

Program IDEI_Proiecte de Cercetare Exploratorie_Competitie 2012
Rezultate finale_Chimie

Nr. Crt.	Cod Proiect	Domeniu	Nume	Prenume	Institutie	Titlu	Punctaj final
1	PN-II-ID-PCE-2012-4-0488	Chimie	Silaghi-Dumitrescu	Radu	Babes-Bolyai University	Redox activation of small molecules at biological metal centers	91.34
2	PN-II-ID-PCE-2012-4-0633	Chimie	Cimpoesu	Fanica	Institute of Physical Chemistry Ilie Murgulescu	Methodological advances and theoretical experiments on the bonding regime and properties design. From atoms to supra-molecules.	90
3	PN-II-ID-PCE-2012-4-0248	Chimie	Grosu	Ion	Babes-Bolyai University	Innovative Mechanically Interlocked Molecules: Design, Synthesis, Properties and Molecular Devices	89.34
4	PN-II-ID-PCE-2012-4-0362	Chimie	Ghica	Corneliu	National Institute of Materials Physics	Atomically resolved structure and interface related phenomena in nano-scale modulated smart materials	88
5	PN-II-ID-PCE-2012-4-0115	Chimie	MUNTEAN	CRISTINA	National Institute for Research and Development of Isotopic and Molecular Technologies	STRUCTURAL CHANGES AND (SUB)PICONSECOND DYNAMICS IN DNA MOLECULES PROBED WITH ULTRASENSITIVE RAMAN SPECTROSCOPIC TECHNIQUES	87.67
6	PN-II-ID-PCE-2012-4-0477	Chimie	Neamtu	Mariana	Technical University of Iasi	Catalytical and photocatalytical removal of endocrine disrupting compounds (EDCs) from waters	87.66
7	PN-II-ID-PCE-2012-4-0539	Chimie	Zamfirescu	Marian	National Institute for Lasers Plasma and Radiation Physics	Probing the mechanism of nanostructures formation on ultrafast timescales	87.37
8	PN-II-ID-PCE-2012-4-0168	Chimie	Birzu	Adrian	Alexandru Ioan Cuza University	Complex nonlinear electrochemical and reaction-diffusion systems	87
9	PN-II-ID-PCE-2012-4-0337	Chimie	Litescu	Simona Carmen	Institutul National de Cercetare Dezvoltare pentru Stiinte Biologice Bucuresti	ARRAY SENSING DEVICES FOR MONITORING OF ENDOCRINE DISRUPTOR COMPOUNDS TOXICITY/GENOTOXICITY	86.67
10	PN-II-ID-PCE-2012-4-0354	Chimie	Filip	Claudiu	National Institute for Research and Development of Isotopic and Molecular Technologies	Advances in NMR Crystallography for structural characterization of organic solids from microcrystalline powders: methodology and applications	86.67
11	PN-II-ID-PCE-2012-4-0271	Chimie	Danet	Andrei Florin	Universitatea din Bucuresti	Luminescence methods for the study of reactive oxygen species, antioxidants and ROS-associated oxidative stress	85.33
12	PN-II-ID-PCE-2012-4-0415	Chimie	Rotaru	Petre	University of Craiova	Processing of biocompatible and biologically active materials for enhancing bone implants	85.01
13	PN-II-ID-PCE-2012-4-0373	Chimie	Marcu	Ioan-Cezar	UNIVERSITATEA DIN BUCURESTI	Nanostructured ferrosphenel-based catalysts for volatile organic compounds abatement	85
14	PN-II-ID-PCE-2012-4-0481	Chimie	Pinzaru	Simona	Babes-Bolyai University	Environmental aquaculture and seafood monitoring in South-Adriatic coast (Croatia) using SERS sensors	83.67
15	PN-II-ID-PCE-2012-4-0236	Chimie	Badea Doni	Mihaela	National Institute for Research & Development in Chemistry & Petrochemistry - ICECHIM	DEVELOPMENT OF ENZYME BASED - ANALYTICAL SYSTEMS IN BIOMIMETIC MEDIA	82.67
16	PN-II-ID-PCE-2012-4-0319	Chimie	Morari	Cristian	INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU TEHNOLOGII IZOTOPICE SI MOLECULARE CLUJ-NAPOCA	Toward the realistic computation of physical and chemical properties in molecular electronics devices	82.33
17	PN-II-ID-PCE-2012-4-0266	Chimie	Laura	Bulgariu	Gheorghe Asachi Technical Univeristy of Iasi	Advanced recovery and separation of precious metals from secondary sources	81.01
18	PN-II-ID-PCE-2012-4-0237	Chimie	HADARUGA	DANIEL IOAN	Politehnica University of Timisoara	New flavonoid and omega-3 fatty acid-flavonoid bioconjugate/cyclodextrin/liposome nanoparticles and nanocapsules for pharmaceuticals&foods	81

