

**Infrastructura de cercetare (de excepție) de valoare considerabilă la nivel național și competitiv la nivel internațional / cu grad de unicitate**

**FACULTATEA DE CHIMIE**

<b>platforma / statiuni experimentale:</b>	Laborator de chimie organica
Facilitati oferite:	Gaz cromatograf cuplat cu spectrometru de masa SHIMADZU QP 2010 (cu EI, CI pozitiv, introducere directa), Shimadzu, Japonia, 2006;
	Spectrometru FTIR 8400s / IR-Prestige – 21 (pentru solide si lichide), Shimadzu, Japonia, 2006
	Spectrometru UV-VIS BioCarry100
	UV-VIS Shimadzu, Japonia, 2008
	Spectrometru IR Tensor 27
	Sistem HPLC
	Liofilizator ALPHA 1-2 LD Plus (Christ, Germania, 2006);
	Reactor de microunde monomod, STAR-2
	Generator de ultrasunete Sonoplus HD 3200
	Aparat pentru racire avansata cu recirculare LAUDA VKL 600 (Bandelin, Germania, 2006).
	Fluorimetru pentru microplaci
	Incubator pentru culturi de celule KS4000i
	Cuptor distilare Buchi
	4 rotavapoare
<b>platforma / statiuni experimentale:</b>	Laborator de chimie anorganica
Facilitati oferite:	FTIR JASCO 660+
	UV-VIS Cintra 101, M501
	Gaz cromatograf Buck 910
	Cuptor de calcinare cu atmosfera controlata
	Balanta de susceptibilitate magnetica
	Sistem de detectie a radiatiilor gama 1N1K5-2
<b>platforma / statiuni experimentale:</b>	Laborator de chimie analitica
Facilitati oferite:	Cromatograf ionic DIONEX ICS3000
	Cromatograf de gaze HRGC-KONIK 4000
	Spectrometru de absorbtie atomica PERKIN ELMER 3300
	Cromatograf de lichide AGILENT 1100 series
	Spectrometru UV-CIS Cintra 10E, Shimadzu
	Translab Radiometer MDE150
	Mineralizator Aurora Instruments
	Analizor Carbon Organic Total (TOC) multi N/C, Analytik Jena
<b>platforma / statiuni experimentale:</b>	Laborator de chimia materialelor
Facilitati oferite:	Analizor determinare rapida, precisa, simultana TOC/TC
	Spectrofotometru UV-VIS Shimadzu cu reflexie difuza
	Spectrofotometru AAS ContrAA300
	Aparat pentru determinarea suprafetei specifice si porozitatii NOVA 2200e, Quantachrome
	Gaz cromatograf 14B-Shimadzu

**Criteria de performanta  
Brevete**

Nr. Crt.	Data acordarii		Autor(i)	Denumire Brevet	Institutiya care a acordat Brevetul	Tip Brevet: național /internațional
	an	luna				
1	2009		Odochian L, Pui A.	BREVET DE INVENTIE NR. 122359/2009, "PROCEDEU SI INSTALATIE DE OBTINERE A HIDRAZINEI".	OSIM	National

**Cărți publicate in edituri naționale recunoscute CNCSIS**

Nr. crt.	Facultate	Anul public	Titlul carte	Autor(i) cu afilierea UAIC	Editura națională recunoscută CNCSIS	ISBN	numar pagini
1	CHIMIE	2009	Understanding atmospheric chemistry of hydrocarbons. An introductory approach	C. Arsene, R. I. Olariu	TEHNOPRESS	978-973-702-657-6	177
2	CHIMIE	2009	Metode analitico-statistice in investigarea sistemelor chimice	C. Arsene, R. I. Olariu	Performantica	978-973-730-606-7	241
3	CHIMIE	2009	Fundamentele termodinamicii chimice, ed III-a	G. Bourceanu	Ed. Tehnica	978-973-31-2351-4	575
4	CHIMIE	2009	Didactica chimiei-teorie si aplicatii	D. Cozma, A.Pui	Performantica	978-973-730-603-6	219
5	CHIMIE	2009	FERITE DE COBALT MAGNETOSTRICTIVE	CALTUN, O.F.; PALAMARU, M.N.; IORDAN, A.R.; .	EDITURA UNIVERSITATII AL. I .CUZA	978-973-703-414-4	272
6	CHIMIE	2009	METODE DE SORBTIE NECONVENTIONALE SI MICROBIOLOGICE ALE UNOR COLORANTI	DULMAN, V.; CUCU-MAN, S.	Ed. Demiurg		280
7	CHIMIE	2009	MATERIALE NANOSTRUCTURATE:PREZENT SI VIITOR, VOL.IV. NANOTUBURI	POPOVICI, E.; RUDEI IGNAT, M.	Ed. Demiurg	978-973-152-164-0	233
8	CHIMIE	2009	PROBLEME SI EXERCITII DE CHIMIE ORGANICA	Sunel V	TEHNOPRESS	978-973-702-638-5	206
9	CHIMIE	2009	MATERIALE NANOSTRUCTURATE AVANSATE - prezent și viitor. Volumul II. Materiale Nanoporoase	Vasile A	Ed. Demiurg	978-973-152-001-8	218
10	CHIMIE	2009	Steroide:compusi naturali si analogi de sinteza. Vol. 2	G. Zbancioc, I. Mangalagiu	EDITURA UNIVERSITATII AL. I .CUZA	978-973-703-451-9	186

