

Domeniul 7 Tipul 2 - Materiale, procese si produse inovative

Nr. Crt.	Nr. Contract	NUME DIRECTOR PROIECT	PRENUME DIRECTOR PROIECT	TITLU (EN)	INSTITUTIE COORDONATOARE	BUGET alocat 2013
1	151/2012	Parvulescu	Vasile	Extensive valorization of lignin and salicylic acid to bulk and fine chemicals	University of Bucharest	624.000,00
2	152/2012	Teodorescu	Cristian-Mihail	High temperature, high stability, low cost evaporation cells for molecular beam epitaxy	National Institute of Materials Physics	645.000,00
3	153/2012	Socol	Gabriel	Fabrication of osteoinductive orthopedic implants with gradual 3D hierarchical structure	National Institute for Laser, Plasma and Radiation Physics	738.000,00
4	154/2012	Garea	Sorina Alexandra	Drug delivery Hybrids based on polymers and porous clay heterostructure	University Politehnica of Bucharest	855.600,00
5	155/2012	Ionescu	Clara Mihaela	Modern Cascade for 13C Cryogenic Separation	Technical University of Cluj-Napoca	645.750,00
6	156/2012	Barariu	Gheorghe	Development of the closure strategy of National Repository of Radioactive Waste Baita, Bihor based on optimization of the engineering barriers system	Subsidiary of Technology and Engineering for Nuclear Projects	522.000,00
7	157/2012	Vekas	Ladislau Nicolae	High magnetization magnetic nanofluids and nano-micro composite magnetizable fluids: applications in high pressure and heavy duty rotating seals and magnetorheological controller device	Romanian Academy - Timisoara Branch	725.625,00
8	158/2012	Stanescu	Paul Octavian	Innovative polyester/bacterial cellulose composites for biomedical engineering	UPB	711.000,00
9	159/2012	Enculescu	Ionut-Marius	High efficiency electrospinning	National Institute of Materials Physics	657.000,00
10	160/2012	Vladoiu	Rodica	Complex carbon and titanium based nanocomposites for industrial application	Ovidius University of Constanta	581.700,00
11	161/2012	Rasvan	Vladimir	Digital and hybrid control techniques of the converters for controlled drives.	University of Craiova	399.000,00
12	162/2012	Gyorgy	Eniko	Complex high surface area photoactive nano-materials for environmentally-friendly energy production and organic pollutants degradation	National Institute for Lasers, Plasma, and Radiations Physics	520.200,00
13	163/2012	Surdanu	Gheorghe Tudor	Making of mechanical components resistant to temperature and wear by reactive sintering of Al-Al ₂ O ₃ composites	Societate Comerciala INSTITUTUL DE CERCETARE SI PROIECTARE TEHNOLOGICA TEHNOMAG CUG Societate pe actiuni	513.000,00

14	164/2012	Vasile	Cornelia	Antimicrobial bionanocomposites for medical applications	Petru Poni Institute of Macromolecular Chemistry	815.100,00
15	165/2012	Moldovan	Marioara	New generation of biomaterials for cosmetic dentistry	Babes-Bolyai University	640.800,00
16	166/2012	Neatu	Florentina	Biomaterials synthesis for polyesters industry with applicability in the production of ballistic protection equipments	Universitatea din Bucuresti	657.000,00
17	167/2012	Gaidau	Carmen	Tehnologii de obtinere a articolelor de piele cu proprietati de autoprotectie, prin functionalizarea suprafetei cu nanoparticule oxidice si metalice, pentru aplicatii avansate	The Research and Development National Institute for Textile and Leather- Leather and Footwear Research Institute Division	499.200,00
18	168/2012	Ficai	Denisa	Hybrid composite materials with thermoplastic matrices doped with fibres and disperse nano fillings for materials with special purposes	University Politehnica of Bucharest	435.000,00
19	169/2012	Pavel	Eugen	Petabyte Optical Disc	Storex Technologies srl	462.288,00
20	170/2012	Mihaela	Taca	High toughness nanoprecipitated microalloyed steels	S.C.Metav	547.200,00
21	171/2012	Tomoaia - Cotisel	Maria	Development of new tools and smart composites based on advanced nanotechnology for medical applications	Babes-Bolyai University of Cluj-Napoca	432.750,00
22	172/2012	Zamfirescu	Florian	NEW METHODS FOR DECOMMISSIONING OF UNDERGROUND CAVERNS	Universitatea din Bucuresti	686.292,00
23	173/2012	Plitea	Nicolae	Robotic assisted brachytherapy, an innovative approach of inoperable cancers	Universitatea Tehnica din Cluj-Napoca	671.100,00
24	174/2012	Popa	Gheorghe	Process and device for thin films deposition in highly ionized pulsed plasma	Universitatea Alexandru Ioan Cuza	634.545,00
25	175/2012	Cotrut	Mihai Cosmin	Biocompatible coatings for enhanced bond strength of ceramic to metal in dental restorations	Universitatea Politehnica Bucuresti - Centrul de Biomateriale	519.000,00
26	176/2012	Frentiu	Tiberiu	Miniaturized Equipment with Capacitively Coupled Plasma Microtorch and Analytical Technologies for Simultaneous Elemental Determination used in Environment and Foods control	Universitatea Babes Bolyai	588.600,00
27	177/2012	Moanta	Adriana	Special cement for composite materials used for gamma radiation shielding with nuclear application	S.C. Ceprochim S.A.	594.000,00
28	178/2012	Joga	Aurora	Composite structures from bio-polyurethane resins matrices, sunthesized from vegetal oils, reinforced with bast fibres	ICPE SA	611.250,00

