

Titlu proiect: Studiul gelurilor având în componență ciclodextrine prin spectroscopie RES :
structura , proprietăți , aplicații

Categoria de proiect: IDEI - PN-II-ID-PCE-2011-3-0328

Contractul de finanțare: 89/05.10.2011

Manager proiect: Gabriela Ionita

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. Vasilescu, E. Pincu, V. Meltzer, G. Ionita	“Modulation of dansyl moiety fluorescence in systems containing cyclodextrins”	New J. Chem., 2012, 36, 2128–2134	2012
2	Aa ROGOZEA, F.SAVONEA, Ga IONIȚĂ	„EPR study on organogels based on 12-hydroxystearic acid”	Rev. Roum Chim., 2012, 57 (7-8), 693- 698	2012
3	Rogozea, A.Matei, I. Turcu, G. Ionita, G. V.Em Sahini	“EPR and circular dichroism solution studies on the interactions of bovine serum albumin with ionic surfactants and β -cyclodextrin”	A.Salifoglou, Journal of Physical Chemistry B, 2012, 116, 49(13) 14245-14253	2012
4	I. Matei, A. M. Ariciu, M. V. Neacsu, A. Collauto, A. Salifoglou, G. Ionita,	Cationic Spin Probe Reporting on Thermal Denaturation and Complexation–Decomplexation of BSA with SDS. Potential Applications in Protein Purification Processes	J. Phys. Chem. B, 2014, 118, 11238–11252	2014
5	M. Micutz, E. Matalon, T. Staicu, D. Angelescu, A.M. Ariciu, A. Rogozea, I. M. Turcu, G. Ionita,	The effect of hydroxyl propyl β - cyclodextrin on micellar to sol transition in F127 systems	New Journal of Chemistry ,2014, 38 (7), 2801-2812	2014
6	V.M. Neacsu, F. Israel Roming, A. Bijelic, G. Ionita	The ozone effects on the chloroplasts extracted from rumex patientia – an EPR investigation	Revue Roumaine de Chimie, 2014, 59 (8), 707-713	2014
7	G. Ionita, A.M. Ariciu, I.M Turcu, V. Chechik,	“Properties of polyethylene glycol/cyclodextrin hydrogels revealed by spin probe and spin labelling methods”,	Soft Matter, 2014, 10(11), 1778-1783	2014
8	Ariciu, A.M., Staicu, T., Micutz, M., Neacsu, M.V., Ionita, P., Tecuceanu, V., Munteanu, C., Ionita, G.	Investigations on Carboxy Dibenzylidene Sorbitol Hydrogels Using EPR Spectroscopy	Applied Magnetic Resonance, 2015, 46 (12), 1395-1407	2015

9	P.Ionita, V.Dinoiu, C. Munteanu, I. M. Turcu, V. Tecuceanu, T. Zaharescu, E. Oprea, C. Ilie, D. Anghel, G. Ionita,	Antioxidant activity of rosemary extracts in solution and embedded in polymeric systems	Chemical Papers 2015, 69(6), 872-880	2015
10	G. Ionita, A. Madalan, A. M. Ariciu, A. Medvedovici, P. Ionita	Synthesis of novel TEMPO stable free (poly)radicals derivatives and their host-guest interaction with cucurbit[6]uril	New Journal of Chemistry, 2016, 40(1)1, 503-511	2016
11	Neacsu, M.V., Matei, I., Micutz, M., Staicu, T., Precupas, A., Popa, V.T., Salifoglou, A., Ionita, G., Journal of Physical	„Interaction between Albumin and Pluronic F127 Block Copolymer Revealed by Global and Local Physicochemical Profiling”	Chemistry B, 120, 18(12) 2016, 4258-4267	2016
12	M. V. Neacsu, C. Topala, G. Ionita, E. Oprea, V. Tecuceanu, I. Matei	„Plant Extract Effects on the Radical Species Generated by UV Irradiated Riboflavin Embedded in Poly(ethylene glycol)/ β -cyclodextrin Covalent Gel”,	Chemical Papers	2017
	ARTICOLE ALTE BAZE DE DATE			
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	CARTI			
1	G. Ionita,	„Characterisation and Tailoring the properties of Hydrogels using Spectroscopic Methods” (Book chapter) 39-68, in „Emerging concepts in analysis and applications of hydrogels”	Ed. InTech, 2016, ISBN 978-953-51-2509-9	2016
n				
	COMUNICARI STIINTIFICE NATIONALE			
1	Gabriela Ionita, Erez MAtalon, Daniella Goldfarb,	“Exploring Pluronic F127/Cyclodextrin Systems Using Epr Methods”	A XXXII-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE CĂCIULATA, 03-05 octombrie 2012, comunicare orală	2012
2	I.M.Turcu, T. Staicu, M. Micutz, P. Ionita, A. Rogoza, C. Ilie, G. Ionita	“Investigations on the organogels based on 12-hidroxysearic acid. The effect of metalic nanoparticles and non-gelator species on gel properties”,	A XXXII-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE CĂCIULATA, 03-05 octombrie 2012, poster	2012