**Lucrări științifice publicate in volumele ale conferințelor**

Nr. crt.	Facultate	Data public	Titlul lucrării, articolului , paginile	Autor(i)	Titlul volumului conferinței	Tipul conferinței: națională/ internațională
1	CHIMIE	2009	OXIDES IN SYNTHESIS AND CHARACTERISATION OF DOUBLE PEROVSKITE 2NIXCO1-XWO6 SERIES	PALAMARU, M.N.; IORDAN, A.R.; POPA, K.; ALEXANDROAEI, M.	4th International Conference on the Environmental Effects of Nanoparticles and Nanomaterials, University of Vienna, Sun 6th- Wed 9th September 2009	Internationala
2	CHIMIE	2009	SOURCES AND VARIABILITY OF NON-METHANE HYDROCARBONS IN THE EASTERN MEDITERRANEAN, p. 333-340	ARSENE, C.; BOUGIATIOTI, A.; MIHALOPOULOS, N.	Global NEST Journal, 11	Internationala
3	CHIMIE	2009	BIOREMEDIATION AND TOXICITY MECHANISM OF SOME HERBICIDE DINITROPHENYL DERIVATIVES.	DROCHIOIU, G.; MURARIU, M.; JURCOANE, S.	Proceedings of 3rd AMIREG International Conference, Assessing the Footprint of Resources Utilization and Hazardous Waste Management, Athens, pp. 90-95.	Internationala
4	CHIMIE	2009	KINETIC STUDY OF THE MICELLAR PSEUDO-PHASE AS REACTION MEDIUM	ONEL, L.; BUURMA, N.J.	42nd IUPAC Congress: Chemistry Solutions, 2 – 7 August 2009	Internationala
5	CHIMIE	2009	ON THE CRYSTAL STRUCTURE OF MIIMIV(PO4)2 (MII= CA, BA; MIV= TH, NP)	POPA, K.; RAISON, P.E.; KONINGS, R.J.M.	39emes Journees des Actinides, La Grande Motte, Franta, 28-31 martie 2009	Internationala
6	CHIMIE	2009	APPLICATION OF SOME MICRO- AND MESOPOROUS MATERIALS IN GAS AND PARTICLE SENSING	LUTIC, D.; POPOVICI, E.; SEFTEL, E.; LLOYD-SPETZ, A.	First International Conference on Multifunctional, Hybrid and Nanomaterials, Hybrid Materials 2009, 15-19 martie 2009, Tours, Franta	Internationala
7	CHIMIE	2009	NEW MGAL-LDH/TIO2 NANOCOMPOSITES WITH PHOTOCATALYTIC APPLICATION	SEFTEL, E.M.; POPOVICI, E.; BEYERS, E.; COOL, P.; VANSANT, E.F.	Catalysis for Sustainable World, EUROPACAT IX, 30th August-4th September, Salamanca, Spain	Internationala
8	CHIMIE	2009	SYNTHESIS OF CATALYTIC MATERIALS WITH ORDERED STRUCTURE FOR CHEMICAL SENSORS	LUTIC, D.; SEFTEL, E.M.; POPOVICI, E.; BJORKLUND, R.;ANDERSSON, M.; LLOYD-SPETZ, A.	Catalysis for Sustainable World, EUROPACAT IX, 30th August-4th September, Salamanca, Spain	Internationala
9	CHIMIE	2009	CONFINEMENT AND CONTROLLED RELEASE OF CAPTOPRIL ON FUNCTIONALIZED ORDERED MESOPOROUS SILICA-MATRIX	POPOVICI, R.F.; SEFTEL, E.M.; VOICU, V.	Catalysis for Sustainable World, EUROPACAT IX, 30th August-4th September, Salamanca, Spain	Internationala
10	CHIMIE	2009	SYNTHESIS AND SENSING PROPERTIES OF ZNO-SNO2 NANOCOMPOSITES	SEFTEL, E.M.; LUTIC, D.; POPOVICI, E.	Catalysis for Sustainable World, EUROPACAT IX, 30th August-4th September, Salamanca, Spain	Internationala
11	CHIMIE	2009	SYNTHESIS AND CHARACTERIZATION OF CATALYTIC SILICEOUS MATERIALS WITH ORDERED STRUCTURE FOR CHEMICAL SENSORS	LUTIC, D.; SEFTEL, E.M.; POPOVICI, E.; BJORKLUND, R.; LLOYD-SPETZ, A.	13th European Conference of Applications of Surface and Interface Analysis, ECASIA'09, Octotber 18-23, 2009, Antalya, Turkey	Internationala
12	CHIMIE	2009	CONTROLLED RELEASE OF SOME ACE INHIBITORS BY REGULATING THE PORE SIZE AND MORPHOLOGY OF MESOPOROUS SILICA MATRICES	POPOVICI, R.F.; SEFTEL, E.M.; MIHAI, G.D.; POPOVICI, E.; VOICU, V.	216th ECS Meeting, Viena, Austria, October 4-9, 2009	Internationala
13	CHIMIE	2009	STUDY OF THE STRUCTURAL AND PHOTOCATALYTIC PROPERTIES OF ZNO/SBA-15 MATERIALS OBTAINED BY AN ACID CATALYSED SOL-GEL METHOD	MIHAI, G.D.; MEYNEN, V.; BILBA, N.; POPOVICI, E.; COOL, P.	216th ECS Meeting, Viena, Austria, October 4-9, 2009	Internationala
14	CHIMIE	2009	STUDY ON URANYL IONS SEQUESTRATION FROM SIMULATED WASTEWATERS ON ROMANIAN MODIFIED CLAYS	HRISTODOR, C.; HUMELNICU, D.; POPOVICI, E.	216th ECS Meeting, Viena, Austria, October 4-9, 2009	Internationala
15	CHIMIE	2009	SYNTHESIS AND CHARACTERIZATION OF PHOTOCATALYTIC SYSTEMS BASED ON URANYL IONS/MESOPOROUS SILICA	SEFTEL, E.M.; TANASE, D.; HUMELNICU, D.; POPOVICI, E.	h ECS Meeting, Viena, Austria, October 4-9,	Internationala
16	CHIMIE	2009	MAGNETIC/TEMPERATURE SENSORS AND THEIR ELECTRICAL TRANSPORT PROPERTIES	LUCA, D.; CRAUS, M.L.; MITA, C.; CORNEI, N.; LOZOVAN, M.; PAICU, G.	Proc. SPIE Vol. 7297, 72972I (Jan. 7, 2009)	Internationala

17	CHIMIE	2009	THE LA0.54SM0.11CA0.35MNO3 PEROVSKITES DOPED WITH CU FOR THE SENSOR	LUCA, D.; CRAUS, M.L.; CORNEI, N.; FOSALAU, C.; MITA, C.; LOZOVAN, M.	Proc. SPIE Vol. 7297, 72972J (Jan. 7, 2009)	Internationala
18	CHIMIE	2009	POLY(MALEIC ANHYDRIDE-ALT-VINYL ACETATE)-TRIS-(B-CHLOROETHYL)-AMINE CONJUGATES: SYNTHESIS, CHARACTERIZATION AND POTENTIAL MEDICAL APPLICATIONS	DUMITRIU, D.; POPA, M.; SUNEL, V.; UGLEA, C.; PROFIRE, L.	European Conference on Biomaterials, ESB 2009, Lausanne, Suisse, 5-9 september 2009	Internationala
19	CHIMIE	2009	SYNTHESIS AND CHARACTERIZATION OF NEW DRUG-POLYMER CONJUGATES BASED ON STARCH.	IANCU, M.; PEPTU, C.; POPA, M.; SUNEL, V.	European Conference on Biomaterials, ESB 2009, Lausanne, Suisse, 5-9 september 2009	Internationala
20	CHIMIE	2009	COMBUSTITION SYNTHESIS AND MAGNETICAL PROPERTIES OF NANOCRISTALLINE CO-FERRITES DOPED WITH MANGANESE	IORDAN, A. R.; PALAMARU, M.N.; SLĂTINEANU, T.; CĂLȚUN, O.F.; DUMITRU, I.; BUTIUC, L.	4th International Conference on the Environmental Effects of Nanoparticles and Nanomaterials, University of Vienna, Sun 6th- Wed 9th September 2009	Internationala
21	CHIMIE	2009	OPTIMIZATION OF SYNTHESIS CONDITIONS FOR OBTAINING MNXNI1-XFE2O4 SERIES FERRITES: A STUDY OF ELECTRICAL PROPERTIES	PALAMARU, M.N.; IORDAN, A.R.; AIRIMIOAEI, M.; LEONTIE, L.; CIOMAGA, C.; MITOȘERIU, L.; SANDU, A.V.	4th International Conference on the Environmental Effects of Nanoparticles and Nanomaterials, University of Vienna, Sun 6th- Wed 9th September 2009	Internationala

