

PERSONAL INFORMATION

Oana GINGU



University of Craiova, Faculty of Mechanics, Department of Engineering and Management of Technological Systems (IMST), Drobeta Turnu Severin, 1 Calugareni street, 22003 Drobeta Turnu Severin, Mehedinti, Romania

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<http://www.mecanica.ucv.ro/Cercetare/tiarac/index.html>

F | 11/07/1968 | Romanian

WORK EXPERIENCE

2011-present

Professor, Ph.D.

University of Craiova, Faculty of Mechanics, 107 Calea Bucuresti, 200512, Craiova, Romania
www.mecanica.ucv.ro

▪ Education and research. Scientific management.

Materials science and engineering. Composite materials. Powder metallurgy. International project (COST, 1 – Romanian project coordinator). National projects (2-coordinator; 1-member). Papers (ISI-7, databases-4, other-8). Editorial board member (Journal of Advanced Thermal Science Research). Peer reviewer (Journal of Optoelectronics and Advanced Materials, Journal of Alloys and Compounds, Journal of Materials Processing Technology, Journal of Process Mechanical Engineering, Advanced Materials Research). Expert evaluator (PhD program, University Carlos III Madrid, Spain; Cyprus national research program; Romanian Research and Education Minister; EU-FP7). International book chapters (1-Springer, 1-Sciyo). National patents (3 with 5 international award and medals). Invited lectures (1). Memberships (platform Micro And Nanomanufacturing - MINAM, Fraunhofer Institute; European Powder Metallurgy Association - EPMA; Romanian Powder Metallurgy Society; Romanian Tribology Association). Erasmus program coordination (University Carlos III Madrid, Spain; Mustafa Kemal University, Turkey). Research promotion at European level.

2007-2011

Professor, Ph.D.

University of Craiova, Faculty of Engineering and Management of Technological Systems, 1 Calugareni street, 220037, Drobeta Turnu Severin, Mehedinti, Romania
www.imst.ro

▪ Education and research; Scientific manager

Materials science and engineering. Composite materials. Powder metallurgy. International projects (FP7-1, member). National projects (4-member). Scientific papers (national and international conferences-5). Peer reviewer (Journal of Alloys and Compounds, Journal of Materials Processing Technology, Journal of Process Mechanical Engineering, Advanced Materials Research). Expert evaluator (Bulgaria national research program; Romanian Research and Education Minister). National book chapters (2). Invited lectures (2). Memberships (platform Micro And Nanomanufacturing - MINAM, Fraunhofer Institute; European Powder Metallurgy Association - EPMA; Romanian Powder Metallurgy Society; Romanian Tribology Association). Erasmus program coordination (University Carlos III Madrid, Spain; University Politecnico of Turin, Italy).

2003-2007

Assistant Professor, Ph.D.

University of Craiova, Faculty of Mechanics, 107 Calea Bucuresti, 200512, Craiova, Romania
www.mecanica.ucv.ro

▪ Education and research

Materials science and engineering. Composite materials. Powder metallurgy. International projects (FP6-1, member). National projects (1-coordinator, 8-member). Scientific papers (national and international conferences-8). Expert evaluator (Romanian Research and Education Minister). Invited lecture (1). Erasmus program coordination (University Carlos III Madrid, Spain; University Politecnico of Turin, Italy). Memberships (Romanian Powder Metallurgy Society; Romanian Tribology Association).

1999-2003

Associate Professor, Ph.D.

University of Craiova, Faculty of Mechanics, 107 Calea Bucuresti, 200512, Craiova, Romania
www.mecanica.ucv.ro

▪ Education and research

Materials science and engineering. Composite materials. Powder metallurgy. National projects (7-member). Scientific papers (ISI-2, national and international conferences -6). National books (1). Ph.D. degree.

1995-1999 [Assistant univ.eng.](#)

University of Craiova, Faculty of Mechanics, 107 Calea Bucuresti, 200512, Craiova, Romania
www.mecanica.ucv.ro

▪ Education and research

Materials science and engineering. Composite materials. Powder metallurgy. International projects (1-member). National projects (4-member).

