

Titlu proiect: Investigarea sistemelor coloidale micro- si nanostructurate cu ajutorul polimerilor grefati cu fluorofori si sondelor fluorescente

Categoria de proiect: PN II – IDEI/Proiecte de Cercetare Exploratorie PCE 2011

Contractul de finanțare: 177/2011

Manager proiect: Dr. Dan-Florin Anghel

Lista rezultate

Nr. crt.	NUME AUTORI	TITLUL ARTICOLULUI/ CĂRȚII/ COMUNICĂRII ȘTIINȚIFICE	REVISTA / VOLUMUL/EDITURA IN CARE A APARUT / CONFERINTA LA CARE S-A COMUNICAT	ANUL PUBLICĂRII/ COMUNICĂRII
ARTICOLE ISI				
1	M.E. Maxim, G. Stîngă, A. Băran, A. Iovescu, D.F. Anghel	Probing the micelle/water interface by non-radiative energy transfer	Revue Roumaine de Chimie, 57, 863-869	2012
2	A. Iovescu, M. Gosecka, T. Basinska, A. Băran, G. Stîngă, S. Slomkowski, D.F. Anghel	Spectroscopical properties of DTAF-labeled hydrophilic-hydrophobic copolymer in water and surfactant micelles	Dyes and Pigments, 97, 347-352	2013
3	M. Balcan, F.C. Mihăilescu, D.F. Anghel, I.C. Văcăreșteanu, L. Aricov, E.L. Vasilescu	Microemulsion systems containing diesel and colza oil as alternative fuels: Phase studies, interfacial tension and solubilization	Fuel, 117, 251-258	2014
4	A. Băran, G. Stîngă, D.F. Anghel, A. Iovescu, M. Tudose	Comparing the spectral properties of pyrene as free molecule, label and derivative in some colloidal systems	Sensors and Actuators B, 197, 193-199	2014
5	E.L. Vasilescu, M. Balcan, G. Stîngă, A. Băran, I.C. Văcăreșteanu, L. Aricov, D.F. Anghel	A micellar decontamination strategy for removal of polycyclic aromatic hydrocarbons from environment	Acceptata la Environmental Engineering and Management Journal	2014
6	F.A. Jerca, V.V. Jerca, D.F. Anghel, G. Stîngă, G. Marton, D.S. Vasilescu, D.M. Vuluga	Novel aspects regarding the photochemistry of azo-derivatives substituted with strong acceptor groups	Journal of Physical Chemistry C, 119, 10538-10549	2015
7	G. Coneac, V. Vlaia, I. Olariu, A.M. Muț, D.F. Anghel, C. Ilie, C. Popoiu, D. Lupuleasa, L. Vlaia	Development and evaluation of new microemulsion-based hydrogel formulations for topical delivery of fluconazole,	AAPS Pharm. Sci. Tech., 16, 889-904	2015
8	S. Peretz, D.F. Anghel, E. Vasilescu, M. Florea-Spiroiu, C. Stoian, G. Zgherea	Synthesis, characterization and adsorption properties of alginate porous beads	Polymer Bulletin, 72, 3169-3182	2015
9	A. Iovescu, A. Băran, G. Stîngă, A.R. Cantemir-Leontieș, M.E. Maxim, D.F. Anghel	A combined binding mechanism of nonionic ethoxylated surfactants to bovine serum albumin revealed by fluorescence and circular dichroism	Journal of Photochemistry & Photobiology, B: Biology, 153, 198-205	2015
10	L. Aricov, A. Băran, E.L. Simion, I.C. Gîfu, D.F. Anghel, V.V. Jerca, D.M. Vuluga	New insights into the self-assembling of some hydrophobically modified polyacrylates in aqueous solution	Colloid and Polymer Science, 294, 667-679	2016

