

# LISTA DE LUCRĂRI

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D. Raducanu, V.D. Cojocaru, **I. Cinca**, I. Dan, S. Ivanescu. *Process for thermo-mechanically processing Ti-6Al-7Nb alloy for making spinal implants*, Nr. Brevet RO125313-A2, Publicat 30 Mar 2010; Main IPC C21D-008/00; Indexare: Derwent Innovation Index/ISI Web of Knowledge; Derwent Primary Accession Number: [2010-K24235 \[53\]](#)

## VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

**P** – Proiecte de cercetare-dezvoltare-inovare obtinute prin competitie, pe bază de contract/grant, in tara/strainatate (**Pn** - nationale, **Pi** - internationale).

**Pi** – internationale

**Denumire / Autoritatea Contractanta / Program / Contract Nr. / Ani / Suma alocata UPB**

“Functionalized superelastic alloys for load-bearing implants”/ CNMP / PN II - MNT Era-NET / Contract: MNT-7-075/2013 / 2013 – 2015 / **193.200 RON**

<http://www.mdef.pub.ro/research/MANUNETISA/index.html>

“Multifunctional nanostructured titanium implant surfaces and biomechanical considerations of animal models used in tissue engineering of bone”/ CNMP / PN II - MNT Era-NET / Contract: MNT-7-010/2008, / 2008 – 2009 / **50.000 RON**

[http://www.webs.ulpgc.es/ream\\_rib/Material%20para%20la%20Web/Actividades/1er%20WorkShop%20Conocermos/IB\\_GIIM.pdf](http://www.webs.ulpgc.es/ream_rib/Material%20para%20la%20Web/Actividades/1er%20WorkShop%20Conocermos/IB_GIIM.pdf)

“TiAl alloys processed to improve operating capabilities in automotive and aerospace applications” / CNMP / PN II - MNT Era-NET / Contract: MNT-7-019/2010 / 2010 – 2011 / **425.700 RON**

<http://www.mdef.pub.ro/research/TIALMANU/index.html>

“Advanced nanostructured metallic biomaterials for implantable medical devices” / CNMP / PN II - MNT Era-NET / Contract: MNT-7-017/2009 / 2009 – 2011 / **620.000 RON**

