

**Program IDEI\_Proiecte de Cercetare Exploratorie\_Competitie 2011**  
**Rezultate preliminare**

<b>Nr. Crt.</b>	<b>Cod Proiect</b>	<b>Domeniu</b>	<b>Nume</b>	<b>Prenume</b>	<b>Institutie</b>	<b>Titlul</b>	<b>Punctaj final</b>	<b>Buget total solicitat (lei)</b>	<b>STARE</b>
1	PN-II-ID-PCE-2011-3-0120	Stiinta materialelor	Picu	R. Catalin	University POLITEHNICA of Bucharest	Next generation of epoxies for structural applications: nanocomposites with enhanced strength and toughness	<b>93</b>	1,446,000.0	se incadreaza in bugetul competitiei
2	PN-II-ID-PCE-2011-3-0442	Stiinta materialelor	Baia	Lucian	Babes-Bolyai University	Designing composite nanoarchitectures for H2 production and environmental depollution	<b>93</b>	1,500,000.0	se incadreaza in bugetul competitiei
3	PN-II-ID-PCE-2011-3-0505	Stiinta materialelor	Rau	Ileana	University POLITEHNICA of Bucharest	Elaboration et caracterisation of functional biopolymers for photonic and electronic applications	<b>92</b>	1,500,000.0	se incadreaza in bugetul competitiei
4	PN-II-ID-PCE-2011-3-0060	Stiinta materialelor	Parvulescu	Vasile	University of Bucharest	Heterogeneous Catalytic Synthesis of Amine derivatives via Hydroamination and N-C coupling reactions	<b>91</b>	1,500,000.0	se incadreaza in bugetul competitiei
5	PN-II-ID-PCE-2011-3-0036	Stiinta materialelor	DADARLAT	DORIN NICOLAE	National Institute for Research and Development of Isotopic and Molecular Technology	High Accuracy Photopyroelectric Calorimetry for Magnetic Nanofluids	<b>90.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
6	PN-II-ID-PCE-2011-3-0274	Stiinta materialelor	GRIGORAS	MIRCEA	P. Poni Institute of Macromolecular Chemistry	NOVEL CONJUGATED POLYMER STRUCTURES FOR HIGH EFFICIENCY ALL-ORGANIC SOLAR CELLS	<b>90.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
7	PN-II-ID-PCE-2011-3-0477	Stiinta materialelor	Andruh	Marius	University of Bucharest	Coordination polymers and molecular nano-objects as multifunctional materials	<b>90.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
8	PN-II-ID-PCE-2011-3-0479	Stiinta materialelor	Alexandrescu	Rodica	National Institute for Lasers, Plasma and Radiation Physics	Novel approach to nanoscale, multi-functional materials, to reduce toxics and bacteria and to manage resources more efficiently. Acronym: MULTINANEF	<b>90.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
9	PN-II-ID-PCE-2011-3-0937	Stiinta materialelor	Silvia	Ioan	"Petru Poni" Institute of Macromolecular Chemistry	Complex systems based on polymers containing alicyclic structures for high performance materials	<b>90</b>	1,000,000.0	se incadreaza in bugetul competitiei
10	PN-II-ID-PCE-2011-3-0268	Stiinta materialelor	Teodorescu	Valentin Serban	National Institute of Materials Physics	Microstructural transformations of thin films by pulsed laser irradiation at fluences lower than the ablation threshold	<b>90</b>	1,400,000.0	se incadreaza in bugetul competitiei
11	PN-II-ID-PCE-2011-3-0659	Stiinta materialelor	Silvestru	Anca	Babes-Bolyai University Cluj-Napoca	New complexes with metal-chalcogen bonds as potential precursors for electronic materials	<b>90</b>	1,500,000.0	se incadreaza in bugetul competitiei
12	PN-II-ID-PCE-2011-3-0346	Stiinta materialelor	Diudea	Mircea Vasile	Babes-Bolyai University	Dendrimer-carbon nanostructure conjugates as drug delivery support	<b>89.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
13	PN-II-ID-PCE-2011-3-0650	Stiinta materialelor	Gurlui	Silviu	Alexandru Ioan Cuza University of Iasi	The study of polymer-laser radiation interactions in controlled atmosphere. Laser ablation nanostructured thin films layers. Applications.	<b>89</b>	1,500,000.0	se incadreaza in bugetul competitiei
14	PN-II-ID-PCE-2011-3-0773	Stiinta materialelor	Frunza	Ligia	National Institute of Materials Physics	Complex characterization of coated/functionalized textiles: wettability, direct analysis, spectroscopic and structural properties in correlation	<b>88.33</b>	1,500,000.0	se incadreaza in bugetul competitiei

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15	PN-II-ID-PCE-2011-3-0453	Stiinta materialelor	Rezlescu	Nicolae	National Institute of Research and Development for Technical Physics - IFT Iasi	NEW NANOSTRUCTURED OXIDES MATERIALS, FERRITES AND PEROVSKITES, FOR THE CATALITIC COMBUSTION OF SOME GASES IN LOW CONCENTRATIONS	<b>88</b>	1,291,156.0	se incadreaza in bugetul competitiei
16	PN-II-ID-PCE-2011-3-0535	Stiinta materialelor	Ionescu	Anca-Luiza	University Politehnica of Bucharest	Ordered Soft Materials to Improve Dye-sensitized Solar Cells' Efficiency	<b>87.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
17	PN-II-ID-PCE-2011-3-0238	Stiinta materialelor	Ardelean	Ioan	Universitatea Tehnica din Cluj-Napoca	Nuclear magnetic resonance studies of surface effects on dynamics of molecules confined inside porous media with magnetic impurities	<b>87.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