**Lucrari științifice publicate in reviste de specialitate/ jurnale indexate BDI**

Nr. crt.	Facultate	Data public	Titlul articolului, paginile	Autor(i)	Revista	tip revista : nationala / internationala	ISSN
1	Chimie	2009	RADIOLYTIC OUTPUT OF HYDROGEN AS ENVIRONMENTALLY FRIENDLY ENERGY VECTOR, p. 91-95	HAUTA O., MACOVEI A., APOSTOLESCU G., GANJU D., CECAL A.	Environmental Engineering and Management Journal 8	Nationala	1582-9596
2	Chimie	2009	ON THE INFLUENCE OF ETS-10 POROSITY AND SURFACE PROPERTIES IN RETENTION OF SOME NANOIONS AND NANOMOLECULES, p. 901-905	R. GRADINARU, S.O. VALU, S. POSTOLACHE, C.C. PAVEL, I. SANDU, K. POPA	Environmental Engineering and Management Journal 8	Nationala	1582-9596
3	Chimie	2009	SORPTION REMOVAL OF CHROMATE IN SINGLE BATCH SYSTEMS BY UNCALCINED AND CALCINED MG/ZN -AL- TYPE HYDROTALCITES, p. 865-870	COCHECI L., PODE R., POPOVICI E., DVININOV E., IOVI A.	Environmental Engineering and Management Journal 8	Nationala	1582-9596
4	Chimie	2009	BIOLOGICAL EFFECT AND THE TOXICITY MECHANISMS OF SOME DINITROPHENYL ETHERS, p. 4893-4899	DUMITRAS-HUTANU, C.A.;PUI, A.; JURCOANE, S.;RUSU, E.; DROCHIOIU, G.	Roum. Biotechnol. Lett 14	Nationala	1224-5984
5	Chimie	2009	SILICON BASED MATERIALS FOR BIOOPTOELECTRONICS, p. 4397-4403	SIMIONESCU, M.; SACARESCU, L.; SACARESCU, G.; MANTU, D.; MANGALAGIU, I.I.	Roum. Biotechnol. Lett 14	Nationala	1224-5984
6	Chimie	2009	Magnetic/crystalline disorder and transport phenomena in La <sub>0.54</sub> Ho <sub>0.11</sub> ((Sr, Ca)(K, Na)) <sub>0.35</sub> MnO <sub>3</sub> manganites, p. 85-88	M. L. Craus, N. Cornei , M. Lozovan, M. Balasoiu	Solid State Phenomena 152-153	Internationala	1012-0394

**Articole publicate in reviste de specialitate recunoscute CNCSIS**

Nr. crt.	Facultate	Data public	Titlul articolului, paginile	Autor(i)	Revista recunoscuta CNCSIS	tip revista categ. B și B+/ categ. C / categ. D	ISSN
1	CHIMIE	2009	Aromatization of industrial feedstock mainly with butanes and butenes over HZSM-5 and Zn/HZSM-5 catalysts, p. 5-34	Asaftei, I.V.; Bilba, N.; Birsa, M.L.; Iofcea, G.	Acta Chemica Iasi, 17.	C	1221-5341
2	CHIMIE	2009	Synthesis of 4 - ( 3 - Bromo - 2 -Hydroxy- 5 - Methylphenyl) - 2 - Dialkylamino -1,3 - Dithiolium Chlorides, p. 35-48	Goanta, M.; Ciobanu, A.; Birsa, A.; Asaftei, I.V.; Birsa, M.L.;	Acta Chemica Iasi, 17.	C	1221-5341
3	CHIMIE	2009	Contributions in Synthesis and Characterisations of the Double Perovskites Oxides in Sr <sub>2</sub> Ni <sub>1-x</sub> Mn <sub>x</sub> WO <sub>6</sub> Series, p. 49-58	Gorodea, I.; Brezeanu, F.; Triki, S.; Popa, K.; Iordan, R.; Palamaru, M.; Simion, A.	Acta Chemica Iasi, 17.	C	1221-5341
4	CHIMIE	2009	The Importance of Meteorological factors in Greenhouse Gases Emissions, p. 59-72	Goanta, M.; Astefanei, A.; Cozma, D.	Acta Chemica Iasi, 17.	C	1221-5341
5	CHIMIE	2009	Radioactive Waste Treatment and Disposal: Phosphates for Actinides Conditioning, p. 73-84	Chisca, S.; Borhan, A.; Popa, K.	Acta Chemica Iasi, 17.	C	1221-5341
6	CHIMIE	2009	Some Aspects of 8-hydroxyquinoline in Solvents, p. 85-96	Filip, E.; Humelnicu, I.; Ghirvu, C.	Acta Chemica Iasi, 17.	C	1221-5341
7	CHIMIE	2009	Analytical Aspects for Determination of Polybrominated Diphenyl Ethers in Environmental Samples, p. 107-119	Dirtu, A.C.	Acta Chemica Iasi, 17.	C	1221-5341
8	CHIMIE	2009	1,3-Dipolar Cycloaddition Reactions of N-acetylazido-2-chlorophenothiazine, p. 197-207	Belei, D.; Bicu, E.; Birsa, M.L.	Acta Chemica Iasi, 17.	C	1221-5341
9	CHIMIE	2009	Thermal degradation of some new 7-(4'-pyridyl)-indolizine derivatives, p. 209-218	Dumitras, M.; Apostolescu, N.; Luca, A.; Danac, R.	Acta Chemica Iasi, 17.	C	1221-5341
10	CHIMIE	2009	The Voltammetric Characterization of the Electrodeposition of Cobalt, Nickel and Iron on Gold Disk Electrode, p. 151-168	Nemtoi, G.; Chiriac, H.; Dragos, O.; Apostu, M.O.; Lutic, D.	Acta Chemica Iasi, 17.	C	1221-5341
11	CHIMIE	2009	New isopolyoxomolybdates derived from heptamolybdate, with UO <sub>2</sub> <sup>2+</sup> and Th <sup>4+</sup> ions, p. 227-230	Humelnicu, D., Olariu, R.I., Arsene, C., Humelnicu, I.	Ovidius University Annals of Chemistry, 20 (2)	B+	1223-7221
12	CHIMIE	2009	Transport phenomena and spin state transition in La <sub>0.54</sub> Ho <sub>0.11</sub> Ca <sub>0.35</sub> Co <sub>x</sub> Mn <sub>1-x</sub> O <sub>3</sub> manganites, p. 157-164	Mihail-Liviu Craus, Nicoleta Cornei, Mihai LOZOVAN	Bull. Polytech Inst. of Iasi, LV(LIX) fasc. 2	B	0254-7104
13	CHIMIE	2009	Structure and Stability of Some Aromatics Derivatives in Water-Ethanol Mixtures, p. 109-116	Elena Filip, Mihaela Dimitriu, Dana-Ortansa Dorohoi, I. Humelnicu,	Bul. Inst. Pol. Iași, S. Matematică, Mecanică Teoretică, Fizică, Tomul LV(LIX), Fasc.2,	B	0304-5188

