

**Program Resurse Umane\_Proiecte de Cercetare Postdoctorala**  
**Rezultate finale\_Stiinta materialelor**

Nr. Crt.	Cod	Domeniu	Nume	Prenume	Institutie	Titlu	Punctaj final
1	PN-II-RU-PD-2012-3-0377	Stiinta materialelor	Blanita	Gabriela	National Institute for Research and Development of Isotopic and Molecular Technologies Cluj-Napoca	NaH3 nanoconfinement in porous structures for hydrogen storage	91.16
2	PN-II-RU-PD-2012-3-0270	Stiinta materialelor	Cristian	Tudoran	National Institute for Research and Development of Molecular and Isotopic Technologies	High frequency cold plasmas for biodiesel production and surface engineering applications	90
3	PN-II-RU-PD-2012-3-0117	Stiinta materialelor	Matei	Elena	National Institute of Materials Physics	High control of pure and doped ZnO nanostructures properties through complex/multistep electrodeposition processes	89.67
4	PN-II-RU-PD-2012-3-0090	Stiinta materialelor	Tudose	Madalina	Institute of Physical Chemistry 'Ilie Murgulescu'	Silver nanoparticles- the effect of chemical surface modification on their chemical and biological reactivity	89
5	PN-II-RU-PD-2012-3-0102	Stiinta materialelor	Pop	Oana-Raluca	National Institute for Research and Development in Electrochemistry and Condensed Matter, Timisoara	Fullerenes and their precursors as building blocks for nanomaterials	88.5
6	PN-II-RU-PD-2012-3-0295	Stiinta materialelor	Neatu	Florentina	National Institute of Research & Development of Material Physics	Heterogeneous nanocatalysts with application in tandem Sonogashira/lactonisation reaction	88.5
7	PN-II-RU-PD-2012-3-0305	Stiinta materialelor	Crisan	Alina Daniela	National Institute for Materials Physics	Novel FePt(Pd) nanocomposite magnets for high temperature / corrosive media applications	88
8	PN-II-RU-PD-2012-3-0357	Stiinta materialelor	Maria	Ignat	Petru Poni Institute of Macromolecular Chemistry	POLYMER COATED ORDERED MESOPOROUS CARBONS WITH MULTIFUNCTIONAL PROPERTIES	87.5
9	PN-II-RU-PD-2012-3-0346	Stiinta materialelor	Dorcioman	Corina Gabriela	National Institute for Lasers, Plasma and Physics Radiation	Comprehensive study of the effects induced to thin films of transition metal nitrides and carbonitrides by ion irradiation	86.67
10	PN-II-RU-PD-2012-3-0124	Stiinta materialelor	Pruna	Alina	University of Bucharest	Synthesis and characterization of carbon-based nanoarchitected composites for energy storage applications	85.5
11	PN-II-RU-PD-2012-3-0051	Stiinta materialelor	Negrila	Constantin-Catalin	Institutul National de Cercetare Dezvoltare pentru Fizica Materialelor (National Institute of Materials Physics)	Improving of some in situ techniques for the obtaining of metal/GaAs structures with applications in X-Ray detection	85.16
12	PN-II-RU-PD-2012-3-0320	Stiinta materialelor	Velea	Alin	National Institute of Materials Physics	Investigation of phase change in stacked chalcogenide thin films for multistate memory cells	83.5
13	PN-II-RU-PD-2012-3-0527	Stiinta materialelor	Bragaru	Adina	National Institute for Research and Development in Microtechnologies	Nanocomposite architectures for electrochemistry	83.5
14	PN-II-RU-PD-2012-3-0350	Stiinta materialelor	Ursu	Cristian	"Petru Poni" Institute of Macromolecular Chemistry	An alternative route for graphene film deposition	83.34
15	PN-II-RU-PD-2012-3-0150	Stiinta materialelor	Dorneanu	Petronela	Petru Poni Institute of Macromolecular Chemistry	Polymer nanowires incorporating inorganic nanoparticles for electronic and optoelectronic devices	82.5