11	E.L. Simion, G. Stîngă, A. Băran, L. Aricov, I.C. Gifu, D.F. Anghel	Smart borax complexes starting from anionic surfactant in association with unlabeled or fluorescently labeled poly(acrylic acid)s	Colloid and Polymer Science, 294, 927-939	2016
12	G. Stîngă, M.E. Maxim, A. Iovescu, D.E. Mihăilescu, A. Băran, A.R. Leontieș, M. Balcan, D.F. Anghel	NRET - A rapid method to investigate the water-oil interface in reverse micellar systems	Journal of Molecular Liquids, 214, 283-292	2016
13	G. Stîngă, A. Băran, A. Iovescu, E.L. Simion, L. Aricov, D.F. Anghel	Self-aggregation of the pyrene labeled poly(acrylic acid) in nanoscopically crowded environments	Journal of Photochemistry & Photobiology, A: Chemistry, 328, 33-41	2016
14	I.C. Gifu, M.E. Maxim, A. Iovescu, E.L. Simion, L. Aricov, M. Anastasescu, C. Munteanu, D.F. Anghel	Surface hydrophobization by electrostatic deposition of hydrophobically modified poly(acrylates) and their complexes with surfactants	Applied Surface Science, 371, 519-529	2016
15	L. Aricov, H. Petkova, D. Arabadzhieva, A. Iovescu, E. Mileva, K. Khristov, G. Stîngă, C.F. Mihăilescu, D.F. Anghel, R. Todorov	Aqueous solutions of associative poly(acrylates): Bulk and interfacial properties	Colloids and Surfaces A: Physicochemical Engineering Aspects, 505, 138-149	2016
CAPITOLE DE CARTE				
1	S. Peretz, D.F. Anghel, E.L. Simion, M. Ruse, C. Stoian, M. Elisa, I. Feraru	Preparation of Fe ₃ O ₄ magnetic nano and micro-particles coated with polymers	in M. Zaharescu, H. Chiriac, D. Dascălu (Eds.) Nanomaterials, Nanoparticles, Nanodevices, Editura Academiei Române, București, pp. 9-31. ISBN: 978-973-27-2643-3	2016
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CARTI				
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COMUNICARI STIINTIFICE NATIONALE				
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COMUNICARI STIINTIFICE INTERNATIONALE				
1	A. Iovescu, M. Gosecka, T. Basinska, A. Băran, G. Stîngă, S. Slomkowski, D.F. Anghel	Assessing the properties of a DTAF-labeled hydrophilic-hydrophobic copolymer in water and surfactant micelles	26th Conference of the European Colloid and Interface Society, Lund, Sweden	September 2-7, 2012
2	A. Băran, G. Stîngă, D.F. Anghel, A. Iovescu, C. Mihăilescu, M. Tudose, P. Ioniță	Comparing the spectral properties of pyrene probe, label and derivative in the presence of a nonionic surfactant	4th EuCheMS Chemistry Congress, Prague, Czech Republic	August 26-30, 2012
3	G. Stîngă, A. Băran, A. Iovescu, M. Maxim, D.F. Anghel	Salt-induced effect upon the proximity between the pyrene labeled poly(acrylic acid) and sodium dodecyl sulfate micelles	4th EuCheMS Chemistry Congress, Prague, Czech Republic	August 26-30, 2012
4	S. Peretz, A. Băran, D.F. Anghel, M. Florea-Spiroiu, A. Iovescu, G. Stîngă, M. Maxim	Biopolymeric microparticles synthesized by interaction of chitosan with anionic surfactants	4th EuCheMS Chemistry Congress, Prague, Czech Republic	August 26-30, 2012
5	G. Stîngă, M.E. Maxim, A. Iovescu, A. Băran, C. Ilie, D.F. Anghel	A spectroscopic study of methylene blue solubilization in reverse micellar systems	10th Conference on Colloid Chemistry, Budapest, Hungary	August 29-31, 2012

