

Program IDEI_Proiecte de Cercetare Exploratorie_Competitie 2012
Rezultate finale_Stiinta materialelor

Nr. Crt.	Cod Proiect	Domeniu	Nume	Prenume	Institutie	Titlu	Punctaj final
1	PN-II-ID-PCE-2012-4-0111	Stiinta materialelor	Meghea	Aurelia	University POLITEHNICA of Bucharest	BIO-ACTIVE LIPID NANOCARRIERS FOR CO-ENCAPSULATION OF SELECTIVE VEGETAL EXTRACTS WITH ENHANCED PHARMACO-COSMETIC PERFORMANCE	97.66
2	PN-II-ID-PCE-2012-4-0467	Stiinta materialelor	Craciun	Valentin	National Institute for Lasers, Plasma and Radiation Physics	All-amorphous-oxide transparent and mechanically flexible thin film transistor grown by pulsed laser deposition	94.33
3	PN-II-ID-PCE-2012-4-0059	Stiinta materialelor	VLADOIU	RODICA	Ovidius University	Growth and control of the nanometer sized crystalline grains embedded in carbon based matrix by a novel concept of Thermionic Vacuum Arc method: LTVA	93.99
4	PN-II-ID-PCE-2012-4-0433	Stiinta materialelor	Hritcu	Doina	TECHNICAL UNIVERSITY GHEORGHE ASACHI IASI	NEW COMPOSITE MATERIALS FOR SUPERHYDROPHOBIC COATINGS WITH ICE-REPELLANT PROPERTIES	93
5	PN-II-ID-PCE-2012-4-0057	Stiinta materialelor	Gabriela	Carja	Gheorghe Asachi Technical University of Iasi	Self-Assemblies of Nanoparticles of Metal Oxides–Layered Double Hydroxides as Novel Formulations for Photocatalytic Applications	90.67
6	PN-II-ID-PCE-2012-4-0424	Stiinta materialelor	Ovari	Tibor-Adrian	National Institute of Research and Development for Technical Physics - Institutul National de Cercetare-Dezvoltare pentru Fizica Tehnica	Theoretical Modeling of the Magnetic Behavior of Rapidly Solidified Ferromagnetic Amorphous Submicron Wires and Nanowires	90
7	PN-II-ID-PCE-2012-4-0082	Stiinta materialelor	Teodorescu	Mircea	Universitatea Politehnica din Bucuresti	Injectable thermosensitive composite hydrogels based on degradable poly(N-isopropylacrylamide) – poly(ethylene glycol) triblock copolymers	88.33
8	PN-II-ID-PCE-2012-4-0470	Stiinta materialelor	Pop	Viorel	University Babes-Bolyai	Interphase Exchange Coupling in Hard/Soft Magnetic Nanocomposite	88.33
9	PN-II-ID-PCE-2012-4-0261	Stiinta materialelor	Cazacu	Maria	"Petru Poni" Institute of Macromolecular Chemistry	New coordination networks containing polyfunctional flexible bridges	88
10	PN-II-ID-PCE-2012-4-0398	Stiinta materialelor	Kellenberger	Andrea Rozalia	University Politehnica of Timisoara	New fabrication concept of silver nanowire/polyaniline transparent, conductive and flexible electrodes for solar cells	88
11	PN-II-ID-PCE-2012-4-0516	Stiinta materialelor	Valeanu	Mihaela	Nationale Institute of Materials Physics	Magneto-caloric and magneto-resistance effects in Heusler type Ferromagnetic Shape Memory Alloys	87.34
12	PN-II-ID-PCE-2012-4-0262	Stiinta materialelor	Culea	Eugen	Technical University of Cluj-Napoca	New heavy oxide vitreous and vitroceramic materials with structural and behavioural properties improved via co-doping processes	86
13	PN-II-ID-PCE-2012-4-0335	Stiinta materialelor	VASILE	CORNELIA	"Petru Poni" Institute of Macromolecular Chemistry	Active/Bioactive/Responsive polymeric materials/surfaces with special properties and applications	86
