

Program Resurse Umane_Proiecte de Cercetare pentru Stimularea constituirii de tinere echipe de cercetare independente
Rezultate finale_Stiinta materialelor

Nr. Cr.	Cod	Domeniu	Nume	Prenume	Institutie	Titlu	Puntaj final
1	PN-II-RU-TE-2012-3-0478	Stiinta materialelor	Ionita	Mariana	University Politehnica of Bucharest	Multi-scale computational approach and experiments towards knowledge-based design of polymer-graphene membrane materials for selective gas separation	93.67
2	PN-II-RU-TE-2012-3-0379	Stiinta materialelor	Popescu	Andrei	National Institute for Lasers, Plasma and Radiation Physics	Hard and adherent carbon thin films synthesized by pulsed laser deposition for wear protection of metallurgical cutting and drilling tools	90.66
3	PN-II-RU-TE-2012-3-0202	Stiinta materialelor	Suchea	Mirela Petruta	Universitatea "Alexandru Ioan Cuza" din Iasi	Photocatalytic active nanostructured coatings on fabric substrates for applications in air purification systems	90
4	PN-II-RU-TE-2012-3-0198	Stiinta materialelor	Lupa	Lavinia	University Politehnica Timisoara	New approach of using ionic liquids (ILs) as "green extractants" in the adsorption process of radionuclides from waste aqueous solutions	89.83
5	PN-II-RU-TE-2012-3-0467	Stiinta materialelor	Scarisoareanu	Nicu Doinei	National Institute for Laser, Plasma & Radiation Physics (INFLPR)	Lead-free thin film of (Ba _{1-x} Cax)(Ti _{1-y} Zry)O ₃ system with large piezoelectric properties for microelectronics.	88.83
6	PN-II-RU-TE-2012-3-0148	Stiinta materialelor	Preda	Nicoleta	National Institute of Materials Physics	Surface wettability control using self-assembled nanostructures	88.5
7	PN-II-RU-TE-2012-3-0360	Stiinta materialelor	Muresan	Laura	Babes Bolyai University	NANOPHOSPHORS BASED ON YTTRIUM SILICATE FOR OPTOELECTRONICS	88.5
8	PN-II-RU-TE-2012-3-0403	Stiinta materialelor	Ungureanu	Adrian	Gheorghe Asachi Technical University of Iasi	Nanosized Metallic Catalysts Prepared in Controlled Local Environments of Mesostructured Hosts for Fine Chemical Syntheses (NanoMesoChem)	88.5
9	PN-II-RU-TE-2012-3-0177	Stiinta materialelor	VISA	Maria	Transilvania University of Brasov	New adsorbents of zeolite type obtained from waste fly ash collected from Romanian Combined Heat and Power Plants	86.33
10	PN-II-RU-TE-2012-3-0067	Stiinta materialelor	Peptu	Catalina Anisoara	Gheorghe Asachi Technical University of Iasi	DOUBLE CROSSLINKED NANOPARTICLES BASED ON POLYSACCHARIDES FOR PASSIVE AND ACTIVE TARGETING OF MALIGN TUMORS	86
11	PN-II-RU-TE-2012-3-0113	Stiinta materialelor	Mihai	Marcela	"Petru Poni" Institute of Macromolecular Chemistry	Development of novel controlled drug delivery systems based on pH responsive polyelectrolyte complexes	86
12	PN-II-RU-TE-2012-3-0180	Stiinta materialelor	Alexandru	Enesca	Transilvania University of Brasov	Oxide tandem nano-structures with advanced interface control for opto-electric applications	85.5
13	PN-II-RU-TE-2012-3-0083	Stiinta materialelor	Radu	Teodora	Babes Bolyai University	New glasses and glass ceramic biomaterials doped with Cu for increasing freezing efficiency in soft and hard tissues in cryosurgery	83.5
14	PN-II-RU-TE-2012-3-0030	Stiinta materialelor	Atanase	Leonard Ionut	Universitatea Tehnica "Gheorghe Asachi"	Two-phase biocompatible polymeric systems for controlled drug delivery: drug-loaded nanoparticles obtained from non-aqueous emulsions	83
15	PN-II-RU-TE-2012-3-0121	Stiinta materialelor	Osiac	Mariana	University of Craiova	Plasma plume dynamics and crystallization properties of doped GeSb ₂ Te ₄ materials obtained by pulsed laser deposition.	82.67

* Conform Pachetului de Informatii proiectele care au obtinut mai putin de 30 puncte pe cel putin unul din criteriile principale de evaluare (Principal Investigator, respectiv Proposal) sunt nefinantabile.