1991-1995 [Prep.univ.eng.](#)

University of Craiova, Faculty of Mechanics, 107 Calea Bucuresti, 200512, Craiova, Romania
www.mecanica.ucv.ro

▪ Education and research

Materials science and engineering. Powder metallurgy.

EDUCATION AND TRAINING

2009 [Specialization in Ceramic Nanocomposites](#)

Superior Council of Scientific Research CSIC, Madrid, Spain, European Training Action on Ceramic Nanocomposites *IPNANOKER*

2005 [Specialization in Nanosciences and Nanotechnologies](#)

National Centre of Scientific Research CNRS, Grenoble, France, European School „Nanosciences and Nanotechnologies” *ESONN 2005*

1994-2001 [Ph.D. degree in Materials Science and Engineering](#)

Technical University of Cluj-Napoca, Romania, Faculty of Materials Science and Engineering

1993 [DELFI diploma for French studies](#)

Ministry of National Education of French Republic

1986-1991 [Dipl.Eng. in Mechanical Engineering](#)

University of Craiova, Romania, Faculty of Mechanics

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)

UNDERSTANDING

SPEAKING

WRITING

Listening

Reading

Spoken interaction

Spoken production

English

C1/2

C1/2

C1/2

C1/2

C1/2

French

C1/2

C1/2

B1/2

B1/2

C1/2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Organisational / managerial skills** ▪ leadership. Currently responsible for a team of 7 people and the respective collaborators of the **tiaraC** group (<http://www.mecanica.ucv.ro/Cercetare/tiarac/index.html>)
- Computer skills** ▪ good command of Microsoft Office™ tools
- Other skills** ▪ dancing
- Driving licence** ▪ B

ADDITIONAL INFORMATION

Patents and awards:

- **Gingu, O.**, Pascu. C.I., Lupu, N., Benga G.C., Biocomposite material and processing route, O.S.I.M., Bucharest, Romania, no.A/00318/2010; **Gold medal**, International Fair EUROINVENT 2013, Iasi – Romania; **Bronze medal**, International Trade Fair “Ideas – Inventions – New Products” IENA 2012, Nuremberg, Germany; **Silver medal**, International Trade Fair of Research, Innovation and Invention PROINVENT 2012, Cluj-Napoca, Romania
- Pascu, C.I., **Gingu, O.**, Ciupitu, I., Rotaru, P., Biocomposite material and its processing route, O.S.I.M., Bucharest, Romania, no.A/00317/2010; **Gold medal**, International Fair EUROINVENT 2013, Iasi – Romania; **Silver medal**, International Trade Fair of Research, Innovation and Invention PROINVENT 2013, Cluj-Napoca, Romania
- Mangra, I.G., **Gingu, O.**, Plate of metallic foam-rubber composite material mechanically attached to the table tennis bat and process for making the same, O.S.I.M., Bucharest, Romania, no.A/00117/2010; **Excellence Diploma**, International Trade Fair of Research, Innovation and Invention PROINVENT 2012, Cluj-Napoca, Romania

National / International funding research projects/grants (selection)

- PN-II-PT-PCCA-2013-4-2094; coordinator: University of Craiova, Romania / Prof. Gingu O.; title: Research of the bone substitution with biocomposite materials processed by powder metallurgy specific techniques, acronym BONY (2014-2016)
- PN-II-PT-PCCA-2011-3.1-0252, Hyperthermic magnetic nanoparticle ablation of liver and pancreatic tumors (NANO-ABLATION) 2012-2015
- CEEEX 40/2005, Biocompatible nanostructured materials for medical device (NANOBIOMED) 2005-2008
- COST - MPNS Action MP0903, Nanoalloys as Advanced Materials: From Structure to Properties and Applications (NANOALLOY) 2010-2013 (http://w3.cost.eu/index.php?id=247&action_number=MP0903)
- FP6-013908/2005-2007, Improving the understanding of the impact of nanoparticles on human health and the environment (IMPART) 2005-2008 (<http://www.impart-nanotox.org/>)