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16	PN-II-RU-PD-2012-3-0040	Stiinta materialelor	Atkinson	Irina	Ilie Murgulescu Institute of Physical Chemistry of the Romanian Academy	Nanostructured bioactive glass based scaffolds for bone tissue engineering	81.5
17	PN-II-RU-PD-2012-3-0544	Stiinta materialelor	Balan	Adriana-Elena	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU FIZICA MATERIALELOR-INCDFM BUCURESTI	High ion conductive composite materials for electrochemical energy convertors	81.5
18	PN-II-RU-PD-2012-3-0375	Stiinta materialelor	VASILACHE	VIOLETA	Alexandru Ioan Cuza University of Iasi	Design, synthesis and characterization of new organic/inorganic hybrid bionanomaterials.	81
19	PN-II-RU-PD-2012-3-0195	Stiinta materialelor	Florea	Nicoleta Mihaela	Technical University „Gheorghe Asachi” of Iasi	New High Performance Heat Resistant Interpenetrating Polymer Networks	80.84
20	PN-II-RU-PD-2012-3-0006	Stiinta materialelor	Mandes	Aurelia	Ovidius University Constanta (OUC)	Growth and characterization of tantalum pentoxide and carbon thin films for high quality advanced materials deposited by Thermionic Vacuum Arc method	80.83
21	PN-II-RU-PD-2012-3-0313	Stiinta materialelor	Florioan	Laura	Transilvania University of Brasov	New nanostructured glass-polymer thin films with antimicrobial properties deposited on stainless steel implant by advanced laser technology	80.83
22	PN-II-RU-PD-2012-3-0213	Stiinta materialelor	LAZAU	CARMEN	National Institute for Research and Development in Electrochemistry and Condensed Matter Timisoara	Development of a immunosensor based on nano-gold deposited TiO2 films for the determination of Aflatoxin B1	80
23	PN-II-RU-PD-2012-3-0338	Stiinta materialelor	DOROFTEI	CORNELIU	National Institute of Research and Development for Technical Physics	Studies concerning the increase of performances, especially of selectivity of gas and vapor sensors based on porous perovskites.	80
24	PN-II-RU-PD-2012-3-0428	Stiinta materialelor	Colceag	Dan	National Institute for Laser, Plasma & Radiation Physics	Thin films with enhanced thermoelectric properties prepared by laser techniques	80
25	PN-II-RU-PD-2012-3-0260	Stiinta materialelor	Hrib	Luminita Mirela	National Institute of Materials Physics	Photovoltaic ferroelectric oxide materials based on PZT	79.84
26	PN-II-RU-PD-2012-3-0036	Stiinta materialelor	Cotirlan-Simioniuc	Costel	National Institute of Research&Development for Materials Physics	Modified surfaces for sensor used in resonant analysis techniques	79.34
27	PN-II-RU-PD-2012-3-0563	Stiinta materialelor	Marinescu	Cornelia Alina	"Ilie Murgulescu Institute of Physical Chemistry of the Romanian Academy"	Obtaining and characterization of new hydroxyapatite- based smart biocomposite nanomaterials with biomedical applications	79.17
28	PN-II-RU-PD-2012-3-0079	Stiinta materialelor	Buciumeanu	Mihaela	"Dunarea de Jos" University of Galati	Influence of an additional stress state on reciprocating wear behaviour of light alloys	79
29	PN-II-RU-PD-2012-3-0088	Stiinta materialelor	Ramona - Crina	Suciu	National Institute for Research and Development of Isotopic and Molecular Technologies INCDTIM Cluj-Napoca	Advanced chemical methods for obtaining oxidic photocatalytic systems for biomedical applications	78
30	PN-II-RU-PD-2012-3-0231	Stiinta materialelor	TOMOIAGA	ALINA MARIA	"Alexandru Ioan Cuza" University of Iasi	Hierarchical Structures as a platform for multidrug-combined therapy	77.5