18	PN-II-ID-PCE-2011-3-0125	Stiinta materialelor	Pruneanu	Stela Maria	National Institute for Research and Development of Isotopic and Molecular Technologies	Graphene-metal nanoparticles based electrodes for detection of pharmaceutical pollutants	<b>87.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
19	PN-II-ID-PCE-2011-3-0041	Stiinta materialelor	Coman	Simona	University of Bucharest	Heterogeneous organocatalysts for the green synthesis of chiral glycinate intermediates	<b>86.5</b>	1,500,000.0	se incadreaza in bugetul competitiei
20	PN-II-ID-PCE-2011-3-0129	Stiinta materialelor	Biris	Alexandru Radu	National Institute for Research and Development of Isotopic and Molecular Technologies	Synthesis of high purity graphene by CCVD-IH method on noble-metal catalyst for studying DNA oxidation	<b>86.5</b>	1,500,000.0	se incadreaza in bugetul competitiei
21	PN-II-ID-PCE-2011-3-0384	Stiinta materialelor	Circu	Viorel	Universitatea din Bucuresti	Luminescent ionic liquid crystals	<b>86.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
22	PN-II-ID-PCE-2011-3-0534	Stiinta materialelor	Tiseanu	Carmen	National Institute for Laser, Plasma & Radiation Physics	Temporally and spectrally resolved luminescence of lanthanide's doped tetravalent nano-oxides: A unitary approach	<b>86.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
23	PN-II-ID-PCE-2011-3-0038	Stiinta materialelor	Mangalagiu	Ionel	Alexandru Ioan Cuza University of Iasi	New polifunctional nitrogen derivatives (heterocycles, podants and macrocycles) as smart versatile building blocks for multiple tasks	<b>86</b>	1,500,000.0	se incadreaza in bugetul competitiei
24	PN-II-ID-PCE-2011-3-0128	Stiinta materialelor	Darabantu	Mircea	University BABES-BOLYAI	ITERATIVE SYNTHESIS. NOVEL DENDRITIC MELAMINES INCORPORATING SERINOLIC UNITS. DESIGN, PREPARATION, STRUCTURAL ANALYSIS AND POTENTIAL APPLICATIONS.	<b>86</b>	1,500,000.0	se incadreaza in bugetul competitiei
25	PN-II-ID-PCE-2011-3-0622	Stiinta materialelor	Nichifor	Marieta	Petru Poni Institute of Macromolecular Chemistry	Nanosized micelles and vesicles from amphiphilic block copolymers with polysaccharides as hydrophilic blocks. A versatile route to new biomaterials	<b>86</b>	1,500,000.0	se incadreaza in bugetul competitiei
26	PN-II-ID-PCE-2011-3-0232	Stiinta materialelor	Ovidiu	Crisan	National Institute for Materials Physics	Advanced architected self-assembled core-shell nanoparticles as 2D arrays of magnetic nanosensors	<b>86</b>	1,700,000.0	se incadreaza in bugetul competitiei
27	PN-II-ID-PCE-2011-3-0888	Stiinta materialelor	Cristescu	Rodica	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA LASERILOR PLASMEI SI RADIATIEI	FUNCTIONALIZED FLAVONOID-BIOPOLYMER NANOSTRUCTURED COMPOSITES PROCESSED FOR ANTIBACTERIAL ACTIVITY	<b>85.75</b>	1,500,000.0	se incadreaza in bugetul competitiei
28	PN-II-ID-PCE-2011-3-0623	Stiinta materialelor	Baibarac	Mihaela	National Institute of Materials Physics	One-dimensional composites based on carbon nanotubes and conjugated polymers for applications in energy storage and optoelectronic devices field	<b>85.67</b>	1,500,000.0	se incadreaza in bugetul competitiei

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29	PN-II-ID-PCE-2011-3-0350	Stiinta materialelor	Lupu	Dan Miron	Institutul Național de Cercetare Dezvoltare pentru Tehnologii Izotopice și Moleculare	Issues and challenges for hydrogen storage in composites with metal-organic frameworks	<b>84.75</b>	1,500,000.0	se incadreaza in bugetul competitiei
30	PN-II-ID-PCE-2011-3-0933	Stiinta materialelor	Silvestru	Cristian	Babes-Bolyai University	NEW ORGANOMETALLIC COMPOUNDS OF HEAVY GROUP 15 METALS (ANTIMONY, BISMUTH) – POTENTIAL USE IN CATALYSIS	<b>84.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
31	PN-II-ID-PCE-2011-3-0223	Stiinta materialelor	Garea	Sorina Alexandra	University POLITEHNICA of Bucharest	New polybenzoxazine-based nanohybrids	<b>84.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
32	PN-II-ID-PCE-2011-3-0735	Stiinta materialelor	MIHAILESCU	Ion N.	National Institute for Lasers, Plasma and Radiation Physics	Multi-parameter nanosensors synthesized by advanced metal oxide technologies	<b>84.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
33	PN-II-ID-PCE-2011-3-0403	Stiinta materialelor	Secu	Mihail	National Institute of Materials Physics	INFRARED-PUMPED UPCONVERSION GLASS-CERAMIC NANORODS FOR PHOTONICS APPLICATIONS	<b>84.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
34	PN-II-ID-PCE-2011-3-0407	Stiinta materialelor	Craciun	Doina	National Institute for Lasers, Plasma and Radiation Physics	Investigations of ZrC thin films properties for TRISO nuclear fuel applications	<b>83.5</b>	1,500,000.0	se incadreaza in bugetul competitiei
35	PN-II-ID-PCE-2011-3-0164	Stiinta materialelor	Buruiana	Emil Constantin	Petru Poni Institute of Macromolecular Chemistry	Conception and achievement of hybrid nanocomposites based on novel polymer structures for biomedical and optical applications in nanotechnology	<b>83.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