Scientific papers (selection)

- Pascu C. I., **Gingu, O.**, Rotaru, P., Vida-Simiti, I., Harabor, A., Lupu, N., J. Therm. Anal. Calorim. 2012, doi: 10.1007/s10973-012-2824-2
- Olei, B. A., **Gingu, O.**, Lupu, N., Sima, G., Solid State Phenomena Vol. 188 (2012) pp 52-58, doi:10.4028/www.scientific.net/SSP.188.52
- **Gingu, O.**, Benga, G., Olei, A., Lupu, N., Rotaru, P., Tanasescu, S., Mangra, M., Ciupitu, I., Pascu, I., Sima, G., J. Proc. Mech. Eng., Part E, vol.225, issue 1, Febr.2011, ISSN 0954/4089, p.62-71; doi: 10.1243/09544089JPME307

Books (selection)

- Ruys A.J., **Gingu, O.**, Sima, G., Maleksaeedi, S., Handbook of Manufacturing Engineering and Technology, Chapter 7: Powder processing of bulk components in manufacturing, pp 1-69; Springer-Verlag London, 2014, DOI: 10.1007/978-1-4471-4976-7_48-4; Online ISBN 978-1-4471-4976-7, <http://www.springerreference.com/docs/html/chapterdbid/331461.html>
- Benga, G., **Gingu, O.**, Ciupitu, I., Gruionu, L., Pascu, I., Calderon Moreno, J., Processing and laser micromachining of HAP based biocomposites, in Engineering the Future, edit. by Laszlo Dudas, Sciyo Ed., Austria, 2010, ISBN 978-953-307-210-4, p. 1-23, www.sciyo.com

Research promotion at European level for the campaign “Science: it’s a girl thing!”

<https://www.facebook.com/photo.php?fbid=352355261537058&set=a.351161001656484.1073741825.251589998280252&type=3&theater>

Appendix

Ph.D thesis

1994 – 2001: Research on processing of metal matrix composites based on Al matrix reinforced by carbide particles, Technical University of Cluj-Napoca, Romania; coordinator: Prof. Radu Orban