**Lucrari științifice/tehnice publicate in reviste de specialitate cotate ISI (cu afilierea UAIC)**

Nr. crt.	Facultate	Data public	Titlul articolului, paginile	Autor(i)	Revista ISI	Tip Revista ISI: națională /	ISSN	Factorul de impact al revistei
1	Chimie	2009	CADMIUM SELENIDE NANOPARTICLES SYNTHESIS IN WATER-SOLUBLE POLYMER SYSTEM, p. 274-278	MELNIG, V.; APOSTU, M.O.; FOCA, N.	MATER. PLAST. 46 (3)	Nationala	0025-5289	0.873
2	Chimie	2009	EFFECT OF PRESSURE ON LATTICE DISTORTION, TRANSPORT AND MAGNETIC PROPERTIES OF PR-SUBSTITUTED LA1.2SR1.8MN2O7 BILAYERED MANGANITE, 486001	YAMATO, Y.; MATSUKAWA, M.; NIMORI, S.; SURYANARAYANAN, R.; MURANO, Y.; NAKANISHI, Y.; APOSTU, M.; REVCOLEVSCHI, A.; KOYAMA, K.; KOBAYASHI, N.	J. PHYS. CONDENS. MATTER 21 (48)	Internationala	0953-8984	1.9
3	Chimie	2009	COLOSSAL ELECTRORESISTANCE AND COLOSSAL MAGNETORESISTIVE STEP IN PARAMAGNETIC INSULATING PHASE OF SINGLE CRYSTALLINE BILAYERED MANGANITE (LA0.4PR0.6)(1.2)SR1.8MN2O7, 092507	YAMATO, Y.; MATSUKAWA, M.; MURANO, Y.; SURYANARAYANAN, R.; NIMORI,	APPL. PHYS. LETT. 94 (9)	Internationala	0003-6951	3.726
4	Chimie	2009	INHIBITION VS. ENHANCEMENT OF THE NITRATE-INDUCED PHOTOTRANSFORMATION OF ORGANIC SUBSTRATES BY THE OH SCAVENGERS BICARBONATE AND CARBONATE, p. 4718-4728		Water Res., 43	Internationala	0043-1354	3.587
5	Chimie	2009	PHOTOSTABILITY AND PHOTOLABILITY OF DISSOLVED ORGANIC MATTER UPON IRRADIATION OF NATURAL WATER SAMPLES UNDER SIMULATED SUNLIGHT, p. 34-45	VIONE, D.; LAURI, V.; MINERO, C.; MAURINO, V.; MALANDRINO, M.; CARLOTTI, M.E.; OLARIU, R.I.; ARSENE, C.	Aquat. Sci., 71	Internationala	1015-1621	1.915
6	Chimie	2009	ASSESSING THE TRANSFORMATION KINETICS OF 2- AND 4-NITROPHENOL IN THE ATMOSPHERIC AQUEOUS PHASE. IMPLICATIONS FOR THE DISTRIBUTION OF BOTH NITROISOMERS IN THE ATMOSPHERE, p. 2321-2327	VIONE, D.; MAURINO, V.; MINERO, C.; DUNCIANU, M.; OLARIU, R.I.; ARSENE, C.; SAKAKHA, M.; MAILHOT, G.	Atmos. Environ. 43	Internationala	1352-2310	2.89
7	Chimie	2009	STUDIES ON CHEMICAL INTERFERENCES ON URANIUM (VI) AND THORIUM (IV) REACTION WITH (ISO)POLYOXOMETALATES, p. 1264-1269	HUMELNICU, D.; OLARIU, R.I.; SANDU, I.; HUMELNICU, I.; SANDU, A.V.; ARSENE, C.	Rev. Chim., 60	Nationala	0034-7752	0.389
8	Chimie	2009	PHYSICO-CHEMICAL CHARACTERIZATION OF A NEW SILICA-POLYOXOMETALATE THERMALLY MODIFIED UNIT, p. 1216-1219	OLARIU, R.I.; HUMELNICU, D.; SANDU, I.; HUMELNICU, I.; ARSENE, C.	Rev. Chim., 60	Nationala	0034-7752	0.389
9	Chimie	2009	STUDIES REGARDING GROUNDWATER QUALITY AT RURAL SITES. 2. PHOTOCHEMICAL GENERATION OF OH AND NO2 RADICALS UPON UV-A IRRADIATION OF NITRATE-RICH GROUNDWATER, p. 551-554	VIONE, D.; RINALDI, E.; MINERO, C.; MAURINO, V.; OLARIU, R.I.; ARSENE, C.	Rev. Chim., 60	Nationala	0034-7752	0.389
10	Chimie	2009	STUDIES REGARDING GROUNDWATER QUALITY AT RURAL SITES: 1. ESTIMATION OF THE ANTHROPIC FACTOR IMPACT BY COMPLEMENTARY CHEMICAL ANALYSES, p. 237-240	VIONE, D.; RAVIZZOLI, B.; RINALDI, E.; PETTINATO, F.; ARSENE, C.; OLARIU, R.I.	Rev. Chim., 60	Nationala	0034-7752	0.389
11	Chimie	2009	ASSESSING THE POTENTIALITY OF ROMANIAN SURFACE WATERS TO PRODUCE HYDROXYL AND NITRITE RADICALS, p. 123-126		Rev. Chim., 60	Nationala	0034-7752	0.389
12	Chimie	2009	A NEW WAY TO GENERATE FUNCTIONALIZED BRIDGES IN [2.2]CYCLOPHANES, p. 3000-3002	BIRSA, M. L.; HOPF, H.	Synlett, 18	Internationala	0936-5214	2.659
13	Chimie	2009	SYNCHRONIZATION OF ELECTROCHEMICAL OSCILLATORS OF S-NDR TYPE, p. 383-394	BÎRZU, A.; GÁSPÁR, V.	Electrochim. Acta 55(2)	Internationala	0013-4686	3.078
14	Chimie	2009	ON THE MN(II) AND CE(III) ROLE ON THE I2 PRODUCTION IN THE SYSTEM {IO3, H2O2, H+}	NITOI, R.; BOURCEANU, G.; NEMTOI, G.	Rev. Roum. Chim.	Nationala	0035-3930	0.284
15	Chimie	2009	THE DECOMPOSITION OF HYDROGEN PEROXIDE IN THE SIMULTANEOUS PRESENCE OF THE IODATE IONS AND MN(II)	NITOI, R.; BOURCEANU, G.; NEMTOI, G.	J. Serb. Chem. Soc.	Internationala	0352-5139	0.611
16	Chimie	2009	REMOVAL OF BASIC BLUE 3 BY SORPTION ONTO WEAK ACID ACRYLIC RESIN, p. 607-614	BARSANESCU, A; BUHACEANU, R; DULMAN, V.	J. Appl. Polym. Sci., 113	Internationala	0021-8995	1.187
17	Chimie	2009	ADSORPTION OF ANIONIC TEXTILE DYE ACID GREEN 9 FROM AQUEOUS SOLUTION ONTO WEAK OR STRONG BASE ANION EXCHANGERS, p. 615-627	DULMAN, V.; SIMION, C.; BÂRSĂNESCU, A.; BUNIA, I.; NEAGU, V.	J. Appl. Polym. Sci., 113	Internationala	0021-8995	1.187
18	Chimie	2009	SILVER SORPTION ON ACRYLIC COPOLYMERS FUNCTIONALIZED WITH AMINES. EQUILIBRIUM AND KINETIC STUDIES, p. 827-835	BUHĂCEANU, R.; SÂRGHIE, I.; BÂRSĂNESCU, A.; DULMAN, V.; BUNIA, I.	Centr. Eur. J. Chem. 7(4)	Internationala	1895-1066	0.741
19	Chimie	2009	CONTRIBUTION OF THE EXTERNAL SURFACE OF TITANIUM-RICH SAND (ABOU-KHASHABA, EGYPT) IN THE URANIUM UPTAKE PROCESS, p. 811-816	TYKVA, R.; SALAH EL DIN, K.; PAVEL, C.C.; CECAL, AL.; POPA, K.	Radioanal. Nucl. Chem., 279	Internationala	0236-5731	0.669
20	Chimie	2009	USE OF BETA-RAYS ABSORPTION IN THE STUDY OF STEEL CORROSION, p. 1127-1132	CECAL, AL.; IONICA, F.; NEMTOI, GH.; POPA, K.	Rev. Roum. Chim., 54	Nationala	0035-3930	0.284
21	Chimie	2009	ON THE PROPERTIES OF NANOSTRUCTURED TITANIUM OXIDE THIN FILMS, p. 209-216	MARDARE, D.; CORNEI, N.; RUSU, I.G.	Superlattices microstruct., 46 (1-2)	Internationala	0749-6036	1.211
22	Chimie	2009	CO DOPED MANGANITES FOR MAGNETORESISTIVE SENSORS, p. 247-250	CRAUS, M.L.; LOZOVAN, M.; CORNEI, N.; DOBREA, V.; CHIRIAC, H.	Sensor Lett. 7	Internationala	1546-198X	1.16