36	PN-II-ID-PCE-2011-3-0408	Stiinta materialelor	Ionita	Petre	Universitatea din Bucuresti, Facultatea de Chimie	Multifunctional organic stable radicals in supramolecular high-spin architectures and materials	<b>83.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
37	PN-II-ID-PCE-2011-3-0270	Stiinta materialelor	SIRGHI	LUCEL	Universitatea Alexandru Ioan Cuza	PLASMA FUNCTIONALIZATION OF NANOSCOPIC PROBES	<b>83.25</b>	1,499,187.5	se incadreaza in bugetul competitiei
38	PN-II-ID-PCE-2011-3-1016	Stiinta materialelor	Braic	Mariana	National Institute for Optoelectronics	High entropy alloy carbides as Next Generation Coatings - HOPING	<b>83</b>	1,500,000.0	se incadreaza in bugetul competitiei
39	PN-II-ID-PCE-2011-3-0745	Stiinta materialelor	Mitoseriu	Liliana	Alexandru Ioan Cuza University	Material design, preparation, properties and modeling of multifunctional oxides structures for microelectronics and new energy storage applications	<b>82.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
40	PN-II-ID-PCE-2011-3-0199	Stiinta materialelor	BERCEA	Maria	Petru Poni Institute of Macromolecular Chemistry	POLYMER MATERIALS WITH SMART PROPERTIES	<b>82.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
41	PN-II-ID-PCE-2011-3-0916	Stiinta materialelor	Anghel	Dan-Florin	Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane	Investigating micro- and nanostructured colloidal systems by fluorescently labeled polymers and probes	<b>82.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
42	PN-II-ID-PCE-2011-3-0446	Stiinta materialelor	Gartner	Mariuca	Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy	Improved TCO materials for the next generation transparent electronics and their complex investigation by wide range ellipsometry from UV to Mid IR	<b>82.25</b>	1,500,000.0	se incadreaza in bugetul competitiei

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43	PN-II-ID-PCE-2011-3-0868	Stiinta materialelor	Dumitriu	Emil	Gheorghe Asachi Technical University of Iasi	New Approach to Prepare Highly Dispersed non-Noble (Bi)metallic Nanoparticles Supported on Ordered Mesoporous Silicas for Catalytic Applications.	<b>82</b>	1,400,000.0	se incadreaza in bugetul competitiei
44	PN-II-ID-PCE-2011-3-0708	Stiinta materialelor	Popa	Marcel	Gheorghe Asachi Technical University of Iasi	Innovative electroluminescent nanocomposites for a new approach in polymer based light emitting devices	<b>81.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
45	PN-II-ID-PCE-2011-3-0668	Stiinta materialelor	Ianculescu	Adelina - Carmen	"Politehnica" University Bucharest	Size effects, formation mechanisms, and properties in micro- and nanostructured perovskite ferroic systems prepared by alternative methods	<b>81.67</b>	1,500,000.0	se incadreaza in bugetul competitiei
46	PN-II-ID-PCE-2011-3-0035	Stiinta materialelor	Farcas	Aurica	PETRU PONI INSTITUTE OF MACROMOLECULAR CHEMISTRY	Polyrotaxanes based on pi-Conjugated backbone for Micro/Optoelectronic Applications	<b>81.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
47	PN-II-ID-PCE-2011-3-0876	Stiinta materialelor	Pana	Ioan - Ovidiu	National Institute of Research and Development for Isotopic and Molecular Technologies, Cluj-Napoca	Core-shell composite nanoparticles based on Fe and Pt having adjustable magnetic, dispersive and functional properties	<b>81.33</b>	1,500,000.0	se incadreaza in bugetul competitiei
48	PN-II-ID-PCE-2011-3-0218	Stiinta materialelor	Mareci	Daniel	Technical University "Gheorghe Asachi" Iasi	Corrosion predictions of titanium-based biomaterials with non-homogenous micro and nanostructured surfaces using neural networks	<b>81</b>	1,500,000.0	se incadreaza in bugetul competitiei
49	PN-II-ID-PCE-2011-3-0643	Stiinta materialelor	Georgescu	Serban	National Institute for Laser, Plasma and Radiation Physics	Infrared-infrared and infrared-ultraviolet upconversion processes in rare-earth doped phosphors	<b>81</b>	1,500,000.0	se incadreaza in bugetul competitiei
50	PN-II-ID-PCE-2011-3-0544	Stiinta materialelor	Fechete	Radu	Technical University of Cluj-Napoca	Structure-dynamics-properties relationships and aging effects in nanocomposite elastomers and proton exchange membranes	<b>81</b>	1,500,000.0	se incadreaza in bugetul competitiei
51	PN-II-ID-PCE-2011-3-0566	Stiinta materialelor	Nistor	Magdalena	National Institute for Lasers, Plasmas and Radiation Physics	Multifunctional zinc oxide thin films	<b>80.75</b>	1,500,000.0	se incadreaza in bugetul competitiei
52	PN-II-ID-PCE-2011-3-0473	Stiinta materialelor	Carp	Oana	Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy	Eco-friendly design/synthesis of nanooxides: control of size, shape, morphology and functionalization of ZnO by polysaccharide-assisted methodologies	<b>80.67</b>	1,500,000.0	lista de rezerva