Teaching topics

Materials science and engineering, Composite materials, Powder metallurgy

Research activity

- Research activity with national funding (member of the research team/coordinator)
 1. Research grant PN-II-PT-PCCA-2013-4-2094; beneficiary: UEFISCDI; coordinator: University of Craiova, Romania / **Prof. Gingu O.**; title: **Research of the bone substitution with biocomposite materials processed by powder metallurgy specific techniques**, acronym **BONY**; funding course: 2014-2016
 2. Research grant PNCDI-II no. PN-II-PT-PCCA-2011-3.1-0252, beneficiary: UEFISCDI; coordinator: University of Medicine and Pharmacy of Craiova, Romania; partner: University of Craiova; partetship coordinator: Assoc.Prof. Gruionu Lucian; title: **Hyperthermic magnetic nanoparticle ablation of liver and pancreatic tumors**, acronym **NANO-ABLATION**; funding course: 2012-2015
 3. Research grant PNCDI-II no.265/2007, beneficiary: Ministry of Education and Research; coordinator: Institute of Welding and Materials Testing, ISIM, Timisoara; partner: University din Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin; partnership coordinator: Assoc.Prof. Danut Savu; title: **Microwelding systems for circuit elements and incapsulation of microstructures and actuators**; acronym: **MICROWELD**; funding course: 2007-2009
 4. Research grant EXCELLENCE RESEARCH (CEEX) no. 85/2006, beneficiary: Ministry of Education and Research; coordinator: University of Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Romania through prof. Mihail Mangra; title: **Knowledge development on the elaboration and microprocessing of the nanostructured materials for MEMS components by powder metallurgy technology**, acronym: **PRONANOMAT**; funding course: 2006-2008
 5. Research grant EXCELLENCE RESEARCH (CEEX) no. 94/2006, beneficiary: Ministry of Education and Research; coordinator: Institute of Chemics-Physics „I.G. Murgulescu”, Bucharest, Romania; partner: University of Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin; partnership coordinator: prof. Mihail Mangra; title : **The influence of the composition and the structure on the thermodynamical, electrical and magnetic properties of the micro- and nanostructured oxidic materials with special magnetorezistive properties**; acronym : **CMR-TEM** ; funding course: 2006-2008
 6. Research grant EXCELENCE RESEARCH (CEEX) no. 266/2006, beneficiary : Ministry of Education and Research; coordinator : Institute of Welding and Materials Testing, ISIM, Timisoara, Romania; partner: University of Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin ; partnership coordinator: prof. Mihail Mangra; title: **Multifunctional microlayers for Ti-alloys covering by advanced technologies**; acronym: **MICROFUNCTIA**; funding course: 2006-2008
 7. Research grant EXCELLENCE RESEARCH (CEEX) no. 40/2005, beneficiary: Ministry of Education and Research; coordinator : Polytechnic University of Bucharest (UPB) through the Research Centre CEMS; partner: University of Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Romania; partnership coordinator: prof. Mihail Mangra; title : **Biocompatible nanostructured materials for medical devices**; acronym: **NANOBIOMED**; funding course: 2005-2008
 8. Research grant EXCELLENCE RESEARCH (CEEX) no. 108/2005, beneficiary: Ministry of Education and Research; coordinator : IPA S.A., Craiova ; partner : University of Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Romania; partnership coordinator: prof. Mangra Mihail; title: **Research regarding control systems and evaluation of emissions level in naval transports**; acronym: **EmShips**; funding course: 2005-2008
 9. Research grant INVENT, beneficiary: INMA; coordinator: I.C.P.E. – C.A., Bucharest, Romania; partner: University of Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, Romania ;

- partnership coordinator : prof. Mihail Mangra; title: **Sintered magnets based on Nd-Fe-B alloys with high thermal stability**; acronym: **MAGSTAB**; funding course: 2005-2006
10. Research grant, code 108/2005, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: prof. Mihail Mangra; title: **Research on sintered carbon steels processing from mixtures with Fe powders and Fe₃C nanopowder particles**; funding course: 2005
 11. Research grant no. 33062/2004, code 315, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: assoc. prof. Gheorghe Stefan; title: **Studies on the manufacturing technologies of some Cu-based sintered antifriction materials with low tin content**; funding course: 2004
 12. Research grant no. 33062/2004, code 294, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: assoc. prof. Cristina Teisanu; title: **Fe-based sintered materials for auto lubricant bearings manufacturing**; funding course: 2004
 13. Research grant no. 33547/2003, code 294, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: assoc. prof. Cristina Teisanu; title: **Fe-based sintered materials for auto lubricant bearings manufacturing**; funding course: 2003
 14. Research grant no. 40202/2003, code 727, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: prof. Mihail Mangra; title: **Research on pressure sintering with microwave heating**; funding course: 2003
 15. Research grant no. 33547/2003, code 305, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: assoc. prof. **Gingu, O.**, title: **Processing of lightweight nanocomposite materials for aerospace and automotive transportation**; funding course: 2003
 16. Research grant no. 33451/2002, code 941, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: assoc. prof. Ion Ciupitu; title: **PM working devices on tool-machines**; funding course: 2002
 17. Research grant no. 35253/2001, code 16, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: prof. Mihail Mangra; title: **Research on Spark Plasma Sintering (SPS) for anisotropic ceramic magnets processing**; funding course: 2001
 18. Research grant cod 544/1999 (34), beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: prof. Mihail Mangra; title: **Research on processing metallic and ceramic magnetic materials for building machines and electro technical industries**; funding course: 1999
 19. Research contract no. 663/1996, 153 I/2000 (A6), beneficiary National Agency of Research and Innovation (A.N.S.T.I.); project coordinator: prof. Gheorghe Tarpe; title: **Research on cutting processes optimization for the hard cutting materials**; funding course: 2000
 20. Research contract no. 663/1996, 153 I/2000 (A11), beneficiary National Agency of Research and Innovation (A.N.S.T.I.); project coordinator: prof. Mihail Mangra; title: **Composite materials with polymers, textile fibers, metallic wires, carbides, ceramic and metallic magnetic materials processed from recovered wastes**; funding course: 2000
 21. Research contract no. 663/1996, 333/1999 (A3), beneficiary National Agency of Research and Innovation (A.N.S.T.I.); project coordinator: prof. Sever Sontea; title: **Ceramic powders, ceramic and metallic composite materials, soft ceramic materials, non-ferrous materials, non-ferrous materials with special destination**; funding course: 1999
 22. Research contract no. 663/1996, 333/1999 (A11), beneficiary National Agency of Research and Innovation (A.N.S.T.I.); project coordinator: prof. Mihail Mangra; tile: **Composite materials with polymers, textile fibers, metallic wires, carbides, ceramic and metallic magnetic materials processed from recovered wastes**; funding course: 1999
 23. Research contract no. 663/10C/1996, 750/1997 (A6), beneficiary Ministry of Research and Technologies; project coordinator: prof. Gheorghe Tarpe; title: **Technological processes for cutting elements manufacturing from oxide ceramic materials based on Ba and Sr**; funding course: 1997
 24. Research contract no. 663/10C/1996, 750/1997 (A2), beneficiary Ministry of Research and Technologies; project coordinator: prof. Sever Sontea; title: **Technological processes and machining systems for composites and electro technical materials**; funding course: 1997
 25. Research contract no. 663/10C/1996 (A2), beneficiary Ministry of Research and Technologies; project coordinator: prof. Sever Sontea; title: **Technological processes and machining systems for composites and electro technical materials**; funding course: 1996