29	179/2012	Carpus	Eftalea	ESD protective garments made with core conductive fibres	Institutul National de Cercetare-Dezvoltare pentru Textile si Pielarie	546.000,00
30	180/2012	Olaru	Radu	A hybrid fes-exoskeleton system to rehabilitate the upper limb in disabled people	Universitatea Tehnica "Gh. Asachi" din Iasi	710.400,00
31	181/2012	Martis	Claudia	Automotive Low-Noise Electrical Machines and Drives Optimal Design and Development	Universitatea Tehnica din Cluj-Napoca	298.200,00
32	182/2012	Oprea	Cristina	Multilayer Systems for Cryogenic and High Temperature Applications	Tensor	332.760,00
33	183/2012	Stancu	Izabela-Cristina	Bioactive Injectable Macroporous Biomaterials for Bone Regeneration	UPB	872.250,00
34	184/2012	Calin	Mihaela Antonina	Multimodality Optical Imaging System for Intraoperative Detection of Tumor Positive Margins	NATIONAL INSTITUTE OF R&D FOR OPTOELECTRONIC	564.000,00
35	185/2012	Corabieru	Anisoara	Technology of obtaining of modified superficial layers of the vehicles parts and component parts, by combined processing in liquid and solid phase.	SC PROCOMIMPEX SRL	270.000,00
36	186/2012	Elisa	Mihail	New vitreous magneto-optical materials applied in optoelectronics	National Institute of Research and Development for Optoelectronics INOE 2000	555.000,00
37	187/2012	Dobrescu	Lidia	New Innovative System for Radiation Safety of Patients Investigated by Radiological Imaging Methods, based on Smart Cards and PKI Infrastructures	Politehnica University of Bucharest	397.343,00
38	188/2012	Binchiciu	Horia	High performance materials and technologies fated for the realization of the knives of mill for asphalt	SC SUDOTIM AS SRL	882.000,00
39	189/2012	Prejmerean	Cristina	Novel advanced smart biomaterials of giomer type with applications in dentistry	Babes-Bolyai University	582.000,00
40	190/2012	Seiciu	Petre Lucian	3-D Mechatronic Reality System for Rehabilitation Learning in Real and Virtual Integrated Environments	POLITEHNICA University Bucharest	638.100,00
41	191/2012	Fodorean	Daniel	Hardware-in-the-Loop Modular Platform for Testing the Energy Management of Competitive & Highly-Efficient Hybrid-Electric Vehicles	Universitatea Tehnica din Cluj-Napoca	569.100,00
42	192/2012	Sebesan	Ioan	Solutions to improve dynamic performance and security crashworthiness of railway vehicles to be according to European norms	Politehnica University of Bucharest	761.967,00
43	193/2012	Costescu	Dorinela	Research on estimation and enhancement of intrinsic safety performances for urban traffic networks	University Politehnica of Bucharest	494.190,00