

**Program Resurse Umane\_Proiecte de cercetare pentru sttimularea constituirii de tinere echipe de cercetare independente**  
**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-RU-TE-2011-3-0164	Stiinta materialelor	Stan	George	National Institute of Materials Physics	Biofunctionalization of 3D titanium implants with highly adherent bioactive glass films produced by magnetron sputtering: from research to production	<b>91.33</b>	750,000	se incadreaza in bugetul competitiei
2	PN-II-RU-TE-2011-3-0289	Stiinta materialelor	Dinca	Valentina	National Institute for Lasers, Plasma and Radiation Physics	Antimicrobial and degradable biohybrid substrates with controlled surface architecture combining localized bio activation with antifouling properties	<b>91</b>	745,625	se incadreaza in bugetul competitiei
3	PN-II-RU-TE-2011-3-0033	Stiinta materialelor	Varga	Richard Attila	Babes-Bolyai University	Hypervalent organotin(IV) compounds containing iminic ligands that exhibit intra- and intermolecular interaction abilities	<b>87.67</b>	750,000	se incadreaza in bugetul competitiei
4	PN-II-RU-TE-2011-3-0057	Stiinta materialelor	FLOREA	MIHAELA	UNIVERSITY of BUCHAREST	NEW STRATEGIES FOR THE SYNTHESIS OF FINE CHEMICALS BY CATALYTIC SELECTIVE OXIDATION	<b>87</b>	750,000	se incadreaza in bugetul competitiei
5	PN-II-RU-TE-2011-3-0267	Stiinta materialelor	Palla-Papavlu	Alexandra	National Institute for Lasers, Plasma and Radiation Physics	TRANSDERMAL PATCH DEVELOPED BY LASER BASED METHODS FOR HYPERTENSIVE HEART DISEASE	<b>86.33</b>	739,600	se incadreaza in bugetul competitiei
6	PN-II-RU-TE-2011-3-0010	Stiinta materialelor	Moldoveanu	Costel	UNIVERSITATEA ALEXANDRU IOAN CUZA IASI	NEW IMIDAZOLE DERIVATIVES – FROM IONIC LIQUIDS TO N-HETEROCYCLIC CARBENES – WITH POTENTIAL PRACTICAL APPLICATIONS	<b>85.67</b>	750,000	se incadreaza in bugetul competitiei
7	PN-II-RU-TE-2011-3-0083	Stiinta materialelor	RISTOSCU	Carmen-Georgeta	National Institute for Lasers, Plasma and Radiation Physics	Pulsed laser nanostructuring, assembling and immobilization of biomaterials	<b>84.67</b>	750,000	se incadreaza in bugetul competitiei
8	PN-II-RU-TE-2011-3-0134	Stiinta materialelor	Farcau	Cosmin	Babes-Bolyai University	Development of Dual Electrical/Optical NanoSensors on Flexible Substrates by Colloidal Self-Assembly	<b>83.25</b>	900,000	se incadreaza in bugetul competitiei
9	PN-II-RU-TE-2011-3-0032	Stiinta materialelor	Lucacel Ciceo	Raluca	Babes Bolyai University	New bioactive glasses and glass-ceramics doped with selenium and molybdenum: synthesis, structural and biological properties.	<b>83</b>	750,000	se incadreaza in bugetul competitiei
10	PN-II-RU-TE-2011-3-0016	Stiinta materialelor	Galca	Aurelian-Catalin	National Institute of Materials Physics	Study of Induced Effects by Defects and Impurities on Optical, Electrical and Electronic Properties of Wide Band Gap Semiconductors	<b>82.33</b>	750,000	se incadreaza in bugetul competitiei
11	PN-II-RU-TE-2011-3-0130	Stiinta materialelor	Alexandrina	Nan	National Institute for Research and Development of Isotopic and Molecular Technologies	Novel organocatalytic magnetic core-shell nanoparticles and their application	<b>80.67</b>	750,000	se incadreaza in bugetul competitiei
12	PN-II-RU-TE-2011-3-0160	Stiinta materialelor	Maxim	Florentina Violeta	Institute of Physical Chemistry Ilie Murgulescu	nanoPerovskites in one-dimension: synthesis, structure, properties	<b>80.33</b>	920,000	se incadreaza in bugetul competitiei
13	PN-II-RU-TE-2011-3-0070	Stiinta materialelor	Stokker-Cheregi	Flavian	National Institute for Lasers, Plasma, and Radiation Physics	Growth and modeling of distributed Bragg reflectors for quantum microcavities	<b>79.67</b>	712,800	se incadreaza in bugetul competitiei