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31	PN-II-RU-PD-2012-3-0204	Stiinta materialelor	Constantin	Floriana	Institutul National de Cercetare-Dezvoltare pentru Chimie si Petrochimie	Polyhedral oligomeric silsesquioxanes (POSS)/TiO2 used as UV filters	77.33
32	PN-II-RU-PD-2012-3-0215	Stiinta materialelor	Sfirloaga	Paula	National Institute for Research and Development in Electrochemistry and Condensed Matter Timisoara	Development of new advanced hybrid materials used in water disinfection	77
33	PN-II-RU-PD-2012-3-0309	Stiinta materialelor	Betianu	Simona	"Grigore T.Popa" University of Medicine and Pharmacy of Iasi	Hybrid interpenetrated network based on modified collagen and synthetic polymers for skin tissue regeneration	76.5
34	PN-II-RU-PD-2012-3-0534	Stiinta materialelor	Iordache	Stefan-Marian	The National Institute for Laser, Plasma & Radiation Physics	Graphene-based sensors for odor assessment	76.5
35	PN-II-RU-PD-2012-3-0071	Stiinta materialelor	Stan	Cristina	Ilie Murgulescu Institute of Physical Chemistry of the Romanian Academy	New energetic materials for hydrogen storage obtained by sol-gel procedure	76
36	PN-II-RU-PD-2012-3-0096	Stiinta materialelor	Coserea	Ramona Marina	The National Institute for Research and Development in Chemistry and Petrochemistry	Electro-conductive nanocomposites based on SEBS and exfoliated graphite nanoplates with enhanced mechanical properties	76
37	PN-II-RU-PD-2012-3-0654	Stiinta materialelor	STEFAN	Nicolaie	National Institute for Lasers, Plasma and Radiation Physics(INFLPR)	Conductive oxide thin films for transparent electronics	75.83
38	PN-II-RU-PD-2012-3-0092	Stiinta materialelor	Holban	Mihaela Nicoleta	Institute of Macromolecular Chemistry "Petru Poni" Iasi	Entrapment of Polymeric Nanoparticles into Microspheres for Controlled Drug Release	75.5
39	PN-II-RU-PD-2012-3-0634	Stiinta materialelor	Tosa	Nicoleta-Ioana	National Institute for Research and Development of Isotopic and Molecular Technologies	"Laser-assisted synthesis of new microstructured materials and applications"	75.5
40	PN-II-RU-PD-2012-3-0454	Stiinta materialelor	COJOCARU	ANCA	University of Bucharest, Faculty of Physics	Electrode processes in ionic liquids with application in energy storage electrochemical systems	75
41	PN-II-RU-PD-2012-3-0169	Stiinta materialelor	Frone	Adriana Nicoleta	National Institute of Research and Development in Chemistry and Petrochemistry	Development of advanced eco-friendly polymer composites based on cellulose nanofibers	74
42	PN-II-RU-PD-2012-3-0310	Stiinta materialelor	Simona-Florentina	Pop	National Institute of Research and Development for Chemistry and Petrochemistry	COLUMNAR SELF-ASSEMBLED PORPHYRINS/PHTHALOCYANINES FOR ELECTRON AND ENERGY TRANSFER PROCESSES	73
43	PN-II-RU-PD-2012-3-0420	Stiinta materialelor	Prodan	Gabriel	Ovidius University of Constanta	Integrated system for polycrystalline materials characterization using electron diffraction	73
44	PN-II-RU-PD-2012-3-0577	Stiinta materialelor	Ignat	Teodora	National Institute for Research and Development in Microtechnologies	Development of new versatile hybrid substrates for optical detection	73
45	PN-II-RU-PD-2012-3-0343	Stiinta materialelor	Ursachi	Irina	"Gheorghe Asachi" Technical University of Iasi	Experimental researches on the magnetic properties of ferromagnetic nanoparticles stabilized in porous matrices	72.51