**Conform Pachetului de Informatii proiectele cu punctaje mai mici de 75 puncte sunt nefinantabile.

Program Resurse Umane_Proiecte de Cercetare pentru Stimularea constituirii de tinere echipe de cercetare independente
Rezultate finale_Stiinta materialelor

Nr. Crt.	Cod	Domeniu	Nume	Prenume	Institutie	Titlu	Puntaj final
16	PN-II-RU-TE-2012-3-0301	Stiinta materialelor	Focsan	Monica	Babes-Bolyai University	Merging plasmonics and microfluidics for rapid, sensitive, and reliable identification of relevant biomarkers	82
17	PN-II-RU-TE-2012-3-0395	Stiinta materialelor	Dudita	Mihaela	Transilvania University of Brasov	Multi-layered systems based on black and colored thin films of NiOx, TiO2 and SiO2 for urban area integrated solar collectors	82
18	PN-II-RU-TE-2012-3-0251	Stiinta materialelor	Lungu	Adriana	University Politehnica of Bucharest	New developments in thiol containing polymers for high performance dental materials	81.5
19	PN-II-RU-TE-2012-3-0179	Stiinta materialelor	ANDRONIC	LUMINITA CAMELIA	TRANSILVANIA UNIVERSITY OF BRASOV-ROMANIA	"Multifunctional nano-hybrid oxide materials with self-cleaning, photocatalytic and anti-reflective properties"	81
20	PN-II-RU-TE-2012-3-0342	Stiinta materialelor	Simona	RADA	Technical University of Cluj-Napoca	Experimental investigations and molecular modeling simulations on the ionic conducting unconventional glasses with applications in optoelectronics	79.5
21*	PN-II-RU-TE-2012-3-0243*	Stiinta materialelor	Ficai	Anton	Politehnica University of Bucharest	Smart delivery systems	79.34*
22	PN-II-RU-TE-2012-3-0244	Stiinta materialelor	Rednic	Vasile	National Institute for Research and Development for Isotopic and Molecular Technologies	Correlation of catalytic activity with global, local and electronic structure of supported bimetallic catalysts	78.5
23	PN-II-RU-TE-2012-3-0374	Stiinta materialelor	Toma	Octavian	Institutul National de Cercetare-Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Partially disordered garnets - possible efficient active media for ultrafast laser generation in the eye-safe spectral range	78.5
24*	PN-II-RU-TE-2012-3-0484*	Stiinta materialelor	Gheorghe	Cristina	National Institute for Laser, Plasma and Radiation Physics	New ceramic laser materials with efficient emission in the visible spectral range	78*
25	PN-II-RU-TE-2012-3-0133	Stiinta materialelor	Ciolacu	Diana Elena	PETRU PONI Institute of Macromolecular Chemistry	NEW MULTIFUNCTIONAL MATERIALS BASED ON NANOCELLULOSES AND HYDROPHILIC/HYDROPHOBIC MATRICES WITH APPLICATIONS IN MEDICAL AND PACKAGING FIELDS	77.5
26*	PN-II-RU-TE-2012-3-0362*	Stiinta materialelor	Pavelescu	Emil Mihai	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU MICROTEHNOLOGIE IMT BUCURESTI	Novel III-N-Bi semiconductor compounds for high efficiency solar cells	77*
27*	PN-II-RU-TE-2012-3-0154*	Stiinta materialelor	LAZEA	Ileana-Andrada	National Institute for Lasers, Plasma and Radiation Physics	Diamond synthesis using RF plasma at elevated pressures	76.84*
28	PN-II-RU-TE-2012-3-0146	Stiinta materialelor	Fleaca	Claudiu Teodor	National Institute for Lasers Plasma and Radiation Physics	Hybrid nanostructured micromembrane suspensions	76.5
29	PN-II-RU-TE-2012-3-0325	Stiinta materialelor	Epurescu	George	National Institute for Lasers, Plasma and Radiation Physics	Growth of doped MgZnO thin films alloys with controlled properties	76.5
30	PN-II-RU-TE-2012-3-0125	Stiinta materialelor	Bizo	Liliana	Babes-Bolyai University	Novel transparent conducting oxides (TCOs) with M7O12 oxygen-deficient fluorite-type structure: synthesis, structural and physical properties.	75.5

* Conform Pachetului de Informatii proiectele care au obtinut mai putin de 30 puncte pe cel puțin unul din criteriile principale de evaluare (Principal Investigator, respectiv Proposal) sunt nefinantabile.