14	PN-II-ID-PCE-2012-4-0577	Stiinta materialelor	Gheorghe	Lucian Marian	National Institute for Laser, Plasma and Radiation Physics	Advanced nonlinear optic crystals for high-power visible laser sources based on frequency conversion processes	86
15	PN-II-ID-PCE-2012-4-0103	Stiinta materialelor	RIPOSAN	Iulian	UNIVERSITATEA POLITEHNICA BUCURESTI	Graphite nucleation control in high performance cast irons, particularly in thin wall castings production, typically for automotive industry	85
16	PN-II-ID-PCE-2012-4-0431	Stiinta materialelor	Mureseanu	Mihaela	UNIVERSITY OF CRAIOVA	HYBRID (BIO)ORGANIC-INORGANIC NANOCOMPOSITES. FROM MOLECULAR DESIGN TO GREEN CHEMISTRY APPLICATIONS	85
17	PN-II-ID-PCE-2012-4-0666	Stiinta materialelor	Maria	Dinescu	National Institute of Lasers, Plasma and Radiation Physics	Generation of compact photonic devices by laser processing of ferroelectric materials	85

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18	PN-II-ID-PCE-2012-4-0514	Stiinta materialelor	AXENTE	Emanuel	National Institute for Lasers, Plasma and Radiation Physics	Synthesis of high quality Ti, Zr, Hf nitrides and carbides thin films by in-situ optimization of PLD process	84
19	PN-II-ID-PCE-2012-4-0532	Stiinta materialelor	ION	RODICA MARIANA	National Institute of Research and Development for Chemistry and Petrochemistry	NANOSYSTEMS BASED ON PHOTOBIOACTIVE NATURAL COMPOUNDS AND TRACKING THEIR ACTIVITY IN BIOMEDICAL APPLICATIONS	84
20	PN-II-ID-PCE-2012-4-0084	Stiinta materialelor	Chirita Mihaila	Ion Marius	INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU ELECTROCHIMIE SI MATERIE CONDENSATA	Synthesis of Micrometric Single Crystalline Iron Oxide Particles Sistems (magnetite-Fe3O4) with Superparamagnetic Behavior	83.67
21	PN-II-ID-PCE-2012-4-0099	Stiinta materialelor	Iovu	Horia	Universitatea Politehnica Bucuresti	New nanocomposites based on benzoxazine-functionalized graphene oxide	83.66
22	PN-II-ID-PCE-2012-4-0178	Stiinta materialelor	Hurdac	Nicolae	Gheorghe Asachi Technical University of Iasi	Hetero-organic polymers sensitive to external stimuli with applications in medicine	83.33
23	PN-II-ID-PCE-2012-4-0572	Stiinta materialelor	CAIZER	Costica	West University of Timisoara	Superparamagnetic hyperthermia with biofunctionalized SPIONs nanocarriers for breast/cutaneous cancer therapy	82.33
24	PN-II-ID-PCE-2012-4-0321	Stiinta materialelor	Badanoiu	Alina Ioana	Universitatea Politehnica Bucuresti	Organo-mineral cementitious composites with potential self-healing ability	81.01
25	PN-II-ID-PCE-2012-4-0142	Stiinta materialelor	Sandu	Viorel Constantin	National Institute of Materials Physics	Magnetic Pinning in Magnesium Diboride, the Alternative Way for Increasing Critical Current Density	80
26	PN-II-ID-PCE-2012-4-0164	Stiinta materialelor	Badica	Petre	National Institute of Materials Physics	Spark Plasma Sintering of MgB2	79
27	PN-II-ID-PCE-2012-4-0422	Stiinta materialelor	Rotaru	Alexandru	"P. Poni" Institute of Macromolecular Chemistry	"Host-Guest" Inclusion Complexes - a New Route for the Precise Positioning and Study of Nano-Objects on the Surface of DNA Origami Nanostructures.	78
