

Research Grants

International grants

Research grant, program: European Cooperation in Science and Technology, **COST** - MPNS Action MP0903, titlu: **NANOALLOY** – *Nanoalloys as Advanced Materials: From Structure to Properties and Applications*; beneficiary: European Commission; coordinator: University of Genova, Italy; member of the Management Committee for Romanian partner - prof **Gingu, O.**, funding course: 2010-2013 (http://w3.cost.eu/index.php?id=247&action_number=MP0903)

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, (<http://www.naiades.info/platina/page.php?id=138&path=1,3,6>), **Gingu, O.**, **Mangra M.**, **Ciupitu, I.**, **Benga, G.**, members of research team

Research grant no. RO-4096/1996, beneficiary **World Bank**; project coordinator: prof. Orban R.L., Technical University of Cluj-Napoca, Faculty of Materials Science and Engineering, Romania; title: *High performing new materials processed by powder metallurgy technology*; funding course: 1996, **Gingu, O.**, member of research team;

The 6th Framework Program on Research, Technological Development and Demonstration **FP6**-013908/2005-2007, beneficiary European Commission; project-coordinator: TEMAS, A.G., Switzerland; title: *Improving the understanding of the impact of nanoparticles on human health and the environment* - **IMPART**; partnership coordinator: prof. **Mangra, M.**; funding course: 2005-2008 (<http://www.impart-nanotox.org/>)

Research project **MMRI-1064-03-F** between McMaster Manufacturing Research Institute, Hamilton, Ontario, Canada si Siemens Westinghouse Ltd., Canada, entitled: "Transition Machining Process Development" member of the research team as a postdoctoral fellow at McMaster University during 10.06.2003/10.06.2004, **Benga, G.**, member of research team.

Bilateral cooperation project, Turkey, no. 396/27.04.2010, coordinator : University of Craiova through prof. dr. eng. Bizdoaca Nicu George, title: *Development of biomimetic design methodology with reverse engineering in cognitive recognition and control of biomimetic robots*, funding course: 2010 – 2012, **Coman, D.**, member of research team;

Bilateral cooperation project, South Korea, no. 415/19.05.2010, coordinator : University of Craiova through prof. dr. eng. Bizdoaca Nicu George, title: *Reverse engineering in cognitive recognition and control of biomimetics structures*, funding course: 2010 – 2012. **Coman, D.**, member of research team;

National grants

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,

Research grant EXCELENCE 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. **Mangra, M.**; 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

Research grant EXCELENCE 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. **Mangra, M.**; 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

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. **Mangra, M.**; title: *Multifunctional microlayers for Ti-alloys covering by advanced technologies*; acronym: MICROFUNCTIA; funding course: 2006-2008

Research grant EXCELENCE 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. **Mangra, M.**; title : *Biocompatible nanostructured materials for medical devices*; acronym: NANOBIONED; funding course: 2005-2008

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. **Mangra, M.**; title: *Sintered magnets based on Nd-Fe-B alloys with high thermal stability*; acronym: MAGSTAB; funding course: 2005-2006

Research grant, code 108/2005, beneficiary National University Research Center N.U.R.C. (C.N.C.S.I.S.); project coordinator: prof. **Mangra, M.**; title: *Research on sintered carbon steels processing from mixtures with Fe powders and Fe₃C nanopowder particles*; funding course: 2005

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. **Mangra, M.**; title: *Research on pressure sintering with microwave heating*; funding course: 2003

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. **Mangra, M.**; title: *Research on Spark Plasma Sintering (SPS) for anisotropic ceramic magnets processing*; funding course: 2001

Research Grants no 33451/2002, cod CNCSIS 487, no1, grant coordinator: dr. eng. **Pascu, I.**, title: *Tungsten based alloys processed by powder metallurgy technology for electrotechnical applications*, funding course: 2002-2003;

Research Grant no. 289/2008, type PN II, beneficiary: Ministry of Education and Research, grant coordinator: prof. dr. eng. Bizdoaca Nicu George, title: *Reverse engineering in the cognitive modelling and the control of biomimetic structures*, funding course: 2008 – 2010; **Coman, D.**, member of research team

Research Grant EXCELENCE RESEARCH (CEEX) no. 259/2006, beneficiary: Ministry of Education and Research, grant coordinator: prof. dr. eng. Mircea Ivanescu, title: *Control and technological integration of the smart materials and structures*, funding course: 2006 – 2008; **Coman, D.**, member of research team

Research grant EXCELENCE RESEARCH (CEEX) no. 131/2006, beneficiary: Ministry of Education and Research, grant coordinator: conf. dr. ing. Lucian Gruionu; title: *Long term improvement of life quality for patients with arthroplasty through prosthesis functionality extension*, funding course : 2006-2008; **Coman, D.**, member of research team

Research grant code 28/2005, beneficiary: National University Research Centre N.U.R.C. (C.N.C.S.I.S.), grant coordinator: assist prof. Lucian Gruionu; title: *FEM studies on the shape and material influence of the knees endoprosthesis performances*, funding course : 2005-2006. **Coman, D., Mangra, G.I.**, members of research team;

Research grants nr. 329/2003, beneficiary C.E.R.E.S; responsible grant Denisa Talaban, title: *Monitoring methodology for high performing sportsmen in aerobic cyclic sports (MEMOSIP)*, funding course: 2003-2004, **Mangra, G.I.**, member of research team;

Research grants no 17 (type A), beneficiary CNCSIS, cod 957/2002; responsible grant Ion Rinderu, title: *Strategies to enhance the practice of physical exercises organized by the preschool and primary school children*; funding course: 2002-2003; **Mangra, G.I.**, member of research team;

Research grants no 17 (type A₇), beneficiary CNCSIS , cod 1/2002; responsible grant prof.univ.dr.ing. P.Rinderu, title: *Physical education and sport socialization environments favoring students with special needs and children from orphanages*; funding course: 2002-2003; **Mangra, G.I.**, member of research team;

Research grants, no 36816/1999 – tema no. 19 (type A), beneficiary CNCSIS 75; responsible grant Ion Rinderu, title: *Biometrical potential of students of the University of Craiova – correlation with the degree of awareness and activism*; funding course: 1999-2000; **Mangra, I.**, member of research team.