23	Chimie	2009	A STATISTICAL STUDY ON THE THERMAL DEGRADATION OF SOME PAPERSUPPORTS (OLD DOCUMENTS), p. 544-550	PUICA, N.M.; PUI, A.; COZMA, D.; ARDELEAN, E.	Mater. Chem. Phys., 113	Internationala	0254-0584	1.799
24	Chimie	2009	STUDY ON THE ELECTRONIC TRANSPORT PROPERTIES OF SOME NEW COMPLEXES OF CU (II) WITH ASPARAGINES, ASPARTIC ACID AND THEIR DERIVATIVES, p. 1247-1250	CĂPLĂNUȘ, I.; ȘUNEL, V.; BABAN, C.I.; COZMA, D.; PUI, A.; RUSU, I.G.	Rev. chim., 60	Nationala	0034-7752	0.389
25	Chimie	2009	SORPTION OF SOME TEXTILE DYES BY BEECH WOOD SAWDUST, p. 1457-1464	DULMAN, V.; CUCU MAN, S.	J. Hazard. Mater., 162	Internationala	0304-3894	2.975
26	Chimie	2009	SYNTHESIS AND PROPERTIES OF FLUORESCENT 1,3-SUBSTITUTED MONO AND BIINDOLIZINES, p. 287-299	ROTARU, A.; DRUTA, I.; AVRAM, E.; DANAC, R.	Arkivoc, 13	Internationala	1424-6376	1.377
27	Chimie	2009	STUDY ON THE RETENTION OF URANYL IONS ON MODIFIED CLAYS WITH TITANIUM OXIDE, p. 131-136	HUMELNICU, D.; POPOVICI, E.; MITA, C.; DVININOV, E.	Radioanal. Nucl. Chem., 279 (1)	Internationala	0236-5731	0.669
28	Chimie	2009	AN EXPOSURE STUDY WITH POLYBROMINATED DIPHENYL ETHERS (PBDES) IN FEMALE EUROPEAN STARLINGS (STURNUS VULGARIS): TOXICOKINETICS AND REPRODUCTIVE EFFECTS, p. 430-436	VAN DEN STEN, E.; EENS, M.; COVACI, A.; DIRTU, A.C.; JASPERS, V.L.B.; NEELS, H.; PINXTEN, R.	Environ. Pollut., 157 (2)	Internationala	0269-7491	3.135
29	Chimie	2009	MAJOR IONIC SPECIES OF SIZE-SEGREGATED AEROSOLS AND ASSOCIATED GASEOUS POLLUTANTS AT A COASTAL SITE OF THE BELGIAN NORTH SEA, p. 670-677	HOREMANS, B.; KRATA, A.; BUCZYNSKA, A.; DIRTU, A.C.; VAN MEEL, K.; VAN GRIEKEN, R.; BENCS, L.	J. Environ. Monitor., 11	Internationala	1464-0325	1.989
30	Chimie	2009	INTER-SPECIES DIFFERENCES FOR POLYBROMINATED DIPHENYL ETHERS IN MARINE TOP-PREDATORS FROM THE SOUTHERN NORTH SEA: PART I. ACCUMULATION PATTERNS IN HARBOUR SEALS AND HARBOUR PORPOISES, p. 437-444	WEIJS, L.; DIRTU, A.C.; DAS, K.; GHEORGHE, A.; REIJNDERS, P.J.H.; NEELS, H.; BLUST, R.; COVACI, A.	Environ. Pollut. 157 (2)	Internationala	0269-7491	3.135
31	Chimie	2009	INTER-SPECIES DIFFERENCES FOR POLYBROMINATED DIPHENYL ETHERS IN MARINE TOP-PREDATORS FROM THE SOUTHERN NORTH SEA: PART II. BIOMAGNIFICATION IN HARBOUR SEALS AND HARBOUR PORPOISES, p. 445-451	WEIJS, L.; DIRTU, A.C.; DAS, K.; GHEORGHE, A.; REIJNDERS, P.J.H.; NEELS, H.; BLUST, R.; COVACI, A.	Environ. Pollut. 157 (2)	Internationala	0269-7491	3.135
32	Chimie	2009	BROMINATED FLAME RETARDANTS IN BELGIAN HOME-PRODUCED EGGS: LEVELS AND CONTAMINATION SOURCES., p. 4387-4396	COVACI, A.; ROSENS, L.; DIRTU, A.C.; WAEGENEERS, N.; VAN OVERMEIRE, I.; NEELS, H.; GOEYENS, L.	Sci. Total Environ. 407 (15)	Internationala	0048-9697	2.579
33	Chimie	2009	ATMOSPHERIC NITROGEN FLUXES AT THE BELGIAN COAST: 2004-2006, p. 3786-3798	BENCS, L.; KRATA, A.; HOREMANS, B.; BUCZYNSKA, A.J.; DIRTU, A.C.; GODOI, A.F.L.; GODOI, R.H.M.; POTGIETER-VERMAAK, S.; VAN GRIEKEN, R.	Atmos. Environ., 43 (24)	Internationala	1352-2310	2.89
34	Chimie	2009	IR, MS AND CD INVESTIGATIONS ON SEVERAL CONFORMATIONALLY-DIFFERENT PEPTIDES, p. 303-311	MURARIU, M.; DRAGAN, E. S.; DROCHIOIU, G.	Int. J. Pept. Res. Therap., 15(4)	Internationala	1573-3149	1.082
35	Chimie	2009	INTERACTION OF B-AMYLOID(1-40) PEPTIDE WITH PAIRS OF METAL IONS: AN ELECTROSPRAY ION TRAP MASS SPECTROMETRIC MODEL STUDY., p. 9-20	DROCHIOIU, G.; MANEA, M.; DRAGUSANU, M.; MURARIU, M.; DRAGAN, E. S.; PETRE, B. A.; MEZO, G.; PRZYBYLSKI, M.	Biophys. Chem., 144	Internationala	0301-4622	2.362
36	Chimie	2009	AN ELECTROSPRAY IONIZATION MASS SPECTROMETRIC STUDY OF IRON BINDING TO AMYLOID-BETA PEPTIDE, p. 651-659	DROCHIOIU, G.	Eur. J. Mass Spectrom., 15	Internationala	1469-0667	1.167
37	Chimie	2009	SYNTHETIC CYSTEINE-PEPTIDE AND ITS RELATION WITH HEAVY AND RADIOACTIVE METALS, p. 741-747	MURARIU, M.; POPA, K.; DRAGAN, E. S.; DROCHIOIU, G.	Rev. Roum. Chim., 54(8)	Nationala	0035-3930	0.284
38	Chimie	2009	CYANIDE REACTION WITH NINHYDRIN: THE EFFECT OF PH CHANGES AND UV-VIS RADIATION UPON THE ANALYTICAL RESULTS, p. 841-845	MIHAESCU, I. M.; DROCHIOIU, G.	Rev. Roum. Chim., 54(10)	Nationala	0035-3930	0.284
39	Chimie	2009	THE ASSOCIATION OF DEHYDRO-EPIANDROSTERONE AND ADENOSINE TRIPHOSPHATE ACID. A DFT STUDY OF INTERACTIONS BETWEEN PROTOTYPIC BIOLOGICALLY ACTIVE MOLECULES, p. 32-37	WEINBERG, J.; CIMPOESU, F.; LERNER, D.; HUMELNICU I.	J. Molec. Str. THEOCHEM 912 (1-3)	Internationala	0166-1280	1.167
40	Chimie	2009	STUDY ON THE INTERMOLECULAR INTERACTIONS IN RIFAMPICIN TERNARY SOLUTIONS- CALCULATION OF MICROSCOPIC PARAMETERS OF RIFAMPICIN MOLECULES, p. 51-55	NADEJDE, C.; CREANGA, D.E.; HUMELNICU, I.; FILIP, E.; DORHOI, D. O.	J. Molec. Liq. 150, Issues 1-3	Internationala	0167-7322	1.188
41	Chimie	2009	SPYROHETEROCYCLIC COMPOUNDS: OLD STORIES WITH NEW OUTCOMES, p. 7205-7208	MOLDOVEANU, C.C.; JONES, P.G.; MANGALAGIU, I.I.	Tetrahedron Lett. 50(51)	Internationala	0040-4039	2.538
42	Chimie	2009	FACILE SYNTHESIS OF PYRIDAZINONE DERIVATIVES UNDER ULTRASONIC IRRADIATION, p. 452-454	MANTU, D.; MOLDOVEANU, C.; NICOLESCU, A.; DELEANU, C.; MANGALAGIU, I.I.	Ultrason. Sonochem., 16(4)	Internationala	1350-4177	2.796
43	Chimie	2009	MICROWAVE ASSISTED REACTIONS OF SOME AZAHETEROCYCLIC COMPOUNDS, p. 403-411	ZBANCIOC, G.; BEJAN, V.; RISCA, M.; MOLDOVEANU, C.; MANGALAGIU, I.	Molecules 14	Internationala	1420-3049	1.252
44	Chimie	2009	ULTRASOUND ASSISTED REACTIONS OF STEROID ANALOGOUS OF ANTICIPATED BIOLOGICAL ACTIVITIES, p. 312-315	BEJAN, V.; MOLDOVEANU, C.; MANGALAGIU, I.	Ultrason. Sonochem., 16(3)	Internationala	1350-4177	2.796
45	Chimie	2009	DIAZINIUM SALTS WITH DIHYDROXYACETOPHENONE SKELETON: SYNTHESSES AND ANTIMICROBIAL ACTIVITY, p. 2275-2279	BALAN, A.M.; FLOREA, O.; MOLDOVEANU, C.; ZBANCIOC, GHE; IUREA, D.; MANGALAGIU, I. I.	Eur. J. Med. Chem., 44(5)	Internationala	0223-5234	2.882