53	PN-II-ID-PCE-2011-3-0300	Stiinta materialelor	Dragan	Ecaterina Stela	Petru Poni Institute of Macromolecular Chemistry	Porous ionic matrices with tailored architectures and responsiveness to host bioactive compounds	<b>80.5</b>	1,500,000.0	lista de rezerva
54	PN-II-ID-PCE-2011-3-1065	Stiinta materialelor	Leca	Victor	National Institute for Research and Development in Microtechnologies	Experimental investigation on the order parameter symmetry of the superconducting Sr1-xLaxCuO2 thin films using SQUIDS	<b>80.33</b>	1,500,000.0	lista de rezerva
55	PN-II-ID-PCE-2011-3-0856	Stiinta materialelor	Neda	Ion	National Institute for Research&Development in Electrochemistry and Condensed Matter Timisoara	IMMUNOMODULANTE FLUOROLYCOPEPTIDE MOLECULAR ARCHITECTURES	<b>80.25</b>	1,700,000.0	lista de rezerva
56	PN-II-ID-PCE-2011-3-0295	Stiinta materialelor	Gligor	Delia Maria	Babes-Bolyai University of Cluj-Napoca	Electroactive composite materials based on silicates and aluminosilicates, for detection of some compounds of biological and environmental interest	<b>80</b>	1,268,750.0	lista de rezerva

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57	PN-II-ID-PCE-2011-3-0207	Stiinta materialelor	Grosu	Ion	Babes-Bolyai University	Technomimetic mechanically interlocked molecules: Design, Synthesis and Properties.	<b>80</b>	1,500,000.0	lista de rezerva
58	PN-II-ID-PCE-2011-3-0227	Stiinta materialelor	Ion	Alina Catrinel	University Politehnica of Bucharest	Applications of new carbon - based nanomaterials as sorbents for environmental contaminants	<b>80</b>	1,500,000.0	lista de rezerva
59	PN-II-ID-PCE-2011-3-0710	Stiinta materialelor	BENEA	Lidia	Dunarea de Jos University of Galati	Nano - structuring / modification of surfaces and their characterization for biomedical and industrial applications	<b>79.67</b>	1,494,000.0	lista de rezerva
60	PN-II-ID-PCE-2011-3-0404	Stiinta materialelor	Valeanu	Mihaela	National Institute of Materials Physics	New tuned Ferromagnetic Shape Memory Alloys	<b>79.67</b>	1,500,000.0	lista de rezerva
61	PN-II-ID-PCE-2011-3-0369	Stiinta materialelor	Aldea	Nicolae	National Institute for Research and Development for Isotopic and Molecular Technologies, Cluj-Napoca	NANODIMENSIONALITY ANALYSIS TECHNIQUES FOR METALLIC CLUSTERS WITH CATALYTIC PROPERTIES	<b>79.33</b>	1,500,000.0	lista de rezerva
62	PN-II-ID-PCE-2011-3-0345	Stiinta materialelor	Stefanescu	Mircea	Universitatea Politehnica din Timisoara	Development of nanostructured iron oxides with targeted properties for technological and biomedical applications	<b>79</b>	1,000,000.0	lista de rezerva
63	PN-II-ID-PCE-2011-3-0409	Stiinta materialelor	Craciun	Valentin	National Institute for Lasers, Plasma and Radiation Physics	Deposition, Characterization and Metrology of Amorphous Oxides for Thin Film Transistors Applications	<b>78.67</b>	1,700,000.0	lista de rezerva
64	PN-II-ID-PCE-2011-3-0282	Stiinta materialelor	ILIA	GHEORGHE	INSTITUTUL DE CHIMIE TIMISOARA AL ACADEMIEI ROMANE	NOVEL NANOSTRUCTURED MATERIALS CONTAINING ORGANOPHOSPHORUS COUPLING MOLECULES FOR STORAGE OF HYDROGEN AND OTHER ENERGY-RELATED GASES	<b>78.5</b>	1,500,000.0	lista de rezerva
65	PN-II-ID-PCE-2011-3-0966	Stiinta materialelor	Lorinczi	Adam	National Institute of Materials Physics	Metal photodiffusion in chalcogenide films for high-resolution photoresist applications	<b>78.33</b>	1,451,875.0	lista de rezerva
66	PN-II-ID-PCE-2011-3-0193	Stiinta materialelor	Neamtu	Mariana	Technical University of Iasi	Catalytical and photocatalytical removal of the endocrine disrupting compounds (EDCs) from waters	<b>78.33</b>	1,499,991.0	lista de rezerva
67	PN-II-ID-PCE-2011-3-1009	Stiinta materialelor	Galatanu	Andrei	National Institute of Materials Physics	Thermoelectric composite based on strongly correlated electron systems	<b>78.33</b>	1,500,000.0	lista de rezerva
68	PN-II-ID-PCE-2011-3-0715	Stiinta materialelor	Sandu	Viorel	National Institute of Materials Physics	Double Pinning Superconducting MgB2-Based Composites	<b>78.25</b>	1,500,000.0	Nefinantabil
69	PN-II-ID-PCE-2011-3-0690	Stiinta materialelor	Donescu	Dan	National Research & Development Institute for Chemistry and Petrochemistry ICECHIM	Organic-inorganic hybrid materials with ultra-hydrophobic properties derived from nano-structured precursors	<b>77.33</b>	1,500,000.0	Nefinantabil
70	PN-II-ID-PCE-2011-3-0839	Stiinta materialelor	Epurescu	George	National Institute for Lasers, Plasma and Radiation Physics	Doping of MgZnO thin films alloys for band gap engineering	<b>77</b>	1,500,000.0	Nefinantabil

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71	PN-II-ID-PCE-2011-3-1070	Stiinta materialelor	Baia	Monica-Maria	Babes-Bolyai University	Highly porous TiO <sub>2</sub> -Ag based nanostructures for controllable multifunctional applications	<b>77</b>	1,500,000.0	Nefinantabil
72	PN-II-ID-PCE-2011-3-0967	Stiinta materialelor	Rotaru	Petre	University of Craiova	Thermophysical properties and processing of biocompatible and biologically active materials for enhancing bone implants	<b>76.33</b>	986,700.0	Nefinantabil