**Conform Pachetului de Informatii proiectele cu punctaje mai mici de 75 puncte sunt nefinantabile.

Program Resurse Umane_Proiecte de Cercetare pentru Stimularea constituirii de tinere echipe de cercetare independente
Rezultate finale_Stiinta materialelor

Nr. Crt.	Cod	Domeniu	Nume	Prenume	Institutie	Titlu	Puntaj final
31	PN-II-RU-TE-2012-3-0416	Stiinta materialelor	Somacescu	Simona	"Ilie Murgulescu" Institute of Physical Chemistry, Romanian Academy	New SOFCs anodes based on self-assembled nanostructures : structural, morphological and surface chemistry investigations	75.5
32	PN-II-RU-TE-2012-3-0236	Stiinta materialelor	Miclau	Marinela	INSTITUTUL NATIONAL DE C-D PENTRU ELECTROCHIMIE SI MATERIE CONDENSATA	Hydrothermal synthesis of doped delafossite transparent conductive oxides	75
33**	PN-II-RU-TE-2012-3-0290**	Stiinta materialelor	Popescu	Simona	Universitatea Politehnica Bucuresti	Dopamine-assisted immobilization of novel nanostructured polymers in controlling the cell-surface interactions	74.66**
34**	PN-II-RU-TE-2012-3-0115**	Stiinta materialelor	PURCAR	VIOLETA	National Research and Development Institute for Chemistry and Petrochemistry	Synthesis of super-hydrophobic hybrid films by sol-gel process using hydrophobic modified nano-particles	74.5**
35**	PN-II-RU-TE-2012-3-0165**	Stiinta materialelor	Butnaru	Irina	Petru Poni Institute of Macromolecular Chemistry	High K innovative composite materials based on thermostable polymers for nano-electronic applications	74**
36**	PN-II-RU-TE-2012-3-0337**	Stiinta materialelor	DOROLTI	EUGEN	BABES-BOLYAI UNIVERSITY	Novel Magnetic Materials for Replacement of Rare Earth Magnets	74**
37**	PN-II-RU-TE-2012-3-0368**	Stiinta materialelor	Mesaros	Amalia	Technical University of Cluj-Napoca	Low dimensional multifunctional tantalate structures	74**
38**	PN-II-RU-TE-2012-3-0272**	Stiinta materialelor	Birdeanu	Mihaela Ionela	National Institute for Research and Development in Electrochemistry and Condensed Matter	Novel nano-structured (nano)materials and thin films with anti-corrosive properties	73.83**
39**	PN-II-RU-TE-2012-3-0305**	Stiinta materialelor	Potara	Monica	Babes-Bolyai University	Designing and assessment of noble-metal nanoparticles for theranostic applications	72.5**
40**	PN-II-RU-TE-2012-3-0254**	Stiinta materialelor	Vrinceanu	narcisa	"Al.I.Cuza" University of Iasi	Hybrid biopolymeric supports with controlled surface patterning, with multiple tasks	72**
41**	PN-II-RU-TE-2012-3-0292**	Stiinta materialelor	Violeta-Elena	Copcia	Universitatea "Alexandru Ioan Cuza" din Iasi	Nanocomposites metal oxide/micro-and mesoporous silica and aluminosilicates as antibacterial agents, adsorbants and ion exchange in water treatment	71.17**
42**	PN-II-RU-TE-2012-3-0009**	Stiinta materialelor	Edina	Rusen	University Politehnica Bucharest	Optical biosensors based on photonic crystals	71**
43**	PN-II-RU-TE-2012-3-0231**	Stiinta materialelor	Toloman	Dana	National Institute for Research and Development of Isotopic and Molecular Technologies	Core - shell nanoparticles based on doped CdS, silica and gold for biomedical applications	70**
44**	PN-II-RU-TE-2012-3-0438**	Stiinta materialelor	POPA	MIHAELA	Technical University of Cluj-Napoca	Controlled optical properties of ZnO based systems for solar cell applications (ZOPTSOL)	68.17**
45**	PN-II-RU-TE-2012-3-0452**	Stiinta materialelor	Ponta	Oana	Babes-Bolyai University Interdisciplinary Research Institute on Bio-Nano-Sciences	Organic-inorganic hybrid biomaterials entrapping "green" therapeutic agents	66.83**

* Conform Pachetului de Informatii proiectele care au obtinut mai putin de 30 puncte pe cel putin unul din criteriile principale de evaluare (Principal Investigator, respectiv Proposal) sunt nefinantabile.