46	Chimie	2009	STUDY ON THERMAL BEHAVIOR OF SOME NEW AZOMETHINES, p. 928-933	MOCANU, A.M.; ODOCHIAN, L.; MOLDOVEANU, C.; CARJA, G.; ONISCU, C.	Rev. Chim., 60(9)	Nationala	0034-7752	0.389
47	Chimie	2009	STUDY ON METAL ANODIC DISSOLUTION, p. 462-467	PETRESCU, S.; SECULA, M. S.; NEMTOI, G.; CRETESCU, I.	Rev. Chim., 60, 5	Nationala	0034-7752	0.389
48	Chimie	2009	REACTION ROUTES LEADING TO CO <sub>2</sub> AND CO IN THE BRIGGS-RAUSCHER OSCILLATOR: ANALOGIES BETWEEN THE OSCILLATORY BR AND BZ REACTIONS, p. 9102-9108	MUNTEAN, N.; SZABO, G.; WITTMANN, M.; LAWSON, T.; FÜLÖP, J.; NOSZTICZIUS, Z.; ONEL, L.	J. Phys. Chem. A 113	Internationala	1089-5639	2.871
49	Chimie	2009	IODOMALONIC ACID AS AN ANTI-INHIBITOR IN THE RESORCINOL INHIBITED BRIGGS-RAUSCHER REACTION, p. 14095-14098	LAWSON, T.; FÜLÖP, J.; WITTMANN, M.; NOSZTICZIUS, Z.; MUNTEAN, N.; SZABO, G.; ONEL, L.	J. Phys. Chem. A 113	Internationala	1089-5639	2.871
50	Chimie	2009	SOME ASPECTS CONCERNING THE U(VI) UPTAKE ON ETS-10 TITANOSILICATE, p. 19-22	PAVEL, C.C.; PAVEL, L.V.; CRETESCU, I.; POPA, K.	Rev. Chim. 60(1)	Nationala	0034-7752	0.389
51	Chimie	2009	BIOACCUMULATION OF URANIUM FROM WASTE WATER USING DIFFERENT STRAINS OF SACCHAROMYCES CEREVISIAE, p. 143-148	TYKVA, R.; NOVÁK, J.; PODRACKÁ, E.; POPA, K.	Nukleonika 54(2)	Internationala	0029-5922	0.267
52	Chimie	2009	DETERMINATION OF BA, ZR, U, TH AND REE IN SIMULATED HYDROGEOLOGICAL LEACHATS BY ICP-OES AFTER MATRIX SOLVENT EXTRACTION, p. 123-127	AYRANOV, M.; COBOS, J.; POPA, K.; RONDINELLA, V.V.	J. Rare Earths 27(1)	Internationala	1002-0721	0.53
53	Chimie	2009	TRANSLOCATION OF RADIOACTIVITY FROM SUBSTATE TO MACROMYCETES IN THE CRUCEA (ROMANIA) URANIUM MINING AREA, p. 563-567	TĂNASE, C.; PUI, A.; OPREA, A.; POPA, K.	Radioanal. Nucl. Chem. 281(3)	Internationala	0236-5731	0.669
54	Chimie	2009	CRYSTAL STRUCTURE AND THERMAL EXPANSION OF THE LOW- AND HIGH-TEMPERATURE FORMS OF BAMIV(PO <sub>4</sub> ) <sub>2</sub> (MIV = TI, ZR, HF, AND SN), p. 1115-1120	BREGIROUX, D.; POPA, K.; JARDIN, R.; RAISON, P.E.; WALLEZ, P.; QUARTON, M.; BRUNELLI, M.; FERRERO, C.; CACIUFFO, R.	J. Solid State Chem. 182	Internationala	0022-4596	1.91
55	Chimie	2009	DIRECT SPECTROSCOPIC DETECTION OF FRAMEWORK INCORPORATED VANADIUM IN MESOPOROUS SILICA MATERIALS, p. 5823-5832	ZAMANI, S.; MEYNEN, V.; HANU, A.; MERTENS, M.; POPOVICI, E.; VAN DOORSLAER, S.; COOL, P.	Phys. Chem. Chem. Phys. 11	Internationala	1463-9076	4.064
56	Chimie	2009	SYNTHESIS AND CHARACTERIZATION OF TiO <sub>2</sub> -SURFACTANT MODIFIED PILLARED ROMANIAN CLAY AND THEIR APPLICATION FOR REMOVING OF AZOIC DYES, p. 1050-1056	DVININOV, E.; POPOVICI, E.; COCHECI, L.; PODE, R.; NICA, V.; BARVINSCHI, P.	J. Hazard. Mater. 167	Internationala	0304-3894	2.975
57	Chimie	2009	SORPTION AND PHOTOCATALYTIC DEGRADATION OF AZOIC DYES ON TiO <sub>2</sub> -PILLARED MONTMORILLONITIC CLAY, p. 313-321	PODE, R.; POPOVICI, E.; VASILE, A.; COCHECI, L.; DVININOV, E.	Rev. Roum. Chim., 54(4)	Nationala	0035-3930	0.284
58	Chimie	2009	BIS(3-X, ALPHA,5-DIMETHYL SALICYLALDEHYDE)ETHYLENE DIAMINE NICKEL(II) COMPLEXES SYNTHESIS AND CHARACTERIZATION, p. 763-766	PUI, A.; PERREE-FAUVET, M.; KORRI-YOUSSOUF, H.; BREABAN, I.	REV. CHIM., 60:8	Nationala	0034-7752	0.389
59	Chimie	2009	SYNTHESIS AND BIOLOGICAL ACTIVITY OF SOME NEW 1,3,4-THIADIAZOLE AND 1,2,4-TRIAZOLE COMPOUNDS HAVING A PHENYLALANINE MOIETY, p. 2621-2631	MOISE, M.; ŞUNEL, V.; PROFIRE, L.; POPA, M.; DESBRIERES, J.; PEPTU, C.	Molecules, 14	Internationala	1420-3049	1.252
60	Chimie	2009	CHEMICAL TRANSFORMATIONS OF LANTHANIDE NITRATE COMPLEXES: SYNTHESIS AND X-RAY DIFFRACTION ANALYSIS, p. 381-388	NOVITSKII, G.; BORTA, A.; GYNZHU, D.; SHOVA, S.; FILIPPOVA, I.G.; SIMONOV, YU.A.	Russ. J. Coord. Chem. 35, No.	Internationala	1070-3284	0.534
61	Chimie	2009	SYNTHESIS, STRUCTURE AND PROPERTIES OF COMPLEX COMPOUNDS OF COBALT, NICKEL, COPPER AND ZINC WITH 2-FORMYLPYRIDINE SEMICARBAZONE, p. 1499-1503	GULYA, A.; GYNZHU, D.; BAIRAKA, N.N.; POIRIERC, D.; TSAPKOVA, V.I.	Russ. J. Gen. Chem. 79, No. 7	Internationala	1070-3632	0.47
62	Chimie	2009	NEW PYRIDAZINE DERIVATIVES: SYNTHESIS, CHEMISTRY AND BIOLOGICAL ACTIVITY, p. 2823-2829	BUTNARIU, R.; MANGALAGIU, I.I.	Bioorgan. Med. Chem., 17	Internationala	0968-0896	3.075
63	Chimie	2009	CONCOMITANT POLYMORPHISM AND CONFORMATIONAL ISOMERISM IN 4-ACETYLRESORCINOL, p. 300-302	JONES, P.; MANGALAGIU, I.I.	Acta. Cryst. C, C65	Internationala	0108-2701	0.561
64	Chimie	2009	SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF NEW AROMATIC ESTERS OF POTENTIAL INTEREST IN SUPRAMOLECULAR CHEMISTRY, p. 1021-1024	BALAN, A.M.; ZBANCIOC, GHE; BENTEAE, E.; CARJA, I.; UNGUREANU, M.; TUCHILUS, C.; MANGALAGIU, I. I.	Rev. Chim., 60(10)	Nationala	0034-7752	0.389
65	Chimie	2009	PREPARATION AND PROPERTIES OF THE COFe <sub>2</sub> O <sub>4</sub> -NB-PB(ZR,TI)O-3 MULTIFERROIC COMPOSITES PREPARED IN SITU BY GEL-COMBUSTION METHOD, p. 372-378	CIOMAGA, C.E.; GALASSI, C.;PRIHOR, F.; DUMITRU, I.; MITOSERIU, L.; IORDAN, A.R.; AIRIMIOAEI, M.; PALAMARU, M.N.;	J. ALLOYS COMP. 485 (1-2)	Internationala	0925-8388	1.51
66	Chimie	2009	IN SITU PREPARATION OF COFe <sub>2</sub> O <sub>4</sub> -PB(ZRTI)O-3 MULTIFERROIC COMPOSITES BY GEL-COMBUSTION TECHNIQUE, p. 2807-2813	IORDAN, A.R.;AIRIMIOAEI, M.;PALAMARU, M.N.; GALASSI, C.; SANDU, A.V.; CIOMAGA, C.E.;PRIHOR, F.; MITOSERIU, L.; IANCULESCU, A.	J. EUR. CERAM. SOC. 29 (13)	Internationala	0955-2219	1.58
67	Chimie	2009	NEW CONJUGATES BASED ON POLYSACCHARIDES AND AMINOACID DERIVATIVES, p. 611-613	IANCU, M.N.; POPA, M.; SUNEL, V. ;HAMAIDE, T.	REV. ROUM. CHIM. 54(7)	Nationala	0035-3930	0.284
68	Chimie	2009	ELECTRICAL D.C. CONDUCTION MECHANISM IN SOME NEWLY SYNTHESIZED MONO- AND DIPYRIDINE QUATERNARY SALTS IN THIN FILMS, p. 1831-1836	LEONTIE, L.; DRUTA, I.; FURDUI, B.; NICA, V.; RUSU, G.I.	SYNTH. MET. 159 (17-18)	Internationala	0379-6779	1.962
69	Chimie	2009	ELECTRONIC TRANSPORT PROPERTIES OF SOME NEW MONOQUATERNARY SALTS, p. 642-648	LEONTIE, L.; DRUTA, I.; ROTARU, A.; APETROAEI, N.; RUSU, G.I.	SYNTH. MET. 159 (7-8)	Internationala	0379-6779	1.962