73	PN-II-ID-PCE-2011-3-0147	Stiinta materialelor	MARDARE	DIANA MIHAELA	Universitatea "Alexandru Ioan Cuza" din Iasi	IMPROVEMENT OF TiO <sub>2</sub> THIN FILMS PERFORMANCES, FOR THE BENEFIT OF ENVIRONMENTAL DE POLLUTION	<b>76.33</b>	1,500,000.0	Nefinantabil
74	PN-II-ID-PCE-2011-3-1001	Stiinta materialelor	Badica	Petre	National Institute of Materials Physics	Spark plasma sintering for synthesis of refined advanced composite ceramics	<b>76.33</b>	1,700,000.0	Nefinantabil
75	PN-II-ID-PCE-2011-3-0340	Stiinta materialelor	Ghimici	Luminita	Petru Poni Institute of Macromolecular Chemistry	IONIC POLYMERS BASED ON POLYSACCHARIDES: CORRELATIONS BETWEEN STRUCTURE, PHYSICO-CHEMICAL PROPERTIES AND INTERACTION WITH OPPOSITELY CHARGED PARTICLE	<b>76</b>	1,500,000.0	Nefinantabil
76	PN-II-ID-PCE-2011-3-0860	Stiinta materialelor	Bruma	Maria	"Petru Poni" Institute of Macromolecular Chemistry	Nano-materials based on high-performance heterocyclic polymers for use in electronic and optoelectronic applications	<b>76</b>	1,500,000.0	Nefinantabil
77	PN-II-ID-PCE-2011-3-0182	Stiinta materialelor	Dumitrascu	Florea	Center for Organic Chemistry "C.D. Nenitzescu"	One-pot three component and one-pot reactions as a source of bioactive and optical active N-heteroaromatic compounds	<b>75.67</b>	800,000.0	Nefinantabil
78	PN-II-ID-PCE-2011-3-0284	Stiinta materialelor	MACARIE	LAVINIA	INSTITUTUL DE CHIMIE TIMISOARA AL ACADEMIEI ROMANE	Soft materials based on vinylphosphonic acid with potential applications as polymer electrolyte in fuel cells and ion-exchangers	<b>75.67</b>	1,500,000.0	Nefinantabil
79	PN-II-ID-PCE-2011-3-0242	Stiinta materialelor	HADARUGA	DANIEL IOAN	POLITEHNICA UNIVERSITY OF TIMISOARA	New Omega-3 Fatty Acids / Flavonoids-Anthocyanins Bioconjugates: biosynthesis & nanoencapsulation in cyclodextrins-in-liposomes	<b>75.33</b>	1,113,948.0	Nefinantabil
80	PN-II-ID-PCE-2011-3-0828	Stiinta materialelor	Bratfalean	Radu	National Institute for Research and Development of Isotopic and Molecular Technologies	Gallium-based thermally-active optical reflectors with high contrast extinction ratio	<b>75</b>	889,082.0	Nefinantabil
81	PN-II-ID-PCE-2011-3-0702	Stiinta materialelor	Olar	Rodica	University of Bucharest	Complexes with multifunctional ligands designed for solving some issues associated with pathogenic microorganism	<b>74.67</b>	1,500,000.0	Nefinantabil
82	PN-II-ID-PCE-2011-3-0573	Stiinta materialelor	Gabriela	Lisa	The "Gheorghe Asachi" Technical University of Iasi	Studies on the structure - property relationship of some new high performance materials	<b>74</b>	1,200,000.0	Nefinantabil
83	PN-II-ID-PCE-2011-3-0263	Stiinta materialelor	BUJOREANU	Leandru-Gheorghe	The GHEORGHE ASACHI Technical University from Iasi	The interaction between atomic migration and the reversion to parent phase of stress induced martensite in Fe-base shape memory alloys	<b>74</b>	1,495,000.0	Nefinantabil
84	PN-II-ID-PCE-2011-3-0819	Stiinta materialelor	Verestiuc	Liliana	'Gr T Popa' University of Medicine and Pharmacy	Biofunctionalized nanoparticles as carriers in ophthalmic drug targeting	<b>73.75</b>	1,437,600.0	Nefinantabil

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85	PN-II-ID-PCE-2011-3-0376	Stiinta materialelor	STOIA	Marcela	Universitatea "Politehnica" din Timisoara	Nanomaterials for sensors, based on Ni and Zn.The effect of particle size reduction and of the dispersion in amorphous matrices on their properties	<b>73.67</b>	1,100,000.0	Nefinantabil
86	PN-II-ID-PCE-2011-3-0310	Stiinta materialelor	Patachia	Florica Silvia Cristina	Transilvania University of Brasov	Ionic liquids-wood interaction modeling and properties control	<b>73.67</b>	1,500,000.0	Nefinantabil
87	PN-II-ID-PCE-2011-3-0523	Stiinta materialelor	Meghea	Aurelia	University POLITEHNICA Bucharest	SMART MATERIALS WITH ENHANCED BIOACTIVITY AS SIZE EFFECT FOR VARIOUS DIMENSIONALITIES	<b>73.5</b>	1,500,000.0	Nefinantabil
88	PN-II-ID-PCE-2011-3-0163	Stiinta materialelor	SACARESCU	LIVIU	Petru Poni Institute of Macromolecular Chemistry	MACROMOLECULAR PRECURSOR FOR SILICON NANOPARTICLES (NANOSIL)	<b>73.25</b>	1,500,000.0	Nefinantabil
89	PN-II-ID-PCE-2011-3-0184	Stiinta materialelor	Balint	Ioan	Romanian Academy, Institute of Physical Chemistry Ilie Murgulescu	Improvement strategy of catalysts by mediation of metal-support interaction and by control of morphology of mono and bimetallic nanoparticles	<b>72.67</b>	1,428,000.0	Nefinantabil
90	PN-II-ID-PCE-2011-3-0558	Stiinta materialelor	Hamciuc	Corneliu	"Petru Poni" Institute of Macromolecular Chemistry	Design, synthesis and characterization of multifunctional nanostructured polymeric materials for advanced applications	<b>72.67</b>	1,500,000.0	Nefinantabil
91	PN-II-ID-PCE-2011-3-0493	Stiinta materialelor	Birsa	Mihail Lucian	Universitatea "Alexandru Ioan Cuza" din Iasi	INTRAMOLECULAR INTERACTIONS IN SUBSTITUTED [2.2]PARACYCLOPHANES	<b>72.33</b>	1,500,000.0	Nefinantabil
