

## PROGRAM IDEI\_PROIECTE DE CERCETARE EXPLORATORIE\_COMPETITIA 2011

## CHIMIE

NR. CRT.	COD PROIECT	NUME DIRECTOR	PRENUME DIRECTOR	INSTITUTIE	TITLU	BUGET APROBAT 2014
1	PN-II-ID-PCE-2011-3-0032	Bogdan	Mircea	Institutul National de Cercetare-Dezvoltare pentru Tehnologii Izotopice si Moleculare, Cluj-Napoca	Biologand - macromolecule intermolecular interactions as probed by spectroscopic and microcalorimetric techniques	202,628
2	PN-II-ID-PCE-2011-3-0152	MEDVEDOVICI	ANDREI VALENTIN	Universitatea din Bucuresti	Large volume injection of mobile phase immiscible diluents in HPLC	164,250
3	PN-II-ID-PCE-2011-3-0187	Dan	Rosu	Institutul de Chimie Macromoleculara "Petru Poni" Iasi	Advanced research related to the behavior of multi-component polymer systems under simulated environmental factors action	175,000
4	PN-II-ID-PCE-2011-3-0255	Apetrei	Constantin	Universitatea "Dunarea de Jos" din Galati	Development of an electronic system based on electrochemical sensors and biosensors for the control of biogenic amines	109,123
5	PN-II-ID-PCE-2011-3-0271	Lupu	Stelian	Universitatea Politehnica din Bucuresti	Electrochemical micro-biosensors based on electrodes and their arrays modified with composite materials	117,500
6	PN-II-ID-PCE-2011-3-0272	Spataru	Nicolae	Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane	Interactional and functional effects of the substrate on the electrochemical behavior of micro and nanostructured metallic and oxidic deposits	160,000
7	PN-II-ID-PCE-2011-3-0286	Bala	Camelia	Universitatea din Bucuresti	BIOFUNCTIONALIZED INTERFACES AS SMART BIOSENSORS FOR FAST IDENTIFICATION OF PHARMACEUTICAL AND METABOLITES IN WASTE WATER	212,500
8	PN-II-ID-PCE-2011-3-0304	Lazarescu	Valentina	Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane	Molecular control over single-crystalline GaAs(hkl) surface electronic properties by using bio-thiols	153,000
9	PN-II-ID-PCE-2011-3-0328	Ionita	Elena Gabriela	Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane	Exploring gels containing cyclodextrins by EPR spectroscopy: structure, properties, applications	165,000
10	PN-II-ID-PCE-2011-3-0355	Sandulescu	Robert	Universitatea de Medicina si Farmacie "Iuliu Hatieganu" Cluj-Napoca	AMPEROMETRIC IMMUNOSENSOR FOR OVARIAN AND UTERINE CANCER BIOMARKERS	187,500
11	PN-II-ID-PCE-2011-3-0366	SARBU	COSTEL	Universitatea Babes-Bolyai din Cluj-Napoca	Comprehensive evaluation of redox activity and lipophilicity for biogenic amines and related compounds	150,000
12	PN-II-ID-PCE-2011-3-0382	Elisa	Mihail	Institutul National de Cercetare Dezvoltare pentru Optoelectronica INOE 2000	Quantum confinement effect of CdS/CdSe quantum dots in phosphor aluminosilicate matrix as a promising new temperature sensing material	187,500

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13	PN-II-ID-PCE-2011-3-0510	Calderon Moreno	Jose	Institutul de Chimie Fizica "Ilie Murgulescu" al Academiei Romane	Rapid, innovative, soft-solution advanced processing of a new bioalloy surface for the improvement of its interactions with human fluids	88,080
14	PN-II-ID-PCE-2011-3-0853	TOMOAIACOTISEL	MARIA	Universitatea Babes-Bolyai din Cluj-Napoca	MULTIFUNCTIONAL NANOSTRUCTURES FORMED OF GOLD OR SILVER NANOPARTICLES AND DIFFERENT BIOMOLECULES WITH MEDICAL APPLICATIONS Acronym: NANOMED	102,845
15	PN-II-ID-PCE-2011-3-0922	Staicu	Angela	Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei	Light triggering of drug carrier systems for targeted delivery and controlled release	182,500
16	PN-II-ID-PCE-2011-3-1067	Ungureanu	Eleonora-Mihaela	Universitatea Politehnica din Bucuresti	The project entitled MODIFIED ELECTRODES FOR ANALYTICAL APPLICATIONS aims the development of new materials for electrochemical sensors. This project	150,000