6	C. Ilie, C.F. Mihăilescu, M.E. Maxim, D.F. Anghel	Photophysical properties of pyrene-labeled poly(acrylic acid) in aqueous solution. Effect of pH, ionic strength and cationic surfactant	10th Conference on Colloid Chemistry, Budapest, Hungary	August 29-31, 2012
7	D.F. Anghel	Fluorescence as a means to investigate self-assembled systems	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
8	A.R. Cantemir, A. Iovescu, G. Stîngă, D.F. Anghel	Effect of C ₁₄ (EO) ₁₀ and fluorescently labeled PAA upon the secondary structure of BSA	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
9	L. Aricov, A. Băran, M. Balcan, C.F. Mihăilescu, D.F. Anghel	Aggregation behavior of hydrophobically modified polyacrylates in aqueous solutions. A viscosity and fluorescence study	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
10	E.L. Vasilescu, M. Balcan, G. Stîngă, A. Băran, I.C. Văcăreșteanu, D.F. Anghel	Determination of critical micelle concentration by capillary electrophoresis using a fluorescent dye	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
11	A. Iovescu, A. Băran, D.F. Anghel, S. Saito, G. Stîngă	Assessing the hydrophobic microdomains in poly(methacrylic acid)-surfactant solutions	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
12	C.F. Mihăilescu, C. Ilie, M.E. Maxim, M. Balcan, D.F. Anghel	The effect of pH, ionic strength and cationic surfactant on pyrene-labeled poly(acrylic acid) in aqueous solution	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
13	A. Băran, G. Stîngă, D.F. Anghel, A. Iovescu, C.F. Mihăilescu, M. Tudose, P. Ioniță	Comparing the spectral properties of pyrene as such, as label and derivative in the presence of nonionic surfactant and nonionic surfactant-polyelectrolyte systems	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
14	C. Ilie, A.R. Cantemir, A. Băran, D.F. Anghel	Spectroscopic and molecular modelling studies on pyrene-labeled polyelectrolyte-bovine serum albumin systems	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
15	A. Iovescu, E. Mileva, K. Khristov, G. Stîngă, B. Soklev, H. Petkova, C.F. Mihăilescu, D.F. Anghel, R. Todorov, L. Aricov	Viscoelastic properties of hydrophobically modified polyacrylates in thin liquid films and bulk solution	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
16	M.E. Maxim, G. Stîngă, A. Iovescu, A. Băran, D.F. Anghel	The effect of ethoxylated nonionic surfactants on pyrene-labeled polymers	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
17	G. Stîngă, A. Băran, A. Iovescu, M. Maxim, M. Balcan, E.L. Vasilescu, D.F. Anghel	Photophysics of pyrene labeled poly(acrylic acid) confined into nonaqueous micellar media	11th Conference on Colloid and Surface Chemistry, Iași, Romania	May 9-11, 2013
18	L. Aricov, A. Băran, A. Iovescu, M. Balcan, E.L. Vasilescu, I.C. Văcăreșteanu, C.F. Mihăilescu, D.F. Anghel	The behavior of some hydrophobically modified polyacrylates in aqueous solutions	International Conference of Physical Chemistry - ROMPHYSICHEM 15, Bucharest, Romania	September 11-13, 2013
19	A. Băran, G. Stîngă, D.F. Anghel, A. Iovescu, C.F. Mihăilescu, M. Tudose, P. Ioniță	The behavior of pyrene as such, label and derivative in some colloidal systems	International Conference of Physical Chemistry - ROMPHYSICHEM 15, Bucharest, Romania	September 11-13, 2013