92	PN-II-ID-PCE-2011-3-0285	Stiinta materialelor	POPA	ADRIANA	INSTITUTUL DE CHIMIE TIMISOARA AL ACADEMIEI ROMANE	Chemically modified polymers with amino(hydroxy)phosphonic/phosphonate ligands for applications in removal of pollutants from environment	<b>72.33</b>	1,500,000.0	Nefinantabil
93	PN-II-ID-PCE-2011-3-0965	Stiinta materialelor	Părvulescu	Viorica	Institute of Physical Chemistry "Ilie Murgulescu", Romanian Academy	Biotemplating synthesis of self-supporting hierarchical zeolite macrostructures for applications in catalysis	<b>72.33</b>	1,500,000.0	Nefinantabil
94	PN-II-ID-PCE-2011-3-0168	Stiinta materialelor	Vlassa	Mircea	Babes-Bolyai University	THE USE OF DIHYDROGEN BONDING IN PREPARATION OF COVALENT ORGANIC FRAMEWORKS	<b>72.25</b>	1,500,000.0	Nefinantabil
95	PN-II-ID-PCE-2011-3-0606	Stiinta materialelor	Munteanu	Ligia	Institute of Solid Mechanics, Romanian Academy	Biologically Inspired Sonic Composites	<b>72</b>	1,214,000.0	Nefinantabil
96	PN-II-ID-PCE-2011-3-0186	Stiinta materialelor	Angelescu	Daniel	Institute of Physical Chemistry "Ilie Murgulescu" Romanian Academy	DESIGNING QUANTUM DOT NANOPARTICLES FOR THE NEXT GENERATION OF SOLAR CELLS: CONTROL OF THE COMPOSITION, SIZE AND OPTICAL PROPERTIES	<b>72</b>	1,400,000.0	Nefinantabil
97	PN-II-ID-PCE-2011-3-0253	Stiinta materialelor	Leontie	Liviu	UNIVERSITATEA ALEXANDRU IOAN CUZA DIN IASI	Nanocomposites and nanostructures based on III-VI layered materials with applications in energy conversion and storage, and gas sensing/accumulation	<b>71.75</b>	1,500,000.0	Nefinantabil
98	PN-II-ID-PCE-2011-3-0511	Stiinta materialelor	Raimond	Grimberg	National Institute of Research and Development for Technical Physics	Electromagnetic evanescent guided waves in plasmonic metamaterials; applications in sensors development	<b>71.67</b>	1,500,000.0	Nefinantabil

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99	PN-II-ID-PCE-2011-3-0980	Stiinta materialelor	Chicinas	Ionel	Technical University of Cluj-Napoca	Soft magnetic nanocrystalline/nanostructured powders and compacts obtained by mechanosynthesis and spark plasma sintering	<b>71.33</b>	1,500,000.0	Nefinantabil
100	PN-II-ID-PCE-2011-3-0486	Stiinta materialelor	Burlica	Radu	"Gheorghe Asachi" Technical University of Iasi	Elimination and superior utilization of organic pollutants in water	<b>71</b>	1,001,000.0	Nefinantabil
101	PN-II-ID-PCE-2011-3-0356	Stiinta materialelor	Borcia	Gabriela	Universitatea "Alexandru Ioan Cuza" din Iasi	Functional polymer surfaces with selected properties and controlled post-treatment dynamics	<b>71</b>	1,445,000.0	Nefinantabil
102	PN-II-ID-PCE-2011-3-0338	Stiinta materialelor	Popa	Monica Mihaela	Institute of Physical Chemistry "Ilie Murgulescu"	Innovative, long term corrosion resistant, multi-layer coatings in very aggressive chemical environments, using green methods for pollution reduction	<b>71</b>	1,462,000.0	Nefinantabil
103	PN-II-ID-PCE-2011-3-0779	Stiinta materialelor	Sava	Ion	"Petru Poni" Institute of Macromolecular Chemistry	"POROUS MATERIALS BASED ON POLYIMIDES FOR MICRO/NANOELECTRONICS AND BIOMEDICAL ADVANCED APPLICATIONS"	<b>71</b>	1,500,000.0	Nefinantabil
104	PN-II-ID-PCE-2011-3-0808	Stiinta materialelor	Pascuta	Petru	Tehnical University of Cluj Napoca	NEW MAGNETIC GLASS CERAMICS MATERIALS WITH POTENTIAL APPLICATIONS IN TREATMENT OF CANCER	<b>70.75</b>	1,380,000.0	Nefinantabil
105	PN-II-ID-PCE-2011-3-0907	Stiinta materialelor	Gaina	Constantin	Petru Poni Institute of Macromolecular Chemistry	Nanostructured maleimide-based polymeric materials exhibiting thermal cleavability/removability or having remendable and self-healing properties	<b>70.67</b>	1,000,000.0	Nefinantabil
106	PN-II-ID-PCE-2011-3-0292	Stiinta materialelor	Mihaela	Racuciu	Lucian Blaga University from Sibiu	Biocompatible magnetic nanofluids. Synthesis, characterization, applications.	<b>70</b>	915,929.0	Nefinantabil
107	PN-II-ID-PCE-2011-3-0034	Stiinta materialelor	Sandu	Ion	National Institute for Lasers, Plasma, and Radiation Physic	Polymer/nanoparticle composite films for toxic gas detection	<b>70</b>	1,000,000.0	Nefinantabil
108	PN-II-ID-PCE-2011-3-0180	Stiinta materialelor	Filip	Daniela	Petru Poni Institute of Macromolecular Chemistry	Polyurethanes in complex micellar systems for drug incorporation	<b>70</b>	1,500,000.0	Nefinantabil
109	PN-II-ID-PCE-2011-3-0181	Stiinta materialelor	Macocinschi	Doina	Petru Poni Institute of Macromolecular Chemistry	Polyurethane microporous membranes for biomedical applications	<b>70</b>	1,500,000.0	Nefinantabil
110	PN-II-ID-PCE-2011-3-0098	Stiinta materialelor	Constantin	Florin	"Horia Hulubei" National Institute for Physics and Nuclear Engineering	Positron Annihilation Spectroscopy Studies of Polymers - Membranes and Thin Films	<b>70</b>	1,500,000.0	Nefinantabil