26. Research contract no. 1084C/1993 (A1), beneficiary Ministry of Science and Education; project coordinator: prof. Sever Sontea; title: **Research on the influence of densification additions for Cu-based alloys on physical-mechanical properties and wear resistance**; funding course: 1993

- **International research activity**

1. Research grant, program: European Cooperation in Science and Technology, **COST** - MPNS Action MP0903, titlu: **NANOALLOY – Nanocomposites as Advanced Materials: From Structure to Properties and Applications**; beneficiary: European Commission; coordinator: University of Genova, Italy; **prof. Gingu Oana**, member of the Management Committee for Romanian partner, 2010-2014, coordinator of the research team at University of Craiova, Romania, (http://w3.cost.eu/index.php?id=247&action_number=MP0903)
2. The 7th Framework Program (**FP7**) , TREN/FP7/TR/218362, beneficiary: European Commission; coordinator: Via Donau, Vienna, Austria; partener: University of Craiova, Faculty of Engineering and Management of Technological Systems, Drobeta Turnu Severin, partnership coordination: prof. Mangra Mihail; title: **Platform for the implementation of NAIADES**; acronym **PLATINA**; **prof. Gingu Oana**, member of research team; 2008-2011 (<http://www.naiades.info/platina/page.php?id=138&path=1,3,6>)
3. The 6th Framework Program on Research, Technological Development and Demonstration FP6-013908/2005-2007, beneficiary European Commission; project-coordinator: Tamas AG, Switzerland; title: **Improving the understanding of the impact of nanoparticles on human health and the environment**; acronym **IMPART**; **prof. Gingu Oana**, member of research team, funding course: 2005-2008 (<http://www.impart-nanotox.org/>)
4. Research grant no. RO-4096/1996, beneficiary World Bank; project coordinator: prof. Radu Orban, Technical University of Cluj-Napoca, Faculty of Materials Science and Engineering, Romania; title: **High performing new materials processed by powder metallurgy technology**; **prof. Gingu Oana**, member of research team, funding course: 1996