Proiecte internationale

Nr.crt.	Facultate	Tip proiect	Nr contract	Titlul contractului	Numele directorului de proiect	Valoarea contractata in 2009 EUR	Valoarea contractata in 2009 lei	Echipa de cercetare (ex. 2 prof., 3 drd, 2 masteranzi, etc)	Obiective
1	Chimie	FP 7 European reintegration grant	FP-7-MERG-CT-2007-203934	Intensive characterization of atmospheric aerosols in the north-eastern Romania at various urban sites (ICAARUS)	Cecilia Arsene	15,000	0		
2	Chimie	NATO collaborative linkage grant	ESP.EAP.ARW.98258/2007	Chemical composition of atmospheric aerosols in the north-eastern Romania	Cecilia Arsene	10,000	0		
3	Chimie	FLNP-JINR Dubna		MAGNETIC/CRYSTALLINE STRUCTURE OF SOME (LN, LN') <sub>1</sub> -XALKXMN <sub>1</sub> -XTXO <sub>3</sub> MANGANITES (LN, LN' – RARE EARTH, T- TRANSITION METAL)	Nicoleta Cornei		3720		
4	Chimie	ECO-NET	18825 VB/2008	Synthèse et contrôle de la stœchiométrie en oxygène de nouveaux oxydes magnétiques ; microstructure et applications pour l'énergie	Nicoleta Cornei	3,900	0		
5	Chimie	ERA NET	MNT 7-014	SootSens - Soot Sensors for a healthy Environment (transnational)	Eveline Popovici	66,000	0		
6	Chimie	EGIDE Trilateral RO-Franta-Moldova	18896UC	Catalyseurs Hybrides Métalloproteiques d'Oxydation Sélective	Aurel Pui	10000	0		
7	Chimie	Research Networking Programme		Functional Dynamics in Complex Chemical and Biological Systems (FuncDyn)	Lavinia Onel	2,000	0		
8	Chimie	FP7- People-2009-IRSES	246902/2009	PHOTOCATALYTIC CLUSTERS COMPLEXES FOR ARTIFICIAL PHOTOSYNTHESIS APPLICATIONS	Ionel Mangalagiu	0	0		