28	PN-II-ID-PCE-2012-4-0135	Stiinta materialelor	Fundueanu-Constantin	Gheorghe	"Petru Poni" Institute of Macromolecular Chemistry	Advanced drug delivery systems based on intelligent materials	77
29	PN-II-ID-PCE-2012-4-0223	Stiinta materialelor	Lidia Magdalena	Ciurea	National Institute of Materials Physics	Films of Si1-xGex nanocrystals embedded in silica with high photoconductive properties	77
30	PN-II-ID-PCE-2012-4-0340	Stiinta materialelor	MARDARE	DIANA MIHAELA	Universitatea "Alexandru Ioan Cuza" din Iasi	SEMICONDUCTING THIN FILMS OXIDES WITH APPLICATIONS IN ENVIRONMENTAL PROTECTION	75.67
31	PN-II-ID-PCE-2012-4-0152	Stiinta materialelor	Sandu	Titus	National Institute for Research and Development in Microtechnologies-IMT	"Online" procedure for tumours investigation by using core - shell nanostructures	75
32**	PN-II-ID-PCE-2012-4-0501**	Stiinta materialelor	Borcia	Catalin	Universitatea "Alexandru Ioan Cuza" din Iasi	Biocompatibility of polymer fibers modified by plasma processing	74.34**
33**	PN-II-ID-PCE-2012-4-0519**	Stiinta materialelor	Verestiuc	Liliana	UNIVERSITATEA DE MEDICINA SI FARMACIE GRIGORE T POPA IASI	Biofunctional polymer-based nanoparticles as ocular drug delivery vehicles	74**
34**	PN-II-ID-PCE-2012-4-0280**	Stiinta materialelor	Sava	Bogdan Alexandru	National Institute for Lasers, Plasma and Radiation Physics Magurele	New ecological class of doped boro-phosphate vitreous materials, as nano-powders and nano-structured thin films, for optoelectronics	73.67**

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35**	PN-II-ID-PCE-2012-4-0123**	Stiinta materialelor	VLAD	STELIAN	Petru Poni Institute of Macromolecular Chemistry	SKIN SUBSTITUTE BASED ON POLYURETHANE AS TREATMENT FOR BURN WOUNDS	73.33**
36**	PN-II-ID-PCE-2012-4-0314**	Stiinta materialelor	Aldea	Nicolae	National Institute for Research and Development for Isotopic and Molecular Technologies	UNITARY DIMENSIONALITY ANALYSIS FOR METALLIC NANOCLUSTERS WITH CATALYTIC PROPERTIES	73.33**
37**	PN-II-ID-PCE-2012-4-0143**	Stiinta materialelor	Borcia	Gabriela	Universitatea "Alexandru Ioan Cuza" din Iasi	Crosslinking versus functionalization for the stability of polymer surfaces in biological environment	73**
38**	PN-II-ID-PCE-2012-4-0445**	Stiinta materialelor	Dumitrascu	Nicoleta	Universitatea "Alexandru Ioan Cuza" din Iasi	Magnetic micro structured surfaces designed by gas plasma processing for in vitro studies on cells adhesion and motility	72.66**
39**	PN-II-ID-PCE-2012-4-0372**	Stiinta materialelor	Hamciuc	Corneliu	"Petru Poni" Institute of Macromolecular Chemistry, Iasi	Development of high performance materials based on novel polymer structures for advanced applications (optoelectronics, electronics, actuators)	72.33**
40**	PN-II-ID-PCE-2012-4-0050**	Stiinta materialelor	Sima	Marian	National Institute of Materials Physics	Organic/inorganic nanocomposite material for thermoelectric devices	72**
41**	PN-II-ID-PCE-2012-4-0381**	Stiinta materialelor	Marcu	Aurelian	National Institute for Laser Plasma and Radiation Physics	Field Assisted Properties Control of ZnO Nanostructure Grown with Liquid Catalyst	72**