**Conform Pachetului de Informatii proiectele cu punctaje mai mici de 75 puncte sunt nefinantabile.

Program Resurse Umane_Proiecte de Cercetare pentru Stimularea constituirii de tinere echipe de cercetare independente
Rezultate finale_Stiinta materialelor

Nr. Crt.	Cod	Domeniu	Nume	Prenume	Institutie	Titlu	Puntaj final
46**	PN-II-RU-TE-2012-3-0032**	Stiinta materialelor	Socoteanu	Greta Mihaela	"Ilie Murgulescu" Institute of Physical Chemistry of the Romanian Academy	Toward nanostructured SnO ₂ -based materials through biotemplating/biomediating approaches	66.5**
47**	PN-II-RU-TE-2012-3-0242**	Stiinta materialelor	Mindroiu	Mihaela	Universitatea Politehnica Bucuresti	Novel three-dimensional (3D) core-shell hybrid nanostructures for dye-sensitized solar cells application	66.5**
48**	PN-II-RU-TE-2012-3-0310**	Stiinta materialelor	Raschip	Irina Elena	Petru Poni Institute of Macromolecular Chemistry	New bio-hybrid nanomaterials used in medicine and food industry	66**
49**	PN-II-RU-TE-2012-3-0381**	Stiinta materialelor	Sirbu	Florinela	Ilie Murgulescu Institute of Physical Chemistry	Thermodynamic characterization of eutectic based ionic liquids with application as potential environmentally friendly electrolytes	65.34**
50**	PN-II-RU-TE-2012-3-0096**	Stiinta materialelor	Preoana	Luminita	Ilie Murgulescu Institute of Physical Chemistry, Romanian Academy	Environmental-friendly aqueous sol-gel synthesis of complex metallic oxides	64.5**
51**	PN-II-RU-TE-2012-3-0245**	Stiinta materialelor	Sorin Daniel	Marconi	Institutul National de Cercetare Dezvoltare pentru Tehnologii Izotopice si Moleculare, Cluj Napoca	Effect of Zn and Gd doping on transport and magnetic properties in Bi ₂ 212 superconducting thin films	64.5**
52**	PN-II-RU-TE-2012-3-0410**	Stiinta materialelor	Aflori	Magdalena	Petru Poni Institute of Macromolecular Chemistry	Biocompatible and antimicrobial polymeric materials: obtaining, characterization and applications	62**
53**	PN-II-RU-TE-2012-3-0116**	Stiinta materialelor	Angheluta	Anamaria	Petru Poni Institute of Macromolecular Chemistry	Magnetic nanoparticles coupled with bioactive compounds for drug delivery methods	61**
54**	PN-II-RU-TE-2012-3-0246**	Stiinta materialelor	GHEORGHIU	FELICIA	Universitatea "Alexandru Ioan Cuza" din Iasi	Developing of new oxide-based magnetoelectric multiferroic structures: from bulk ceramics to flexible composites	60**
55**	PN-II-RU-TE-2012-3-0149**	Stiinta materialelor	Rambu	Alicia Petronela	"Alexandru Ioan Cuza" University of Iasi	Fabrication and characterization of novel nanostructured semiconducting oxides for advanced applications	58**
56**	PN-II-RU-TE-2012-3-0238**	Stiinta materialelor	Garabagiu	Sorina	National Institute for Research and Development of Isotopic and Molecular Technologies	Detection and removal of toxic compounds from wastewater using hybrid nanocomposites based on noble metals	56**
57**	PN-II-RU-TE-2012-3-0223**	Stiinta materialelor	Stefan	Balta	Dunarea de Jos University of Galati	RESEARCH ON OBTAINING AND CHARACTERIZATION OF COMPOSITE POLYMERIC MEMBRANES (POLIMER/ZnO/TiO ₂ NANOPARTICLES) USED FOR WASTEWATER TREATMENT	54.66**
58**	PN-II-RU-TE-2012-3-0228**	Stiinta materialelor	Cornei	Nicoleta	University of "Alexandru Ioan Cuza" Iasi	Effect of dopant cation and temperature on the structure and properties of Ln(Co,Mn)O ₃ (Ln-lanthanides) perovskites-perspective cathode materials SOFC	51.83**
59**	PN-II-RU-TE-2012-3-0300**	Stiinta materialelor	Adam	Mihai Sorin	Universitatea Transilvania din Brasov	Eco-friendly nanostructured thermoelectric materials	49.5**

* Conform Pachetului de Informatii proiectele care au obtinut mai putin de 30 puncte pe cel putin unul din criteriile principale de evaluare (Principal Investigator, respectiv Proposal) sunt nefinantabile.

**Conform Pachetului de Informatii proiectele cu punctaje mai mici de 75 puncte sunt nefinantabile.