<http://www.mdef.pub.ro/research/NANOBIOALL/index.html>

**Pn** - nationale.

<b>Denumire / Autoritatea Contractanta / Program / Contract Nr. / Ani / Suma alocata UPB</b>
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<p>“Produse prietenoase mediului pe baza de acoperiri compozite polimerice conductoare pe suporturi nanostructurate cu efect antifouling si aplicatii in reducerea poluarii si a coroziunii - ProdCompoCor”/ CNMP / PN-II / Contract Nr. 32-106/01.10.2008 / <b>98.700 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Micro/nano materiale functionale inteligente - PM-SMART”/ CNMP / PN-II / Nr. 71-116/14.09.2007 / 2007 – 2010 / <b>225.000 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Sistem integrat de cercetari avansate pentru biomateriale alternative cu aplicatii in stomatologie - BIODENTAL” / AMCSIT / CEEX06 / Contract Nr. 154/20.07.2006 / 2006 – 2008 / <b>495.500 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Dispozitive medicale implantabile pentru chirurgia coloanei - IMEDIS”/ AMCSIT / CEEX05 / Contract Nr. 17/3.10.2005 / 2005 – 2008 / <b>230.000 RON</b> <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Structuri 2D si 3D din aliaje ternare biocompatibile cu memoria formei -BIOSMETA” / AMCSIT / CEEX05 / Contract Nr. 25/3.10.2005 / 2005 – 2008 / <b>96.000 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Laborator integrat cu caracter telematic de instrumentatie virtuala pentru stiinta materialelor” / CNMP / INFOSOC / Contract Nr. 160/01.10.2004 / 2004 – 2006 / <b>18.000 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Biomateriale metalice avansate, nanostructurate, pentru implante ortopedice - BioTiTaNano” / CNMP / PN-II / Contract Nr. 72-188/01.10.2008 / 2008 – 2011 / <b>317.618 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Noi biomateriale avansate, nanostructurate cu baza titan si elemente de aliere netoxice - NanoBioTiAll” / CNMP / PN-II / Contract Nr. 71-021/14.09.2007 / 2007 – 2010 / <b>493.093 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Interactii bio / non-bio implicate in design-ul tesaturilor tari - InTesTa” / CNMP / PN-II / Contract Nr. 41-059/14.09.2007 / 2007 – 2010 / <b>484.362 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Retea integrata de cercetare pentru constituirea unei platforme tehnologice de biomateriale avansate, compatibila EuMaT - ADVABIOMAT” / CNMP / CEEX06 / Contract Nr. 54/20.07.2006 / 2006 – 2008 / <b>290.000 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Materiale nanostructurate biocompatibile pentru dispozitive medicale - NANOBIOMED” / AMCSIT / CEEX05 / Contract Nr. 40/3.10.2005 / 2005 – 2008 / <b>770.000 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Integrated laboratory with applications in materials science, axed on micromechanical testing - MICROMAT” CNMP / IMPACT / Contract Nr. 429/2007 / 2007 / <b>40.000 RON</b>  <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>
<p>“Cercetari fundamentale si aplicative privind obtinerea produselor tubulare din oteluri de calitate superioara in vederea reducerii costurilor si ecologizarii productiei” / AMCSIT / CEEX06 / Contract Nr. XC22/20.07.2006 / 2006 – 2008 / <b>125.000 RON</b> <a href="http://www.mdef.pub.ro/index.html">http://www.mdef.pub.ro/index.html</a></p>

## F - Proiecte de cercetare-dezvoltare-inovare la care am fost membru in colectivul de lucru

<p>“Modernizarea tehnologiei de fabricatie a tevilor din oteluri aliate si nealiate prin punerea in opera a unui sistem performant de perforare cu racire interioara a poansonului”, RELANSIN Nr. 2063/01.10.2004, UPB-CEMS, 2004 - 2006;</p>
<p>“Realizarea tehnologiei de prelucrare a unor aliaje biocompatibile pe baza de metale nobile”, RELANSIN Nr. 2025/01.10.2004, UPB-CEMS, 2004 - 2006;</p>
<p>“Valorificarea deseurilor din aliaj Zircalloy 4 in energetica nucleara”, RELANSIN Nr. 1253/18.01.2001, CEMS – UPB, 2001 - 2003;</p>
<p>“Materiale magnetice avansate”, RELANSIN Nr. 766/13.09.2000, CEMS - UPB, 2000, 2001, 2002;</p>
<p>“Realizarea aliajelor Ti-Ni cvasistoechiometrice si a aliajelor din sistemul Ti-Ni-X”, CEMS - UPB, ORIZONT 2000, Tema A59, 545/2000, Act Adicional 1/2002;</p>
<p>“Realizarea aliajelor Ti-Ni cvasistoechiometrice si a aliajelor din sistemul Ti-Ni-X”, CEMS - UPB, ORIZONT 2000, Tema A59, 545/2000, Act Adicional 1/2001;</p>
<p>“Cercetari privind tehnologia deformarii plastice atipice a aliajelor industriale”, CEMS - UPB, Tema A6, 286/2000;</p>
<p>“Cercetari privind tehnologia deformarii plastice atipice a aliajelor industriale”, CEMS - UPB, Tema B5, 467/1999;</p>
<p>“Studii si cercetari privind imbunatatirea calitatii laminatelor din otel de rulmenti”, CEMS - UPB, Tema</p>

A2, 721/1999;

“Stabilirea tehnologiilor de elaborare, turnare si laminare a otelului de rulmenti”, CEMS - UPB, Tema A7, 612/1998;

**Semnătura,**  
Prof.Dr.Ing. Ion CINCA