



## Curriculum vitae Europass

### Personal data

Name / Surname **CIUPITU ION**

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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 Mechanics, University of Craiova, 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	Politehnic 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	Politehnic 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

01.05.2012

Ion CIUPITU

## 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>al</sup> 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) mechanism 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 CEEEX 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 CEEEX 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 CEEEX 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 CEEEX 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, beneficiary CNCSIS, grant director: dr. eng Savu Dan; title: Microbonding systems for circuit and encapsulated elements of the microsensors and actuators - acronym 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 Wasserstraßen-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.

## 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 sintering of the mixtures from iron and copper 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 concerning presability and sintering of the mixtures from iron powders and metallic 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 Congress 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 Proceedengs 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 Proceedengs 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 Proceedengs of the International Metallurgy and Material Congress, Istambul, Turkey, 24-28 May 2000, vol. II, pg. 919-924;
10. Gheorghe, S.,Gingu, O., **CIUPITU, I.** - Pb content and sintereng 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. - Termochemical 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 antifricition alloys useng finite element method -2000 Powder Metallurgy World Congres,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 Congres, 12-16 November, 2000, Kyoto, Japan, pg.185;
17. **CIUPITU, I.**, Mangra, M., Gheorghe, St., 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, St. -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 cooper 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.- Proceedings 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 Processing 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 Sintering Technology of Samples made of Iron, Copper 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 Sintering 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, Gronoble, 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, Gronoble, France, August 29 - September 1, 2005, pg. 507-510;
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### 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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