42**	PN-II-ID-PCE-2012-4-0396**	Stiinta materialelor	Popescu	Mihai	National Institute for Materials Physics	Light activated chemical sensors based on complex Langmuir-Blodgett films.	72**
43**	PN-II-ID-PCE-2012-4-0347**	Stiinta materialelor	Lorinczi	Adam	National Institute of Materials Physics	Metal photodiffusion in chalcogenide films for high-resolution photoresist applications	71**
44**	PN-II-ID-PCE-2012-4-0611**	Stiinta materialelor	CIANGA	IOAN	"Petru Poni" Institute of Macromolecular Chemistry	Advanced Materials Can Successfully Work in Healthcare: Fluorescent Conjugated Polymers Nanoparticles for Diagnosis and Therapy	71**
45**	PN-II-ID-PCE-2012-4-0349**	Stiinta materialelor	Munteanu	Daniel	Transilvania University	Developing of new tribological DLC coating systems with enhanced corrosion resistance	70.34**
46**	PN-II-ID-PCE-2012-4-0675**	Stiinta materialelor	Spataru	Tanta	Institute of Physical Chemistry Ilie Murgulescu	Electrochemical and template methods for molecular-level assembling nanostructured oxides	70.34**
47**	PN-II-ID-PCE-2012-4-0343**	Stiinta materialelor	PETRONELA	NECHITA	PULP AND PAPER RESEARCH AND DEVELOPMENT INSTITUTE - CEPROHART SA	Development of new BIO-active PAPER based materials and fibre products for packaging and hygiene applications - BIOPAPER	70**
48**	PN-II-ID-PCE-2012-4-0623**	Stiinta materialelor	Creanga	Dorina-Emilia	University Alexandru Ioan Cuza in Iasi	Engineered particles nanotoxicity on soil biota: from Pseudomonas bacteria to Eisenia annelid and Hordeum plant roots	69**
49**	PN-II-ID-PCE-2012-4-0680**	Stiinta materialelor	SARBU	CORNELIU	National Institute of Research and Development for Materials Physics	Nanostructure and composition of LTCSS generated surface features in the stainless metallic alloys in view of a novel surface processing concept	69**
50**	PN-II-ID-PCE-2012-4-0148**	Stiinta materialelor	mocanu	aurora	Babes-Bolyai University of Cluj-Napoca	The development of high performance composites made of nanostructured phosphates and polymers. Acronym NANOHIP	68.34**
51**	PN-II-ID-PCE-2012-4-0338**	Stiinta materialelor	Gaina	Constantin	Petru Poni Institute of Macromolecular Chemistry	Smart healable polyurethane networks	67.33**

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52**	PN-II-ID-PCE-2012-4-0193**	Stiinta materialelor	Panaitecu	Denis Michaela	National Institute of Research and Development in Chemistry and Petrochemistry	Designing new modifiers based on cellulose nanofibers for high-tech polymer composites	67**
53**	PN-II-ID-PCE-2012-4-0202**	Stiinta materialelor	Gligor	Delia Maria	Babes-Bolyai university	New adsorbents-based platforms for electrochemical sensing	66.34**
54**	PN-II-ID-PCE-2012-4-0122**	Stiinta materialelor	Macocinschi	Doina	Petru Poni Institute of Macromolecular Chemistry	Involvement of biopolyurethanes in cellular metabolism and realization of cell compatibility	66**
55**	PN-II-ID-PCE-2012-4-0305**	Stiinta materialelor	Aldica	Gheorghe Virgil	National Institute of Materials Physics	Electro-active polymer composites for energy harvesting	66**
56**	PN-II-ID-PCE-2012-4-0226**	Stiinta materialelor	Leontie	Liviu	UNIVERSITATEA ALEXANDRU IOAN CUZA DIN IASI	Lamellar III-VI nanostructures for environmental metrology and protection	65.34**