**Proiecte nationale**

Nr.crt.	Fac	Tip proiect	Nr contract	Titlul contractului	Numele directorului de proiect	Valoarea contractata in 2009 lei	Echipa de cercetare (ex. 2 prof., 3 drd, 2	Obiective
1	Chimie	Idei	452 (ID_2643)	SINTEZA SI INVESTIGAREA DOMENIILOR DE APLICABILITATE ALE UNOR NOI DERIVATI FENOTIAZINICI	Dalila Belei	100,212		
2	Chimie	Idei	456 (ID_2095)	INTERACTIUNI INTRAMOLECULARE IN [2.2]PARACICLOFANI PSEUDO-GEMINAL SUBSTITUITI	Mihail Lucian Birsa	116,615		
3	Chimie	Idei	458 (ID_2219)	STUDIUL TEORETIC AL UNOR SISTEME ELECTROCHIMICE COMPLEXE CU CARACTER NELINIAR	Adrian Birzu	87,448		
4	Chimie	Idei	478 (ID_2023)	SINTEZA DE NOI CALIXARENE SUBSTITUITE LA RAMA INFERIOARA CU SUBSTITUENTI CARE CONTIN DERIVATI DE BIPRIDILI SI FENANTROLINE, STUDIUL PROPRIETATILOR ACESTORA SI A POTENTIALELOR APLICATII	Ramona Danac	114,496		
5	Chimie	Idei	484 (ID_2225)	DECONTAMINAREA MEDIULUI DE METALE GRELE SI RADIOACTIVE CU BIOPOLIMERI SI ANALOGI AI ACESTORA	Gabi Drochioiu	91,912		
6	Chimie	Idei	504 (ID_88)	CHEMOSENZORI CU SCHELET MACROCICLIC	Ionel Mangalagiu	98,477		
7	Chimie	Idei	9/28.09.07 (ID_405)	CERCETARI PRIVIND RETINEREA UNOR RADIONUCLIZI DIN MEDIU PE SORBENTI HETEROPOLIOXOMETALATI IN SCOPUL DETEMINARII LOR PRIN CROMATOGRAFIE IONICA	Romeo Olariu	177,691		
8	Chimie	Parteneriate	32-173	MEMBRANE MICROBIOLOGICE ŞI POLIMERI SINTETICI BIOCOMPATIBILI CU POTENŢIALE APLICAŢII LA ÎNDEPĂRTAREA METALELOR GRELE ŞI RADIOACTIVE DIN MEDIU	Gabi Drochioiu	50,280		
9	Chimie	Parteneriate	31-017	INVESTIGAREA, MONITORIZAREA SI DECONTAMINAREA CHIMICA SI (MICRO)BIOLOGICA A POLUANTILOR ORGANICI MAJORI DE TIPUL DINITROFENOL-DERIVATILOR DIN MEDIUL AMBIANT	Gabi Drochioiu	76,510		
10	Chimie	Parteneriate	21-074	TEHNOLOGIE NOUA DE SEPARARE A URANIULUI PRIN EXTRACTIE CU SOLVENTI IN CAMP DE ULTRASUNETE CU IMPACT BENEFIC ASUPRA REDUCERII CONTAMINARII CU URANIU A AREALULUI INCONJURATOR	Raluca Iordan	16,945		
11	Chimie	Parteneriate	11-072	SISTEME DE DETECŢIE PE BAZA DE NANOFIRE METALICE MULTISTRAT PENTRU APLICAŢII BIOMEDICALE	Gheorghe Nemtoi	18,511		
12	Chimie	Parteneriate	31-093	CERCETARI PRIVIND UTILIZAREA BARIERELOR REACTIVE LA TRATAREA APELOR REZIDUALE REZULTATE LA UZINELE DE PROCESARE A MINEREURILOR URANIFERE	Mircea Nicolae Palama	19,200		

**Manifestari stiintifice organizate de facultate**

<b>Nr. crt.</b>	<b>Facultate</b>	<b>Interval de derulare, locație</b>	<b>Titlul manifestării</b>	<b>Tip manifestare: congres, conferință, simpozion, atelier, seminar, expoziție, școală de vară, masă rotundă</b>	<b>Clasificare: locală/națională/națională cu participare internațională/internațională</b>	<b>Organizator</b>
1	CHIMIE	30-31.10.2009, Universitatea Al. I. Cuza, Iasi	Sesiunea de comunicari stiintifice "Zilele Universitatii", sectia chimie	Conferinta	locala	Facultatea de Chimie
2	CHIMIE	9 mai 2009, Universitatea Al. I. Cuza, Iasi	A XXXVIII – A SESIUNE NAȚIONALĂ METODICO-ȘTIINȚIFICĂ "Metode și mijloace de învățământ pentru chimie"	Conferinta	locala	Facultatea de Chimie

Personal <b>permanent</b> angajat			Personal cu angajament <b>temporar</b>		
grad didactic	numar	echivalent norma de cercetare	grad didactic	numar	echivalent norma de cercetare
prof.	12		prof.		
conf.	11		conf.		
lect.	16		lect.		
asist.	5		asist.		
prep.	1		prep.		
CS I			CS I		
CS II			CS II		
CS III			CS III		
CS			CS		
ACS			ACS		
drd	44		drd		
masteranzi	130		masteranzi		
studenti	313		studenti		
alte categorii			alte categorii		

## Scurta prezentare a entității:

**Misiune:** Misiunea Facultății de Chimie este într-o strânsă conexiune cu definiția chimiei ca știință fundamentală a naturii. Chimia studiază proprietățile chimice ale substanțelor naturale și transformarea acestora în alte substanțe cu proprietăți noi, în acord cu scopul urmărit. Pe plan didactic, misiunea Facultății de Chimie este de a asigura o pregătire fundamentală studenților pentru înțelegerea fenomenelor chimice și a legilor ce guvernează aceste fenomene. Pe planul cercetării științifice, misiunea Facultății de Chimie este de a produce rezultate de cercetare de vizibilitate internațională în domeniu și de a atrage într-o măsură cât mai mare fonduri de cercetare naționale și internaționale. Astfel, scopul final reprezintă integrarea facultății în curentul principal al cercetării științifice internaționale.

**Domenii de cercetare:**

1. Sinteza și caracterizarea unor compuși anorganici și bioanorganici cu proprietăți speciale;
2. Radiochimie;
3. Chimia analitică a mediului;
4. Optimizarea proceselor de separare și concentrare a unor elemente din matrice complexe utilizând schimbători ionici;
5. Chimia heterociclicilor cu azot și a azot - ilidelor;
6. Chimie supramoleculară;
7. Reacții chimice în condiții neclasice: microude și ultrasunete;
8. Chimie toxicologică;
9. Structura și reactivitatea sistemelor moleculare;
10. Dinamica sistemelor chimice și electrochimice complexe;
11. Caracterizarea sistemelor polimerice în soluție și în stare solidă. Tranziții de fază în sisteme polimerice, anorganice și compozite;
12. Materiale nanostructurate: sinteză, caracterizare și utilizare în fotocataliza de mediu