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46	PN-II-RU-PD-2012-3-0294	Stiinta materialelor	Craciunescu	Izabell	National Institute for Research and Development of Isotopic and Molecular Technologies	Responsive polymeric micro/nanostructures for drug delivery applications	72.5
47	PN-II-RU-PD-2012-3-0324	Stiinta materialelor	Simion	Cristian Eugen	National Institute of Materials Physics	Extensive study of gas-sensitive properties of nanostructured WO3	72.5
48	PN-II-RU-PD-2012-3-0518	Stiinta materialelor	Tolea	Felicia	National Institute of Materials Physics	New FSMAs prepared by melt spinning technique	72.5
49	PN-II-RU-PD-2012-3-0361	Stiinta materialelor	Saponar	Alina	Technical University of Cluj-Napoca	NEW COMPOSITE MATERIALS BASED ON CALIXARENE. OBTAINING AND COMPLEX CHARACTERIZATION	72.17
50*	PN-II-RU-PD-2012-3-0650*	Stiinta materialelor	Miroiu	Floralice Marimona	National Institute for Lasers, Plasma and Radiation Physics	Silk fibroin thin films produced by Matrix Assisted Pulsed Laser Evaporation for drug delivery	71*
51	PN-II-RU-PD-2012-3-0448	Stiinta materialelor	DICU	MARIA MAGDALENA	University of Pitesti	Preparation and properties of ceramic coatings formed by micro-arc oxidation on magnesium alloy for automobile applications	69.5
52	PN-II-RU-PD-2012-3-0054	Stiinta materialelor	Jepu	Ionut	National Institute for Laser, Plasma and Radiation Physics	Magnetic structures obtained by Thermionic Vacuum Arc (TVA) method	69.33
53	PN-II-RU-PD-2012-3-0424	Stiinta materialelor	Coros	Maria	National Institute for Research and Development of Isotopic and Molecular Technologies	New high surface area metal-organic frameworks for hydrogen storage by cryoadsorption	69.33
54*	PN-II-RU-PD-2012-3-0651*	Stiinta materialelor	Iordache	Daniela	National Institute for Lasers, Plasma and Radiation Physics	Noble metal nanoparticles synthesis in water phase, microwave - assisted batch system	68.5*
55	PN-II-RU-PD-2012-3-0081	Stiinta materialelor	CRISTINA-DELIA	NECHIFOR	Gheorge Asachi Technical University from Iasi	Surface Modification and Molecularly Imprint of Polymers to Obtain Drug Delivery Systems Using Matrix Assisted Pulsed-Laser Evaporation Method	68
56	PN-II-RU-PD-2012-3-0094	Stiinta materialelor	Rosu	Marcela-Corina	National Institute for Research and Development of Isotopic and Molecular Technologies (INCDTIM), Cluj-Napoca	Hybrid nanomaterials based on natural polymers as functional matrices for anti-inflammatory drugs embedding	68
57	PN-II-RU-PD-2012-3-0551	Stiinta materialelor	DIMA	Stefan-Ovidiu	The National Institute for Research and Development in Chemistry and Petrochemistry ICECHIM Bucharest	PERFORMANT CHIRAL SEPARATION FOR ACTIVE PHARMACEUTICAL INGREDIENTS PURIFICATION USING HIGHLY SELECTIVE MOLECULARLY IMPRINTED POLYMERS	68
58*	PN-II-RU-PD-2012-3-0540*	Stiinta materialelor	Simion	Monica	The National Institute for Research and Development in Microtechnologies - IMT Bucharest	Biosensor based on EC-SPR dual detection for real time DNA hybridization monitoring	67.5*
59	PN-II-RU-PD-2012-3-0131	Stiinta materialelor	Udrescu	Luciana Gabriela	Technical University Cluj Napoca	PVA doped membranes for medical use	66.5
60	PN-II-RU-PD-2012-3-0098	Stiinta materialelor	Anca Niculina	Cadinoiu	"Petru Poni" Institute of Macromolecular Chemistry, Iasi	Liposomes in polymeric microparticles as drug delivery systems	65.5

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61**	PN-II-RU-PD-2012-3-0523**	Stiinta materialelor	Chelaru	Julieta Daniela	Babes-Bolyai University	Complex methods against degradation of bronze art cast works	64.33**