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19	PN-II-ID-PCE-2012-4-0147	Chimie	FEROIU	VIORIEL	POLITEHNICA UNIVERSITY OF BUCHAREST (UNIVERSITATEA POLITEHNICA DIN BUCURESTI)	Simultaneous study of the critical and sub-critical phase behaviour in mixtures of carbon dioxide + alkanol isomers	79
20	PN-II-ID-PCE-2012-4-0128	Chimie	POPA	ADRIANA	Institute of Chemistry Timisoara of Romanian Academy	New applications of polymers functionalized with phosphorus and nitrogen groups as antimicrobial, antifungal agents and plant growth regulators	78.67
21	PN-II-ID-PCE-2012-4-0165	Chimie	Teodorescu	Mariana	"Ilie Murgulescu" Institute of Physical Chemistry of the Romanian Academy	The study of the influence of anions and cations on thermodynamic and thermophysical properties of some amino acids based ionic liquids	78.67
22	PN-II-ID-PCE-2012-4-0070	Chimie	Ciucanu	Ionel	West University of Timisoara	Liquid phase micro-extraction based on a micro-trap as support for the extracting phase	78.34
23	PN-II-ID-PCE-2012-4-0198	Chimie	David	Victor	University of Bucharest	DOUBLE RETENTION MECHANISM IN HYDROPHILIC INTERACTION LIQUID CHROMATOGRAPHY (HILIC)	78.33
24	PN-II-ID-PCE-2012-4-0339	Chimie	Nemes	Gabriela-Nicoleta	Babes-Bolyai University, Cluj-Napoca	Heavy analogues of carbenes containing phosphalkenyl units, as ligands in the chemistry of transition metals	78.33
25	PN-II-ID-PCE-2012-4-0184	Chimie	Popa	Monica	Institute of Physical Chemistry "Ilie Murgulescu"	Surface processing for controlled biodegradation of magnesium alloys to be used as bioresorbable implants (PROBIOMAG)	77.34
26	PN-II-ID-PCE-2012-4-0112	Chimie	Ghimici	Luminita	"Petru Poni" Institute of Macromolecular Chemistry	IONIC POLYMERS BASED ON POLYSACCHARIDES: CORRELATIONS BETWEEN STRUCTURE, PHYSICO-CHEMICAL PROPERTIES AND INTERACTION WITH OPPOSITELY CHARGED PARTICLES	76.67
27	PN-II-ID-PCE-2012-4-0486	Chimie	Părvulescu	Viorica	Institute of Physical Chemistry "Ilie Murgulescu", Romanian Academy	Hierarchical structuring of silica-metal organic framework composites with catalytic properties	76.67
28**	PN-II-ID-PCE-2012-4-0213**	Chimie	Dumitrascu	Florea	Centrul de Chimie Organica Costin D. Nenitescu	Application oriented nitrogen containing heterocycles:Creating diversity trough simple and clean synthetic one-pot and multicomponent processes.	74.33**
29**	PN-II-ID-PCE-2012-4-0641**	Chimie	Purcar	Ioan Marius	UNIVERSITATEA TEHNICA DIN CLUJ-NAPOCA	Developing and Evaluation of a Novel Multiscale Approach to Electrode Shape Changes in the Electrochemical Processes	74**
30**	PN-II-ID-PCE-2012-4-0493**	Chimie	Razus	Alexandru Constantin	Centrul de Chimie Organica Costin D. Nenitescu al Academiei Romane	Synthesis and properties of new 1,2-diazulenylethenes with potential applications in optoelectronic devices field as well as in analytic chemistry	73.33**
31**	PN-II-ID-PCE-2012-4-0596**	Chimie	Badea	Elena	National Research and Development Institute for Textile and Leather, Leather and Footwear Research Institute Division	ENVIRONMENTAL CONTROL AND DETERIORATION MONITORING STRATEGY FOR SUSTAINABLE PRESERVATION OF PARCHMENT AND LEATHER HERITAGE (ECO-CHANGE)	73.33**
32**	PN-II-ID-PCE-2012-4-0117**	Chimie	MACARIE	LAVINIA	INSTITUTUL DE CHIMIE TIMISOARA AL ACADEMIEI ROMANE	Polymeric materials based on vinylphosphonic acid with possible uses as ion exchangers and polymer electrolytes	73.01**
33**	PN-II-ID-PCE-2012-4-0394**	Chimie	Meltzer	Viorica	University of Bucharest	Physico-chemical study of multicomponent mixtures with potential biomedical application	73**
34**	PN-II-ID-PCE-2012-4-0567**	Chimie	Sava	Ion	"Petru Poni" Institute of Macromolecular Chemistry	"Molecular design of some aromatic-aliphatic polyimides with performance properties for complex applications"	72.33**
35**	PN-II-ID-PCE-2012-4-0384**	Chimie	Aurel	PUI	Universitatea "Alexandru Ioan Cuza" din Iasi	Synthetic biocatalysts	71.66**
36**	PN-II-ID-PCE-2012-4-0545**	Chimie	Arvinte	Adina	Petru Poni Institute of Macromolecular Chemistry	Selective electrochemical detection of toxic heavy metals using crown ether - based polymer modified electrodes	71**

