Studies regarding the use of PM in device construction, Universitaria publishing house, Craiova, 2001, 215 pages;
7. O. Gingu, **I. CIUPITU**, G. Sima, St. Gheorghe - Fabrication technology for parts made of powders - course, Reprography of the University of Craiova, 2001, 120 pages;
8. M. Mangra, O. Gingu, St. Gheorghe, **I. CIUPITU**, C. Teisanu, G. Sima - Technologies and applications in powder metallurgy, Universitaria publishing house, Craiova, 2002, 276 pages;
9. **I. CIUPITU** - Cold plastic deformation – Universitaria publishing house, Craiova, 2004, 319 pages;
10. **I. CIUPITU** – Presses and dies. Design elements – Universitaria publishing house, Craiova, 2004, 269 pages;
11. M. Mangra, **I. CIUPITU**, O. Gingu, D. I. Savu, S.V. Savu, C. Nicolicescu,... Procedee de elaborare a pulberilor nanometrice si nanostructurate - Craiova, Universitaria Publishing House, **ISBN** 978-606-510-305-4, 2008, 370 pages;
12. C. Teisanu, **I. CIUPITU**, Cold Plastic Deformation Technologies. Laboratory Guiding Book, – Craiova, Universitaria Publishing House, **ISBN** 978-606-510-496-9, 2009, 145 pages;
13. G. Benga, O. Gingu, **I. CIUPITU**, L. Gruionu, I. Pascu and J. Calderon Moreno-Processing And Laser Micromachining Of Hap Based Biocomposites- Cartea "Engineering the future", **ISBN** 978-953-307-210-4, SCIYO Publishing House, 2010, 414 pages.

**Journals/reviews and proceedings editor**

- Member of editing group of Review of Industrial Engineering, edited by Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Romania;
- Scientific referent Review of Industrial Engineering, edited by Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Romania.

## FP6 actions

- January 17, 2005: Info-day FP6/priority 3, Romanian Academy Library, Bucharest, Romania;
- January 18, 2005: Nanosciences and Nanotechnologies Seminar, Romanian Academy Library, Bucharest, Romania.

## Summer schools, workshops

- July 20-22, 2002: Summer School UNiversity in SOciety – UNISO 2002, Drobeta Turnu Severin, Romania; organisers: Ministry of Education and Research, National Agency for Partnerships between universities and economical-social environment and the participation of Romania at the program Tempus III (APART), University of Craiova, University of Medicine and Pharmacy “Iuliu Hatieganu” from Cluj-Napoca, University from Rouen – France (member of the organising comitee);
- September 23-25, 2004: Workshop Standardisation of Qualifications in European Navigation QUEENAV 2004, Drobeta Turnu Severin, Romania; organisers: Faculty of Engineering and Management of Technological Systems from Drobeta Turnu Severin, Romanian Naval Authority, Ministry of Transports (member of the organising comitee);
- July 8-11, 2009, RoPM 2009 – 4<sup>th</sup> International Conference on Powder Metallurgy, Craiova, Organisers: Technical University from Cluj Napoca, University of Craiova, Technical University from Viena (Member of the Organising Comitee);
- September 30th – October 2nd 2009: Romanian Welding Society Conference “SUDURA 2009- Bonding and Microbonding. Quality and Efficiency”: Organisers: Romanian welding Society, RWS branch Drobeta Turnu Severin (Member of the Organising Comitee).
- 1<sup>st</sup> International Conference Advances in Engineering and Management – ADEM, 19-21 mai 2010, Drobeta -Turnu Severin;
- 2<sup>nd</sup> International Conference Advances in Engineering and Management – ADEM, 13-14 decembrie 2012, Drobeta -Turnu Severin;
- 3<sup>rd</sup> International Conference Advances in Engineering and Management – ADEM, 11-12 septembrie 2014, Drobeta -Turnu Severin;
- 3<sup>rd</sup> International Congress Science and Management of Automotive and Transportation Engineering 23 – 25 Octombrie 2014;
- Workscop – HINT 12 septembrie 2014, Drobeta -Turnu Severin.