- **Training activity in university technical domain**

1. **POSDRU** project, axis 1, direction 1.2, 2009-2011, Specialization of the university staff for „**Supervisor Academic Staff for industrial/technological practice and research activity**”, coordinator Technical University „Gheorghe Asachi”, Iasi; funding course: 2009-2012 (long term expert in technical field)
2. Program code RO 2002/000 - 586.05.02.02.160, beneficiary Agency for Development of South-West Oltenia Region, **Phare 2002** Program / Human resources development; title: **Improvement and antrepreneurial development in techniques field**; funding course: 2004.

- **Evaluation/monitoring activity in research field**

2013: expert evaluator in PhD program, Universidad Politehnica de Valencia, Spain

2012: expert evaluator in PhD program, University Carlos III of Madrid, Spain

2009 - 2010: expert evaluator, Research Promotion Foundation (RPF), Cyprus

2008: expert evaluator, National Science Foundation (NSF), Bulgaria

2006 - present, expert evaluator Framework Program FP6/7, European Commission, Brussels, Belgium

2005 - 2008: expert evaluator, Excellence Research Program (C.E.E.X.), Ministry of Education and Research, Bucharest, Romania

2003 - present: expert evaluator, National University Research Centre (N.U.R.C. - C.N.C.S.I.S.), Ministry of Education and Research Bucharest, Romania

Patents

1. **Gingu, O.**, Pascu, C.I., Lupu, N., Benga G.C., *Biocomposite material and processing for obtaining the same*, O.S.I.M., Bucharest, Romania, no.A/00318/2010
2. Pascu, C.I., **Gingu, O.**, Ciupitu, I., Rotaru, P., *Biocomposite material and processing for obtaining the same*, O.S.I.M., Bucharest, Romania, no.A/00317/2010
3. Mangra, G.I., **Gingu, O.**, *Plate of metallic foam-rubber composite material mechanically attached to the table tennis bat and process for making the same*, O.S.I.M., Bucharest, Romania, no. A/00117/2010

Awards

- **Gingu, O.**, Pascu, C.I., Lupu, N., Benga G.C., *Biocomposite material and processing for obtaining the same*, O.S.I.M., Bucharest, Romania, no.A/00318/2010; **Gold medal**, International Fair EUROINVENT 2013, Iasi – Romania; **Bronze medal**, International Fair “Ideas – Inventions – New Products” IENA 2012, Nuremberg, Germany; **Silver medal**, International Fair of Research, Innovation and Patents PROINVENT 2012, Cluj-Napoca, Romania
- Pascu, C.I., **Gingu, O.**, Ciupitu, I., Rotaru, P., *Biocomposite material and processing for obtaining the same*, O.S.I.M., Bucharest, Romania, no.A/00317/2010; **Gold medal**, International Fair EUROINVENT 2013, Iasi – Romania; **Silver medal**, International Fair of Research, Innovation and Patents PROINVENT 2013, Cluj-Napoca, Romania
- Mangra, I.G., **Gingu, O.**, *Plate of metallic foam-rubber composite material mechanically attached to the table tennis bat and process for making the same*, O.S.I.M., Bucharest, Romania, no.A/00117/2010; **Excellence Diploma**, International Fair of Research, Innovation and Patents PROINVENT 2012, Cluj-Napoca, Romania