62**	PN-II-RU-PD-2012-3-0007**	Stiinta materialelor	Dinca	Virginia	Ovidius University Of Constanta	Advanced Nanostructured Thin Films of Ti/Ni Carbides Growth by Thermionic Vacuum Arc Technology for Tribological Applications	64.17**
63**	PN-II-RU-PD-2012-3-0219**	Stiinta materialelor	Buda	Cozmin Toma	Alexandru Ioan Cuza University	Studii teoretice si experimentale cu privire la modificarea chimica a caracteristicilor firelor textile adezive	63.33**
64**	PN-II-RU-PD-2012-3-0118**	Stiinta materialelor	Pop	Viorel-Cornel	Technical University Cluj-Napoca	Spectroscopical and electrical investigation of PAA membranes doped with carbon nanotubes	62.5**
65**	PN-II-RU-PD-2012-3-0287**	Stiinta materialelor	CIMPOEȘU	Ramona	The Alexandru Ioan Cuza University of Iași	OBTAINING AND CHARACTERIZATION OF POLYMER -METAL COMPOZITE BY PULSED LASER DEPOSITION TECHNIQUE	62.5**
66**	PN-II-RU-PD-2012-3-0362**	Stiinta materialelor	Nastac	Daniela	"Ilie Murgulescu" Institute of Physical Chemistry of the Romanian Academy	Characterisation of crystalline phases and study of nanocrystallinity in cementitious materials using structural refinement techniques (CHANCE)	62.34**
67**	PN-II-RU-PD-2012-3-0163**	Stiinta materialelor	State	Razvan Nicolae	Institutul de Cercetare Dezvoltare pentru Electrochimie si Materie Condensata Timisoara	Nanostructured materials for design of new sensors with biomedical applications.	62**
68**	PN-II-RU-PD-2012-3-0285**	Stiinta materialelor	Visotchi	Anca	Alexandru Ioan Cuza University	The improvement of the properties of some nanostructured biomaterials used in dental restoration using laser and plasma methods.	61.83**
69**	PN-II-RU-PD-2012-3-0537**	Stiinta materialelor	CONDURACHE-BOTA	SIMONA	DUNAREA DE JOS UNIVERSITY OF GALATI, ROMANIA	BISMUTH OXIDE FILMS FOR OPTOELECTRONIC APPLICATIONS	61.5**
70**	PN-II-RU-PD-2012-3-0024**	Stiinta materialelor	Bolat	Georgiana	"Alexandru Ioan Cuza" University of Iasi	New zirconium-based materials with potential medical applications	61**
71**	PN-II-RU-PD-2012-3-0284**	Stiinta materialelor	Costan	Alina	Alexandru Ioan Cuza University	Advanced studies on the characterization and improvement of some titanium alloys surfaces used in the oral implantology.	59.99**
72**	PN-II-RU-PD-2012-3-0492**	Stiinta materialelor	Gutoiu	Maria Simona	National Institute for Research and Development of Isotopic and Molecular Technologies	Hard/soft type magnetic nanoparticles with core/shell structure	59.67**
73**	PN-II-RU-PD-2012-3-0029**	Stiinta materialelor	Husanu	Elena	University POLITEHNICA of Bucharest	Studies regarding the structural memory effect of LDHs-type anionic clays	57.5**
74**	PN-II-RU-PD-2012-3-0322**	Stiinta materialelor	Platon	Nicoleta	Vasile Alecsandri University of Bacau	Hybrid materials based on inorganic nanostructures functionalized with organic structures	53.67**
75**	PN-II-RU-PD-2012-3-0455**	Stiinta materialelor	Brasoveanu	Mariana Mirela	National Institute for Lasers, Plasma and Radiation Physic - Bucharest	Evolution of Mass Distribution for Irradiated Amylose with Electron Beam and Microwaves	53.16**

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76**	PN-II-RU-PD-2012-3-0607**	Stiinta materialelor	MARIN	MARIANA	Institute of Physical Chemistry ILIE MURGULESCU, Romanian Academy	Modified electrodes as suitable tools for electrochemical detection of some bioantioxidants.	52**

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