20	A. Iovescu, E. Mileva, K. Khristov, G. Stîngă, B. Soklev, H. Petkova, C.F. Mihăilescu, D.F. Anghel, R. Todorov, L. Aricov	Associative polyacrylates in thin liquid films and bulk	International Conference of Physical Chemistry - ROMPHYSICHEM 15, Bucharest, Romania	September 11-13, 2013
21	M.E. Maxim, G. Stîngă, A. Băran, A. Iovescu, F.C. Mihăilescu, C. Văcăreşteanu, D.F. Anghel	Layer-by-layer (LbL) depositions and the non-radiative energy transfer (NRET) in multistructures of fluorophore grafted polymers	International Conference of Physical Chemistry - ROMPHYSICHEM 15, Bucharest, Romania	September 11-13, 2013
22	F.C. Mihăilescu, C. Ilie, M. Maxim, M. Balcan, D.F. Anghel	Response of fluorescently-labeled poly(acrylic acid) to external stimuli	International Conference of Physical Chemistry - ROMPHYSICHEM 15, Bucharest, Romania	September 11-13, 2013
23	G. Stîngă, A. Băran, A. Iovescu, M. Maxim, D.F. Anghel	Pyrene labeled poly(acrylic acid) probing the AOT reverse micelles	International Conference of Physical Chemistry - ROMPHYSICHEM 15, Bucharest, Romania	September 11-13, 2013
24	L. Aricov, A. Băran, E.L. Vasilescu, I.C. Văcăreşteanu, D.F. Anghel	Rheological and fluorescence behavior of hydrophobically modified polyacrylates in aqueous solutions	International Conference of Polymers and Organic Chemistry, Timişoara, Romania	June 10-13, 2014
25	E.L. Vasilescu, G. Stîngă, S. Peretz, I.C. Văcăreşteanu, L. Aricov, D.F. Anghel	The use of hydrophobically modified polyacrylic acid for silver nanoparticles synthesis	International Conference of Polymers and Organic Chemistry, Timişoara, Romania	June 10-13, 2014
26	I.C. Văcăreşteanu, M. Maxim, E.L. Vasilescu, L. Aricov, D.F. Anghel	Layer-by-layer fabrication of superhydrophobic coatings	International Conference of Polymers and Organic Chemistry, Timişoara, Romania	June 10-13, 2014
27	L. Aricov, A. Băran, E.L. Vasilescu, I.C. Văcăreşteanu, D.F. Anghel	Aqueous solution behavior of hydrophobically modified polyacrylates	XIème Colloque Franco-Roumain sur les Polymères, Piteşti, Romania	27-29 août, 2014
28	I.C. Văcăreşteanu, M.E. Maxim, E.L. Vasilescu, L. Aricov, D.F. Anghel	Hydrophobic layer-by-layer coatings from polyelectrolyte complexes	XIème Colloque Franco-Roumain sur les Polymères, Piteşti, Romania	27-29 août, 2014
29	E.L. Vasilescu, G. Stîngă, S. Peretz, I.C. Văcăreşteanu, L. Aricov, D.F. Anghel	Silver nanoparticles obtained using hydrophobically modified polyacrylates	XIème Colloque Franco-Roumain sur les Polymères, Piteşti, Romania	27-29 août, 2014
30	D.F. Anghel	Spectroscopic studies of self-assembled systems containing polymers, surfactants and their mixtures	6th International Workshop "Advanced optical and X-ray characterization techniques of multifunctional materials for information and communication technologies, health and renewable energy applications", Bucharest, Romania	September 10-12, 2014
31	E. Mileva, A. Iovescu, G. Stîngă, D. Arabadzhieva, H. Petkova, K. Khristov, C.F. Mihăilescu, D.F. Anghel, R. Todorov, L. Aricov	Aqueous solutions of hydrophobically modified poly(acrylic acid)s	15th Conference of the International Association of Colloid and Interface Scientists, Mainz, Germany	May 24-29, 2015
32	H. Petkova, D. Arabadzhieva, A. Iovescu, E. Mileva, K. Khristov, G. Stîngă, C.F. Mihăilescu, D.F. Anghel, R. Todorov, L.	Aqueous solutions of hydrophobically modified poly(acrylic acid)s: adsorption layers and foam films properties	6th Bubble and Drop Interfaces Conference, Potsdam, Germany	July 6-10, 2015