Invited lectures/courses

1. **Gingu, O.**, Pascu, I., Lupu, N., Rotaru, P., Tanasescu, S., Teisanu, C., Sofronia, A., Benga, G., Ciupitu, I., Opportunities for the bone tissue reconstruction by micro and nanotechnologies specific to the Powder Metallurgy route, MNT — Research, Innovation and Education, “Romanian-Bulgarian Services Centre for Microsystems and Nanotechnology”, MIS-ETC Code: 587, Romania, May 23, 2014
2. Mangra, M., **Gingu, O.**, Research and development in powder metallurgy, The 3rd International Conference on Advanced Engineering and Management ADEM 2014, Drobeta Turnu Severin, Romania, Sept. 10-12, 2014
3. **Gingu, O.**, Planets and Moons: the back-up natural resource for future materials, Winter School „Renewable Energy Systems and Green Nanotechnologies for a Clean Environment”, Drobeta Turnu Severin, Romania, Dec. 14-16, 2012
4. **Gingu, O.**, Planets and Moons: the back-up natural resource for future materials, The 2nd International Conference “Advances in Engineering and Management” ADEM 2012, Drobeta Turnu Severin, Romania, 2012
5. **Gingu, O.**, Lightweight metallic alloys processed by powder metallurgy, Powder Metallurgy Summer School, EPMA, Madrid, Spain, July, 5-10, 2010
6. **Gingu, O.**, Alloying Techniques – Mechanical Alloying, The 3rd EPMA Training Course in the Marie Curie EU funded project, Kosice, Slovakia, June, 23-30, 2007
7. **Gingu, O.**, Composite nanoparticles processing by powder metallurgy, Toxicology seminar organized in the frame of FP6 – IMPART by the Latvian Toxicology Society - LATTOX, Riga, Latvia, June, 15-16, 2006

Summer/winter schools

1. **Gingu, O.**, Winter school „IP Nanoker - Structural Ceramic Composites for Top-End Functional Applications, Consejo Superior de Investigaciones Científicas (CSIC), Febr. 2009, Madrid, Spain
2. **Gingu O.**, Summer School „European School of Nanosciences and Nanotechnologies” ESONN 2005, Centre National de Recherche Scientifique CNRS, August 2005, Grenoble, France

Published/presented scientific papers

ISI quotation journals/reviews:

1. *Bulk titanium for structural and biomedical applications obtaining by spark plasma sintering (SPS) from titanium hydride powder*
By: Pascu, Cristina Ileana; **Gingu, Oana**; Rotaru, P.; et al.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 113 Issue: 2 Pages: 849-857 Published:AUG 2013
2. *Research Of The Milling Time Influence On Ag-Cu Powder Particles Size Processed By Mechanical Alloying Route*
By: **Gingu, Oana**; Nicolicescu, Claudiu; Sima, Gabriela
Edited by: Nicoara, M; Raduta, A; Opris, C

Conference: 4th International Conference on Advanced Materials and Structures (AMS 2011) Location: Timisoara, ROMANIA Date: OCT 27-28, 2011
Sponsor(s): POLITEHN Fdn
ADVANCED MATERIALS AND STRUCTURES IV Book Series: Solid State Phenomena Volume: 188 Pages:382-387 Published: 2012

3.

Structural analysis of PM biocomposites based on hydroxyapatite nanopowders elaborated by spark plasma sintering route

By: Bebe-Adrian, Olei, **Oana, Gingu**; Nicoleta, Lupu; et al.

Edited by: Nicoara, M; Raduta, A; Opris, C

Conference: 4th International Conference on Advanced Materials and Structures (AMS 2011) Location: Timisoara, ROMANIA Date: OCT 27-28, 2011

Sponsor(s): POLITEHN Fdn

ADVANCED MATERIALS AND STRUCTURES IV Book Series: Solid State Phenomena Volume: 188 Pages: 52-58 Published: 2012

4. Wear behaviour of ceramic biocomposites based on hydroxiapatite nanopowders

By: **Gingu, O.**; Benga, G.; Olei, A.; et al.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING Volume: 225 Issue: E1 Pages: 62-71 Published: 2011

5. Influence of the Reinforcing Elements on the Wear Behavior of Al/(SiC plus Graphite) Composites Elaborated by Spark Plasma Sintering Technology

By: Sima, Gabriela; Mangra, Mihail; **Gingu, Oana**; et al.