14	PN-II-RU-TE-2011-3-0174	Stiinta materialelor	Mihesan	Maria Claudia	Institute of Macromolecular Chemistry "Petru Poni" Iasi	Bionanoconjugates formation by laser ablation in liquid	<b>79.67</b>	920,000	se incadreaza in bugetul competitiei
15	PN-II-RU-TE-2011-3-0126	Stiinta materialelor	Visinescu	Diana Beatrice	Institute of Physical Chemistry Ilie Murgulescu, Romanian Academy	Molecular and Supramolecular Heterotrimetallic Systems: towards a new generation of molecular magnetic materials	<b>79</b>	750,000	se incadreaza in bugetul competitiei

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16	PN-II-RU-TE-2011-3-0252	Stiinta materialelor	Madalan	Augustin Madalin	Universitatea din Bucuresti	Metallo-complexes with functionalised tripodal ligands as molecular recognition devices	<b>79</b>	750,000	se incadreaza in bugetul competitiei
17	PN-II-RU-TE-2011-3-0107	Stiinta materialelor	Enculescu	Maria-Monica	National Institute of Materials Physics	Quasi one-dimensional photonic crystals based on refractive index control of polymer nanofibers	<b>78</b>	750,000	se incadreaza in bugetul competitiei
18	PN-II-RU-TE-2011-3-0024	Stiinta materialelor	Ianos	Robert Gabriel	"Politehnica" University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering	Innovative solutions in the field of large surface area ceramic nanopowder preparation via combustion synthesis	<b>77.25</b>	750,000	se incadreaza in bugetul competitiei
19	PN-II-RU-TE-2011-3-0298	Stiinta materialelor	Stavarache	Carmen	"Costin D. Nenitescu" Center of Organic Chemistry	Synthesis of biologically active iminosugars using unconventional methods-microwave and ultrasonic irradiation	<b>76</b>	750,000	Lista de rezerva
20	PN-II-RU-TE-2011-3-0284	Stiinta materialelor	Vladescu	Alina	National Institute of research and development for Optoelectronics	Bioactive and antimicrobial coatings for dental and orthopaedic implants biofunctionalization – BIOCOATING	<b>75.67</b>	750,000	Lista de rezerva
21	PN-II-RU-TE-2011-3-0119	Stiinta materialelor	Bogatu	Cristina-Aurica	Transilvania University of Brasov	Thin films oxides obtained by surfactant assisted synthesis for solar energy conversion	<b>75.33</b>	716,260	Nefinantabil
22	PN-II-RU-TE-2011-3-0095	Stiinta materialelor	AXENTE	Emanuel	National Institute for Lasers, Plasma, and Radiation Physics	Innovative LASer PROcessing of BIOcomposite Nanostructures for Metal Implants Surface Optimization (LASPROBIO)	<b>75</b>	750,000	Nefinantabil
23	PN-II-RU-TE-2011-3-0079	Stiinta materialelor	Fleaca	Claudiu Teodor	National Institute for Lasers, Plasma and Radiation Physics	The synthesis of nanostructured micromembrane suspensions	<b>74.75</b>	750,000	Nefinantabil
24	PN-II-RU-TE-2011-3-0054	Stiinta materialelor	Terec	Anamaria-Elena	Babes-Bolyai University	Host-Guest Assemblies: New Laterally Non-symmetric Cryptands	<b>74.67</b>	750,000	Nefinantabil
25	PN-II-RU-TE-2011-3-0205	Stiinta materialelor	Buciumeanu	Mihaela	University "Dunarea de Jos" of Galati	Surface degradation of light alloys under reciprocating sliding conditions	<b>73.33</b>	500,000	Nefinantabil
26	PN-II-RU-TE-2011-3-0135	Stiinta materialelor	Toloman	Dana	National Institute for Research and Development of Isotopic and Molecular Technologies	Core-shell nanoparticles based on undoped and doped ZnO and gold: plasmons, SERS and magnetic moments	<b>71.75</b>	750,000	Nefinantabil
27	PN-II-RU-TE-2011-3-0061	Stiinta materialelor	Crisan	Alina Daniela	National Institute of Materials Physics	Novel RE-free nanocomposite magnets for high temperature and corrosion resistant applications	<b>69.75</b>	750,000	Nefinantabil