111	PN-II-ID-PCE-2011-3-0289	Stiinta materialelor	OPREA	STEFAN	Petru Poni Institute of Macromolecular Chemistry	Polyurethane-Eco-friendly (PURE) elastomers with enhanced hydrophilic/hydrophobic balance from renewable resources	<b>69.75</b>	1,500,000.0	Nefinantabil
112	PN-II-ID-PCE-2011-3-0864	Stiinta materialelor	Ciuprina	Florin	University POLITEHNICA of Bucharest	Models for the structure-properties relations in nanostructured polymeric dielectrics based on dielectric spectroscopy analysis – MoNaSpec	<b>69.33</b>	1,500,000.0	Nefinantabil



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113	PN-II-ID-PCE-2011-3-0402	Stiinta materialelor	Catrinescu	Cezar	Gheorghe Asachi Technical University of Iasi	Innovative approaches for the preparation of iron-containing zeolites as catalyst for the Fenton-like oxidation of priority organic pollutants	<b>69.25</b>	1,014,300.0	Nefinantabil
114	PN-II-ID-PCE-2011-3-0524	Stiinta materialelor	Vlascici	Dana	West University of Timisoara	Potentiometric detection and removal of heavy metals from water by using novel porphyrins and their functionalized hybrid silica nanomaterials	<b>68</b>	1,500,000.0	Nefinantabil
115	PN-II-ID-PCE-2011-3-0763	Stiinta materialelor	Sava	Bogdan Alexandru	National Institute for Laser, Plasma & Radiation Physics	New phosphate vitreous materials, as powders and thin films, with optical and magnetical properties, for optoelectronics, ecological purposes	<b>68</b>	1,500,000.0	Nefinantabil
116	PN-II-ID-PCE-2011-3-1030	Stiinta materialelor	Toma	Maricela	"C.D.Nenitescu" Center of Organic Chemistry	Integrated utilization of biomass for biofuels, lignin derivatives and allelochemicals	<b>68</b>	1,500,000.0	Nefinantabil
117	PN-II-ID-PCE-2011-3-0406	Stiinta materialelor	Popescu	Mihai	National Institute of Material Physics	New amorphous materials with intermediate phases for electronics	<b>67.75</b>	1,500,000.0	Nefinantabil
118	PN-II-ID-PCE-2011-3-0756	Stiinta materialelor	Dinca	Mihai P.	National Institute for Laser, Plasma and Radiation Physics	Design and deposition of graded-index AR coatings with nanostructured thin layers	<b>67.33</b>	978,750.0	Nefinantabil
119	PN-II-ID-PCE-2011-3-0331	Stiinta materialelor	Gyorgy	Eniko	Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Laser processing of hybrid inorganic /bio-organic and organic/ bio-organic systems, ensuring enhanced biocompatibility and controlled drug release	<b>67</b>	1,500,000.0	Nefinantabil
120	PN-II-ID-PCE-2011-3-0673	Stiinta materialelor	Gaina	Viorica	Petru Poni Institute of Macromolecular Chemistry	Structure-property correlations in hybrid materials based on thermosetting materials	<b>66.33</b>	800,000.0	Nefinantabil
121	PN-II-ID-PCE-2011-3-0658	Stiinta materialelor	Gheorghe	Lucian Marian	National Institute for Laser, Plasma and Radiation Physics	Research and development of new nonlinear optical crystals of LGSB type for the realization of highly efficient and compact visible laser sources	<b>66.33</b>	1,500,000.0	Nefinantabil
122	PN-II-ID-PCE-2011-3-0166	Stiinta materialelor	Cristiana	Radulescu	VALAHIA UNIVERSITY OF TARGOVISTE	Organic Dyes to Increase the Highlife and Efficiency of Photovoltaics Cells	<b>65.25</b>	1,200,000.0	Nefinantabil
123	PN-II-ID-PCE-2011-3-0946	Stiinta materialelor	Borcia	Catalin-Gabriel	Universitatea "Alexandru Ioan Cuza" din IASI	IMPROVING SURFACE PHYSICO-CHEMICAL PROPERTIES OF POLYMER FIBERS BY PLASMA TECHNIQUES	<b>65</b>	1,200,000.0	Nefinantabil
124	PN-II-ID-PCE-2011-3-0372	Stiinta materialelor	Fara	Laurentiu	University Politehnica of Bucharest	New nanostructured performant materials used for hybrid solar cells	<b>64.75</b>	1,500,000.0	Nefinantabil
125	PN-II-ID-PCE-2011-3-0185	Stiinta materialelor	Mureseanu	Mihaela	UNIVERSITY OF CRAIOVA	ADVANCED NANOSTRUCTURED MATERIALS FOR ENVIRONMENTAL REMEDIATION AND GREEN PROCESSES	<b>64.67</b>	1,500,000.0	Nefinantabil
126	PN-II-ID-PCE-2011-3-0706	Stiinta materialelor	Amarande	Luminita	National Institute of Materials Physics	Investigation of multiferroic properties of doped lead titanate nanopowders	<b>64</b>	1,500,000.0	Nefinantabil

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127	PN-II-ID-PCE-2011-3-0110	Stiinta materialelor	Gheorghies	Constantin	Dunarea de Jos University	NANOSTRUCTURES HAVING CONTROLABLE PHOTOLUMINESCENT PROPERTIES. PREPARATION, CHARACTERIZATION AND APPLICATIONS	<b>63.5</b>	1,053,400.0	Nefinantabil
128	PN-II-ID-PCE-2011-3-0385	Stiinta materialelor	Osaci	Mihaela	"Politehnica" University of Timisoara	STUDIES TO OPTIMIZE THE SPECIFIC ABSORPTION RATE (SAR) IN MAGNETIC HYPERTHERMIA, WITH SUPERPARAMAGNETIC NANOPARTICLES	<b>63.25</b>	771,250.0	Nefinantabil
129	PN-II-ID-PCE-2011-3-0114	Stiinta materialelor	Munteanu	Daniel	Transilvania University of Brasov	Development of new multifunctional nanostructured thin-films on flexible polymeric (plastic) substrates.	<b>62.67</b>	1,335,000.0	Nefinantabil
130	PN-II-ID-PCE-2011-3-0326	Stiinta materialelor	Martin	Diana	National Institute for Laser, Plasma and Radiation Physics	Nanoparticles synthesis for dosimetric purposes by combined electron beams, 2.45 GHz microwaves and picosecond/femtosecond laser pulses	<b>62.67</b>	1,500,000.0	Nefinantabil