57**	PN-II-ID-PCE-2012-4-0110**	Stiinta materialelor	Amarande	Luminita	National Institute of Materials Physics	Investigation of multiferroic properties of doped lead titanate nanopowders	65**
58**	PN-II-ID-PCE-2012-4-0479**	Stiinta materialelor	Stamate	Marius	VASILE ALECSANDRI UNIVERSITY OF BACAU	Enhancing the electrical, optical and photocatalytical properties of graphene-TiO2 nanostructured films	64.67**
59	PN-II-ID-PCE-2012-4-0091**	Stiinta materialelor	Pavel	Eugen	"Politehnica" University of Bucharest	Optical lithography with atomic resolution	64.33**
60**	PN-II-ID-PCE-2012-4-0518**	Stiinta materialelor	TIGAU	NICOLAE	DUNAREA DE JOS UNIVERSITY OF GALATI	BISMUTH, ANTIMONY AND TIN OXIDE-BASED HETEROSTRUCTURES FOR OPTOELECTRONIC APPLICATIONS	63.33**
61**	PN-II-ID-PCE-2012-4-0526**	Stiinta materialelor	TETEAN VINTELER	ROMULUS	Babes-Bolyai University	Physical properties and magnetocaloric effect on rare-earths based nanostructured double layered perovskites	63**
62**	PN-II-ID-PCE-2012-4-0404**	Stiinta materialelor	NISTOR	CRISTINA LAVINIA	National Research & Development Institute for Chemistry and Petrochemistry ICECHIM	Self-healing agents containers for smart coatings, based on microscale mesoporous silica particles	62.66**
63**	PN-II-ID-PCE-2012-4-0257**	Stiinta materialelor	Pascuta	Petru	Tehnicla University of Cluj Napoca	NEW GLASS CERAMICS SYNTHESIS FOR MAGNETIC HYPERTHERMIA	62**
64**	PN-II-ID-PCE-2012-4-0465**	Stiinta materialelor	Stelescu	Maria Daniela	National Research and Development Institute for Textiles and Leather - Division Leather and Footwear Research Institute	"Green" Elasto-Plastic Nanocomposites based on EPDM Elastomer/Polyethylene/Organomodified Clay/Natural Fibres - New Materials with Advanced Properties	62**
65**	PN-II-ID-PCE-2012-4-0661**	Stiinta materialelor	Geta	Carac	Dunarea de Jos University of Galati	New Protic Ionics Liquids Based on Pyrrolidinium and Imidazolium Cations as Protein Crystallization Additives	61**
66**	PN-II-ID-PCE-2012-4-0200**	Stiinta materialelor	Bulacu	Monica	Politehnica University of Bucharest	In silico design of smart materials	60.67**
67**	PN-II-ID-PCE-2012-4-0026**	Stiinta materialelor	Sandu	Ion	National Institute for Research and Development for Lasers, Plasma, and Radiation Physic	Polymer/nanoparticle based films for toxic gas detection	59**
68**	PN-II-ID-PCE-2012-4-0030**	Stiinta materialelor	Todica	Mihai	University Babes-Bolyai, Faculty of Physics	Polymeric membranes for electric fuel cells	53.67**

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69**	PN-II-ID-PCE-2012-4-0185**	Stiinta materialelor	Melita	Larisa	Universitatea Tehnica de Constructii Bucuresti	New activated hybrid polymeric membranes used in surface- and wastewaters treatment for removal and recovery of heavy metals.	51**
70**	PN-II-ID-PCE-2012-4-0055**	Stiinta materialelor	Filip	Ilie	Polytechnic University of Bucharest	RESEARCH AT NANOSCALE OF LAYERS PERFORMANCE TRIBOLOGY OBTAINED ROUTE MECHANICO-PHYSICO-CHEMICAL IN FRICTION COUPLES OF PHYSICO-MECHANICAL SYSTEMS	42.33**

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