

**Program Resurse Umane\_Proiecte de Cercetare pentru Stimularea constituirii de tinere echipe de cercetare independente\_Competitia 2012**

**Stiinta materialelor**

Nr. Crt.	Cod	Domeniu	Nume	Prenume	Institutie	Titlu	Punctaj 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	Sucea	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	Scarisoreanu	Nicu Doinel	National Institute for Laser, Plasma & Radiation Physics (INFLPR)	Lead-free thin film of (Ba <sub>1-x</sub> Cax)(Ti <sub>1-y</sub> Zry)O <sub>3</sub> 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