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37**	PN-II-ID-PCE-2012-4-0436**	Chimie	Bodis	Eugen Jen0	Babes-Bolyai University	Ideal syntheses through metal catalyzed reductive amination reactions in green solvents	69.33**
38**	PN-II-ID-PCE-2012-4-0192**	Chimie	Gabriela	Lisa	GHEORGHE ASACHI TECHNICAL UNIVERSITY OF IASI	Structure-property relationships for high performance materials and new application opportunities	69**
39**	PN-II-ID-PCE-2012-4-0063**	Chimie	Alexandru	Popa	Institute of Chemistry Timisoara of Romanian Academy	New nanostructured materials based on Cs and Ag salts of Keggin type heteropolyacids incorporated on silica and titania with application in catalysis	68.66**
40**	PN-II-ID-PCE-2012-4-0273**	Chimie	Lazar	Mihaela Diana	National Institute for Research and Development of Isotopic and Molecular Technologies - INCDTIM Cluj Napoca	Catalytic chemoselective partial oxidation of glycerol – a biorenewable route to valuable chemicals	68**
41**	PN-II-ID-PCE-2012-4-0399**	Chimie	Cristea	Castelia	Universitatea Babes-Bolyai	Green synthetic methodology for azaheterocycles with luminiscent properties	67.99**
42**	PN-II-ID-PCE-2012-4-0258**	Chimie	Adrian	Beteringhe	Lumina Foundation Educational Institutions - Lumina - The University of South-East Europe	Synthesis of some organic compounds with potential inhibitory activity of anthrax lethal factor.QSAR and Molecular Docking studies.	64.67**
43**	PN-II-ID-PCE-2012-4-0366**	Chimie	Chirita	Paul	University of Craiova	The study of the effect of sulfur rich layer formation on dissolution of iron monosulfide	63.34**
44**	PN-II-ID-PCE-2012-4-0114**	Chimie	Birsa	Mihail Lucian	Alexandru Ioan Cuza University of Iasi	[2.2]Paracyclophane derivatives as natural enediynes analogs	62.67**
45**	PN-II-ID-PCE-2012-4-0265**	Chimie	Buda	Mihai	Politehnica University of Bucharest Applied Chemistry and Materials Science Faculty	Dynamic electrochemistry: theoretical and experimental electrochemical kinetics	61.5**
46**	PN-II-ID-PCE-2012-4-0073**	Chimie	Mustata	Fanica	Petru Poni Institute of Macromolecular Chemistry Iasi	Multifunctional polymers and composite materials based on natural and synthetic monomers. Synthesis, characterization and thermal behaviour.	61.33**
47**	PN-II-ID-PCE-2012-4-0125**	Chimie	Zaharia	Valentin	Iuliu Hațegănu University of Medicine and Pharmacy Cluj-Napoca	Stereoselective chemoenzymatic synthesis of new chiral thiazole synthons for drug applications	60.34**
48**	PN-II-ID-PCE-2012-4-0586**	Chimie	David	Vasile	Universitatea din Bucuresti	Electrochemical Investigation of Electrochromic Conducting Polymers for Cultural Heritage Valorization	60**
49**	PN-II-ID-PCE-2012-4-0416**	Chimie	Pacureanu	Liliana Mioara	Institute of Chemistry Timisoara of Romanian Academy	Multipurpose Benchmarking Validation Datasets for Virtual Screening	58.34**
50**	PN-II-ID-PCE-2012-4-0076**	Chimie	Ulmeanu	Magdalena	National Institute for Laser, Plasma and Radiation Physics	Photochemical and photothermal mechanisms in silicon laser ablation using the ultrashort laser pulses.	52.34**

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