131	PN-II-ID-PCE-2011-3-0076	Stiinta materialelor	Chiriac	Aurica	PETRU PONI INSTITUTE OF MACROMOLECULAR CHEMISTRY	Stimuli-responsive magnetic particles incorporating antioxidant structures and their biological evaluation	<b>61.75</b>	1,500,000.0	Nefinantabil
132	PN-II-ID-PCE-2011-3-0222	Stiinta materialelor	Iovu	Horia	University POLITEHNICA of Bucharest	PEG-coated drug-modified carbon nanotubes for targeted controlled delivery	<b>61.25</b>	1,500,000.0	Nefinantabil
133	PN-II-ID-PCE-2011-3-0923	Stiinta materialelor	Cornei	Nicoleta	"Alexandru Ioan Cuza" University of Iasi	Influence of the dopant cation on the structure, transport and catalytic properties of new manganito-cobaltites compounds	<b>61.25</b>	1,500,000.0	Nefinantabil
134	PN-II-ID-PCE-2011-3-1046	Stiinta materialelor	Chelariu	Romeu	The "Gheorghe Asachi" Technical University of Iasi	The synthesis of novel multilayer metallic biomaterials with controlled biodegradability for temporary coronary stents	<b>61</b>	1,500,000.0	Nefinantabil
135	PN-II-ID-PCE-2011-3-0859	Stiinta materialelor	Stamate	Marius	"VASILE ALECSANDRI" UNIVERSITY OF BACAU	The study of the effect of the ionization and UV radiation to the properties of d.c. magnetron sputtered TiO2 thin films.	<b>60.75</b>	1,496,000.0	Nefinantabil
136	PN-II-ID-PCE-2011-3-0590	Stiinta materialelor	Zavoianu	Rodica	University of Bucharest	Sustainable development step for obtaining ecologic fuels: Converting solid wastes into catalysts and/or adsorbents for removal of sulfur-compounds	<b>60.67</b>	1,080,000.0	Nefinantabil
137	PN-II-ID-PCE-2011-3-1032	Stiinta materialelor	Mihalache	Valentina	National Institute of Materials Physics	Elaboration of Ce <sub>1-x</sub> Gd <sub>x</sub> O <sub>2-x</sub> thin films for their potential application in electrochemical devices	<b>60.67</b>	1,500,000.0	Nefinantabil
138	PN-II-ID-PCE-2011-3-0387	Stiinta materialelor	Birzan	Liviu	Centrul de Chimie Organica Costin D Nenitescu al Academiei Romane	New photochromic or electrochromic 1,2-diazulenylethenes with potential applications to molecular switches and optical memories	<b>60.25</b>	1,500,000.0	Nefinantabil
139	PN-II-ID-PCE-2011-3-0974	Stiinta materialelor	Aflori	Magdalena	Petru Poni Institute of Macromolecular Chemistry	Conventional and nonconventional modifications of polymers for target bio-applications	<b>59.25</b>	1,500,000.0	Nefinantabil
140	PN-II-ID-PCE-2011-3-0280	Stiinta materialelor	Alexandru	Popa	Institute of Chemistry Timisoara of Romanian Academy	Nanocomposites materials based on Cs and Ag salts of Keggin type heteropolyacids incorporated on silica and titania with application in catalysis	<b>58</b>	1,500,000.0	Nefinantabil

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141	PN-II-ID-PCE-2011-3-0136	Stiinta materialelor	MITRAN	GHEORGHITA	University of Bucharest, Faculty of Chemistry	SUPPORTED MIXED OXIDES, NEW ACID CATALYSTS FOR ESTERIFICATION AND TRANSESTERIFICATION REACTIONS	<b>58</b>	1,500,000.0	Nefinantabil
142	PN-II-ID-PCE-2011-3-0944	Stiinta materialelor	Olaru	Niculae	"Petru Poni" Institute of Macromolecular Chemistry	Development of Silver- and Zinc Oxide-Polymer Functional Nanostructures	<b>56.5</b>	1,500,000.0	Nefinantabil
143	PN-II-ID-PCE-2011-3-0633	Stiinta materialelor	ANICAI	LIANA	POLITEHNICA University of Bucharest	Oxide nanostructures obtained by controlled valve metals anodic dissolution in ionic liquids based electrolytes	<b>56.33</b>	1,491,175.0	Nefinantabil
144	PN-II-ID-PCE-2011-3-0468	Stiinta materialelor	Burileanu	Liliana Michaela	University POLITEHNICA of Bucharest	Surface structured conducting polymers and conducting polymer nanocomposites for high performance display devices	<b>54.67</b>	1,496,500.0	Nefinantabil
145	PN-II-ID-PCE-2011-3-0528	Stiinta materialelor	simion	alina marieta	Universitatea Politehnica Bucuresti	Eco-friendly aza-compounds syntheses	<b>49.75</b>	881,500.0	Nefinantabil
146	PN-II-ID-PCE-2011-3-0890	Stiinta materialelor	Gaina	Ioana Luiza	Universitatea Babes Bolyai	Synthesis and photophysical behavior of new aromatic azaheterocycles	<b>49</b>	1,500,000.0	Nefinantabil
147	PN-II-ID-PCE-2011-3-0667	Stiinta materialelor	Cosereanu	Liviu	Military Equipment and Technologies Research Agency	Fundamental and applicative research on smart materials dynamic adaptability	<b>47</b>	1,500,000.0	Nefinantabil
148	PN-II-ID-PCE-2011-3-0956	Stiinta materialelor	Zalaru	Christina Marie	University of Bucharest	Biologically Active Tripodal Mannich Bases	<b>42.67</b>	1,500,000.0	Nefinantabil
149	PN-II-ID-PCE-2011-3-0029	Stiinta materialelor	Petrescu	Mircea Ionut	University "Politehnica" of Bucharest, Faculty of Materias Science and Engineering	Multidisciplinaire researches in nanostructured interfaces inside the thermal deposition on nickel support with high oxidation resistance properties	<b>41.67</b>	1,500,000.0	Nefinantabil