	Aricov			
33	L. Aricov, A. Băran, E.L. Simion, I.C. Gîfu, D.F. Anghel	Fluorescence investigation of hydrophobically modified polyacrylates in aqueous solution and in the presence of surfactants	International Symposium on Amphiphilic Polymers, Network, Gels and Membranes (APNGM15), Budapest, Hungary	August 30-September 2, 2015
34	E.L. Simion, G. Stîngă, A. Băran, L. Aricov, I.C. Gîfu, D.F. Anghel	Borax effect upon the association of hydrophobically modified poly(acrylic acid) and sodium dodecyl sulfate	International Symposium on Amphiphilic Polymers, Network, Gels and Membranes (APNGM15), Budapest, Hungary	August 30-September 2, 2015
35	E.L. Simion, G. Stîngă, A. Băran, L. Aricov, I.C. Gîfu, D.F. Anghel	Smart complexes between unlabeled and fluorescently labeled polymer and anionic surfactant	Dotchi Exerova Symposium "Smart and Green Interfaces: Fundamentals and Diagnostics" – COST Action MP1106: "Smart and Green Interfaces - From Single Bubbles and Drops to Industrial, Environmental and Biomedical Applicatons (SGI)", Sofia, Bulgaria	October 28-31, 2015
36	I.C. Gîfu, M.E. Maxim, E.L. Simion, L. Aricov, M. Anastasescu, C. Munteanu, M. Gartner, A. Iovescu, G. Stinga, D.F. Anghel	Towards superhydrophobic architectures of hydrophobically modified polyacrylates (HMPA) and HMPA-surfactant complexes by layer-by-layer (LbL) deposition	Dotchi Exerova Symposium "Smart and Green Interfaces: Fundamentals and Diagnostics" – COST Action MP1106: "Smart and Green Interfaces - From Single Bubbles and Drops to Industrial, Environmental and Biomedical Applicatons (SGI)", Sofia, Bulgaria	October 28-31, 2015
37	A. Iovescu, G. Stîngă, A. Băran, A.R. Cantemir-Leontieș, M.E. Maxim, D.F. Anghel	Exploring the interaction of bovine serum albumin with biocompatible nonionic surfactants	Dotchi Exerova Symposium "Smart and Green Interfaces: Fundamentals and Diagnostics" – COST Action MP1106: "Smart and Green Interfaces - From Single Bubbles and Drops to Industrial, Environmental and Biomedical Applicatons (SGI)", Sofia, Bulgaria	October 28-31, 2015
38	H. Petkova, D. Arabadzhieva, A. Iovescu, E. Mileva, K. Khristov, G. Stinga, C.F. Mihailescu, D.F. Anghel, R. Todorov, L. Aricov	Surface properties of aqueous solutions of hydrophobically modified polyacrylic acids	Dotchi Exerova Symposium "Smart and Green Interfaces: Fundamentals and Diagnostics" – COST Action MP1106: "Smart and Green Interfaces - From Single Bubbles and Drops to Industrial, Environmental and Biomedical Applicatons (SGI)", Sofia, Bulgaria	October 28-31, 2015
39	I.C. Gîfu, M.E. Maxim, E.L. Simion, L. Aricov, M. Anastasescu, C. Munteanu, M. Gartner, D.F. Anghel	Superhydrophobic architectures of hydrophobically modified polyacrylates (HMPA) and	7th International Workshop "Advanced optical and X-ray characterization	September 16-18, 2015