Edited by: Chicinas, I; Brandusan, L

Conference: 4th International Conference on Powder Metallurgy, RoPM 2009 Location: Tech Univ Cluj-Napoca, Craiova, ROMANIA Date: JUL 08-11, 2009

Sponsor(s): European Powder Met Assoc; Minist Educ, Res & Innovat; Natl Univ Res Council; Hotel BAVARIA; Domeniul Coroanei Segarcea; Grupul Scolar Marina Orsova; Hotel PLAZA; SC SINTEROM SA; NOVARTIS SA; NULKA SRL; Papetaria BADENIS TRADING SRL; Editura RISOPRINT; Primaria Municipiului Craiova; RAT SA RESEARCHES IN POWDER METALLURGY Book Series: Materials Science Forum Volume: 672 Pages: 241-244 Published: 2011

6. In-situ production of Al SiCp composite by laser deposition technology

By: **Gingu, O**; Mangra, M; Orban, RL

JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 90 Special Issue: SI Pages: 187-190 Published: MAY 19 1999. Nr. citations: 5

7. Studies concerning the optimization of ceramic magnets anisotrope pressing

By: Mangra, M; Ivanescu, M; Stoian, V; **Gingu, O**

JOURNAL OF MATERIALS PROCESSING TECHNOLOGY Volume: 90 Special Issue: SI Pages: 481-483 Published: MAY 19 1999.

BDI journals/reviews:

1. Ghercioiu, J., Motateanu, G., Mangra, M., **Gingu, O.**, Research on the influence of the heat treatment parameters on the wear behavior of Gas-carbu-sintered steels, The Annals of University "Dunărea De Jos" of Galati, Fascicle VIII, Tribology 2011 (XVII) Issue 1, ISSN 1221-4590, p.1-6

Prestigious international scientific events

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Editorial board membership at national/international journals

2014: Journal of Advanced Thermal Science Research (<http://www.avantipublishers.com/editorial-board-member-jatsr/>)

Referee for national and international reviews/publishing houses

2012: Journal of Optoelectronics and Advanced Materials

2011: Journal of Alloys and Compounds

2010-present: Journal of Materials Processing Technology

2010: Universitaria Publishing House, University of Craiova, Romania

2009-present: Journal of Process Mechanical Engineering

2007-present: Advanced Materials Research, edited by Trans. Tech. Publications Ltd, Switzerland

Media nominalization for research promotion

European campaign: „**Science it's a girl thing**”

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Society memberships, honor and nominations

2015: The 32nd Edition *WHO'S WHO IN THE WORLD*, Marquis Who's Who (www.marquiswhoswho.com)

2007–2011: *EUROPEAN POWDER METALLURGY ASSOCIATION (EPMA)*, U.K. (member)

2007: *WHO'S WHO OF EMERGING LEADERS*, Marquis Who's Who, (www.marquiswhoswho.com)

2006: platform *MICRO AND NANOMANUFACTURING (MINAM)*, Fraunhofer Institute, Stuttgart, Germania (member)

2006: the 9th Edition *WHO'S WHO IN SCIENCE AND ENGINEERING*, Marquis Who's Who (www.marquiswhoswho.com)

2003: *2000 OUTSTANDING INTELLECTUALS OF THE 21ST CENTURY*, The International Biographical Center, CB2 3QP, Cambridge, U.K.

2003: The 6th Edition *WHO'S WHO IN SCIENCE AND ENGINEERING*, Marquis Who's Who (www.marquiswhoswho.com)

2002: The *21st CENTURY AWARD FOR ACHIEVEMENT*, The International Biographical Center, CB2 3QP, Cambridge, U.K.

2002: The *20th CENTURY OUTSTANDING SCIENTISTS*, The International Biographical Center, CB2 3QP, Cambridge, U.K.

2001: The 18th Edition *WHO'S WHO IN THE WORLD*, Marquis Who's Who (www.marquiswhoswho.com)

1995-present: *ROMANIAN TRIBOLOGY ASSOCIATION (ART)*, (member)

1994-present: *ROMANIAN POWDER METALLURGY SOCIETY* (member)

Hobby

Dance, music, movies