28	PN-II-RU-TE-2011-3-0112	Stiinta materialelor	Raluca	Voicu	National Research and Development Institute for Gas Turbines COMOTI	Advanced composite structure with adaptables acoustic performances–COMNOISE	<b>68.25</b>	745,000	Nefinantabil
29	PN-II-RU-TE-2011-3-0262	Stiinta materialelor	POIENAR	MARIA	INSTITUTUL NATIONAL DE CERCETARE – DEZVOLTARE PENTRU ELECTROCHIMIE SI MATERIE CONDENSATA	Tuning the properties of charge ordered multiferroic LuFe2O4 to design new room temperature multifunctional devices.	<b>67.67</b>	920,000	Nefinantabil
30	PN-II-RU-TE-2011-3-0303	Stiinta materialelor	Mesaros	Amalia	Technical University of Cluj-Napoca	Sunthesis and characterization of highly luminescent semiconducting quantum dots	<b>67.33</b>	750,000	Nefinantabil

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31	PN-II-RU-TE-2011-3-0094	Stiinta materialelor	Utu	Ion-Dragos	"Politehnica" University of Timisoara	Cresterea performantelor de exploatare a aliajelor de titan prin depuneri de straturi pulv. termic de Al2O3-TiO2 si retopite cu fascicul de electroni	<b>66.33</b>	750,000	Nefinantabil
32	PN-II-RU-TE-2011-3-0069	Stiinta materialelor	Danac	Ramona Antoaneta	Alexandru Ioan Cuza University	Calixazacrowns and Conjugates of Calixarenes and Heterocycles: synthesis, characterization, applications	<b>66</b>	750,000	Nefinantabil
33	PN-II-RU-TE-2011-3-0087	Stiinta materialelor	Cristea	Victoria Cecilia	University of Medicine and Pharmacy Iuliu Hatieganu Cluj-Napoca	New modified carbon based electrodes for noble and heavy metals detection	<b>65</b>	750,000	Nefinantabil
34	PN-II-RU-TE-2011-3-0091	Stiinta materialelor	Serbezeanu	Diana	Petru Poni Institute of Macromolecular Chemistry	Multifunctional phosphorus-containing polymers for high performance materials in advanced technologies or biomedical applications	<b>64.67</b>	750,000	Nefinantabil
35	PN-II-RU-TE-2011-3-0063	Stiinta materialelor	RUSU	GERLINDE	POLITEHNICA University of Timisoara	Promotion of mono, oligo and polysaccharides as renewable resources in biodegradable polymer production	<b>64</b>	744,740	Nefinantabil
36	PN-II-RU-TE-2011-3-0308	Stiinta materialelor	BELEI	Dalila	Al. I. Cuza University of IASI	New classes of biomimetic compounds. Design, synthesis and biological activity.	<b>63.67</b>	750,000	Nefinantabil
37	PN-II-RU-TE-2011-3-0171	Stiinta materialelor	ZECHERU	TEODORA	SCIENTIFIC RESEARCH CENTER FOR CBRN DEFENSE AND ECOLOGY	STUDIES AND EXPERIMENTAL RESEARCHES REGARDING THE SYNTHESIS AND THE CHARACTERIZATION OF NEW EXPLOSIVE MATERIALS WITH LOW IMPACT ON THE ENVIRONMENT	<b>62.67</b>	750,000	Nefinantabil
38	PN-II-RU-TE-2011-3-0073	Stiinta materialelor	TOTOS	STEFANIA	BABES-BOLYAI UNIVERSITY	NOVEL FUNCTIONALIZED QUINUCLIDINES OBTAINED THROUGH DERIVATIZATION OF 10,11-DIDEHYDRO QUINCORINE AND 10,11-DIDEHYDRO QUINCORIDINE	<b>62</b>	750,000	Nefinantabil
39	PN-II-RU-TE-2011-3-0287	Stiinta materialelor	Enache	Stanica	National Institute of Materials Physics	Hydrogenography	<b>61.67</b>	750,000	Nefinantabil
40	PN-II-RU-TE-2011-3-0216	Stiinta materialelor	Mihai Sorin	Adam	Universitatea Transilvania din Brasov	Nanostructured thermoelectric materials prepared via ball milling and investigated by means of X-ray Absorption Spectroscopy	<b>61.33</b>	750,000	Nefinantabil
41	PN-II-RU-TE-2011-3-0199	Stiinta materialelor	Alexa	Irina-Claudia	Universitatea Vasile Alecsandri din Bacau	Enzymatic synthesis using plant fragments as active oxidizing reagents	<b>60.5</b>	420,000	Nefinantabil
42	PN-II-RU-TE-2011-3-0011	Stiinta materialelor	Zbancioc	Gheorghita	UNIVERSITATEA ALEXANDRU IOAN CUZA IASI	NEW DERIVATIVES WITH AZAHETEROCYCLIC SKELETON AND WITH HIGHLY FLUORESCENT PROPERTIES	<b>60.33</b>	750,000	Nefinantabil