		HMPA-surfactant complexes by layer-by-layer (LbL) deposition	techniques of multinational materials for information and communication technologies, health and renewable energy applications”, “Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest, Romania	
40	D.F. Anghel, M. Balcan, M.E. Maxim, F.C. Mihăilescu	Microemulsions from enhanced oil recovery to hybrid engine fuels: An overview	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
41	L. Aricov, A. Băran, E.L. Simion, I.C. Gîfu, D.F. Anghel	Fluorescence investigation of hydrophobically modified polyacrylates in aqueous solution and in the presence of surfactants	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
42	M. Balcan, F.C. Mihăilescu, M.E. Maxim, I.C. Gîfu, D.F. Anghel	Water-in-oil microemulsions of diesel and diesel-rape seed oil as alternative fuels. Phase behavior, interfacial tension, solubilization and structural investigations	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
43	A. Băran, L. Aricov, D.F. Anghel	Aggregation of some hydrophobically modified polyacrylates in aqueous solution	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
44	I.C. Gîfu, A. Iovescu, M.E. Maxim, E.L. Simion, L. Aricov, D.F. Anghel	Hydrophobization of glass surface by electrostatic deposition of alkyl-grafted poly(acrylates)-surfactant complexes	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
45	A. Iovescu, A. Băran, G. Stîngă, A.R. Leontieș, M.E. Maxim, D.F. Anghel	New aspects of the binding of ethoxylated nonionic surfactants to serum albumins revealed by spectroscopic techniques	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
46	A.R. Leontieș, G. Stîngă, A. Răducan, D.F. Anghel	Osmolytes effect on the structure and kinetics of candida rugosa lipase encapsulated in reverse micelles	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
47	M.E. Maxim, G. Stîngă, A. Iovescu, D.E. Mihăilescu, A. Băran, A.R. Leontieș, M. Balcan, D.F. Anghel	The influence of several parameters upon the behavior of pyrene labeled poly(acrylic acid) in AOT reverse micelle as revealed by NRET	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
48	F.C. Mihăilescu, M. Balcan, D.F. Anghel, L. Aricov, E.L. Simion, I. Contineanu, D. Gheorghe, S. Tănăsescu	Fuel characteristics of water-in-oil microemulsions based on diesel and diesel-rape seed oil. Rheological, structural and combustion studies	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
49	E.L. Simion, G. Stîngă, A. Băran, L. Aricov, I.C. Gîfu, D.F. Anghel	Borax complexes starting from anionic surfactant in association with unlabeled or fluorescently labeled poly(acrylic acid)s	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016

50	G. Stîngă, A. Băran, A. Iovescu, E.L. Simion, L. Aricov, D.F. Anghel	Fluorescently labeled poly(acrylic acid) in confined microenvironments	12th International Conference on Colloid and Surface Chemistry (12th ICCSC), Iași, Romania	May 16-18, 2016
51	E Mileva, H. Petkova, D. Arabadzhieva, A. Iovescu, K. Khristov, G. Stîngă, C.F. Mihăilescu, D.F. Anghel, R. Todorov, L. Aricov	Aqueous solutions of hydrophobically modified polyacrylic acids: Polymer chain's length effect	30th Conference of The European Colloid and Interface Society, Rome, Italy	September 1-9, 2016
52	L. Aricov, A. Băran, E.L. Simion, I.C. Gîfu, D.F. Anghel	Pyrene behavior in hydrophobically modified sodium polyacrylates without and with surfactants systems	International Conference of Physical Chemistry - ROMPHYSICHEM 16, Galați, Romania	September 21-23, 2016
53	A. Băran, L. Aricov, E.L. Simion, D.F. Anghel	Self-association of some hydrophobically modified sodium polyacrylates in aqueous solution		
54	E.L. Simion, G. Stîngă, A. Băran, L. Aricov, I.C. Gîfu, D.F. Anghel	The effect of borax upon sodium dodecyl sulfate - poly(acrylic acid) association		
55	A.R. Leontieș, G. Stîngă, A. Răducan, D.F. Anghel	Structure and kinetics of candida rugosa lipase encapsulated in reverse micelles		
ATLASE, DICTIONARE DE SPECIALITATE				
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CERERI BREVET DE INVENTII/BREVET OBTINUT				
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Lista achizițiilor realizate în cadrul proiectului

Denumire echipament	Categorie de achiziții*: (numai mijloace fixe)	Valoarea (lei)	Locație
Agitator magnetic cu incalzire HS 7 IKA, cu sonda de temperatura si cu accesorii de prindere	Cheltuieli de capital: Imobilizari corporale	2430,40	Camera 116
Agitator magnetic HI 190	Cheltuieli de capital: Imobilizari corporale	636,95	Camera 116
Filtru-Exhaust filter for vacuum pump RZ - 2.5 (125302), cod 125501	Cheltuieli de capital: Imobilizari corporale	2126,87	Camera 116
Balanta electronica, 2000 G	Cheltuieli de capital: Imobilizari corporale	1329,28	Camera 117
Baie de racire CB 18 - 40, dimensiunile 410x450x460 MM	Cheltuieli de capital: Imobilizari corporale	24534,4	Camera 128
Rotator pentru baia de racire CB 18-40	Cheltuieli de capital: Imobilizari corporale	7736,68	Camera 128
Sistem protectie solventi cu UV (SOLARIS)	Cheltuieli de capital: Imobilizari corporale	5307,91	Camera 116
Calculator HP Pro 3500 MT Business PC, cod QB293EA (3 buc.)	Cheltuieli de capital: Imobilizari corporale	8257,51	Camera 97
Monitor HP 2011 x 20" LED Backlit LCD, cod LV876AA (3 buc.)	Cheltuieli de capital: Imobilizari corporale	2135,84	Camera 97
Laptop HP 4540s Intel Core i5-2450M, cod B6M86EA (3 buc.)	Cheltuieli de capital: Imobilizari corporale	10662,45	Camerele 74, 117
Pompa cu seringă cu debit variabil, model R99-E	Cheltuieli de capital: Imobilizari corporale	5875,12	Camera 116

Degazor de sticla ptr. Filtrare solventi 3150-0577	Cheltuieli de capital: Imobilizari corporale	3188,04	Camera 116
C11924-201 Unitate control LED	Cheltuieli de capital: Imobilizari corporale	4625,20	Camera 116
L11921-410 Modul LED	Cheltuieli de capital: Imobilizari corporale	8971,40	Camera 116
RIo2 Inel platina-iridiu pt. un volum de 1 ml proba, cu vas	Cheltuieli de capital: Imobilizari corporale	4318,92	Camera 116
PLo3 Bagheta platina pt. volume foarte mici de proba, cu vas	Cheltuieli de capital: Imobilizari corporale	4318,92	Camera 116
Pompa RZ 2.5, 9880123	Cheltuieli de capital: Imobilizari corporale	11290,20	Camera 116
Antivirus Kaspersky WorkSpace Security EEMEA Edition. 10-14 user 3 year Public Sector License, cod KL4851OAKT (10 buc)P	Cheltuieli de capital: Imobilizari necorporale	1962,05	Camerele 74, 97, 116,117
Microsoft Office Home and Business 2010 English PC Attach Key PKC Microcase, cod T5D-00295 (6 buc)	Cheltuieli de capital: Imobilizari necorporale	7366,20	Camerele 74, 97, 116,117
Senzor de vacuum VSP 62 MV	Cheltuieli de capital: Imobilizari corporale	3992,80	Camera 128
Senzor de vacuum VSP 62 MV	Cheltuieli de capital: Imobilizari corporale	3992,80	Camera 128
Agitator magnetic cu incalzire C-MAG-HS7	Cheltuieli de capital: Imobilizari corporale	2626,32	Camera 117
HyperChem Release 8.0 Profesional	Cheltuieli de capital: Imobilizari necorporale	6480,00	Camera 117

Director proiect,

Dr. Dan-Florin Anghel