3	A. Rogozea, G. Ionita	, “An EPR spectroscopy study on the interaction of bovine serum albumin with zn(ii)”	, A XXXII-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE CĂCIULATA, 03-05 octombrie 2012, poster	2012
4	M.V.Neacsu, A.M. Ariciu, I.M. Turcu, M. Micutz, T. Staicu, G. Ionita, V. T. Popa	, “Changes induced by HPB on pluronic F127 assembly revealed by microcalorimetry and EPR spectroscopy”,	ROMPHYSICHEM 15, Bucuresti, 9-11 septembrie 2013, poster	2013
5	A.M. Ariciu, I.M. Turcu, G. Ionita,	“Information on the encapsulation ability of gels derived from spin probe method”,	ROMPHYSICHEM 15, Bucuresti, 9-11 septembrie 2013, poster	2013
6	I.M. Turcu, A.M. Ariciu, C. Munteanu, G. Ionita, ,	“Bovine Serum Albumin induces formation of gold nanoparticles”	ROMPHYSICHEM 15, Bucuresti, 9-11 septembrie 2013, poster	2013
7	G. Ionita,	“Cyclodextrin-ionic surfactants interactions investigated by spin probe method”,	ROMPHYSICHEM 15, Bucuresti, 9-11 septembrie 2013, oral presentation	2013
8	G. Ionita, A. M. Ariciu, M. V. Neacsu, I. M. Turcu,	"Spin probes reveal the inhomogeneities at nanoscale level in Pluronic F127 solutions“,	"Zilele academice iesene" -Progrese in stiinta compusilor organici macromoleculari., Iasi, 3-5 Octombrie 2013, poster	2013
9	G. Ionita,	“Host-guest interactions of amino-TEMPO derivatives with cucurbit[6]uril investigated by EPR spectroscopy”,	RICCCE 19, Sibiu, 2-5 septembrie 2015 comunicare orala	2015
10	I. Matei, M. V. Neacsu, S. Mocanu, G. Ionita,	„Complexation of TEMPO derivatives with cyclodextrins assessed by EPR spectroscopy, circular dichroism and DFT calculations”	ROMPHYSICHEM-16, Galati, Romania, 21–24 septembrie 2016, keynote	2016
11	S. Mocanu, I. Matei, G. Ionita	„Complexation of β -cyclodextrin with dual molecular probes bearing fluorescent and paramagnetic moieties linked by short polyether chains”,	ROMPHYSICHEM16, Galati, 21-24 September 2016, prezentare orala	2016
12	N. Victoria, I. Matei, G. Ionita, ,	“The extent of albumin denaturation induced by aliphatic alcohols: an EPR study ”	ROMPHYSICHEM16, Galati, 21-24 September 2016, comunicare orala	2016
13	A. Precupas, V.T. Popa, G. Ionita, M. Micutz, T. Staicu,	"The effect of non-gelator species on supramolecular assembly of low Molecular weight gelator – the case of 12-hydroxystearic acid/ 16-hexadecanoic acid,	ROMPHYSICHEM16, Galati, 21-24 September 2016, poster	2016
14	Maria Victoria Neacsu, Iulia Matei, Gabriela Ionita	"An EPR study on the free radicals generated in gels embedded with riboflavin by exposure to light",	Conferinta “Noi tendinte si strategii in chimia materialelor avansate cu relevanta in sistemele biologice, tehnica si protectia mediului”, (Timisoara, 4-5 iunie	2015

			2015) - poster	
15	G. Ionita	„Spin labelled polysaccharides – suitable probes for investigating supramolecular assemblies”	Cafeneaua de Stiinte, (Universitatea din Pitesti, Facultatea de Stiinte, Departamentul de Stiinte ale Naturii, 17 septembrie 2015), prezentare orala	2015
	COMUNICARI STIINTIFICE INTERNATIONALE			
1	Ionita Elena Gabriela Victor Chechik	“Investigating cyclodextrin/ PEG hydrogels properties with spin probes”	The 45th Annual International Meeting of the ESR Spectroscopy Group of the Royal Society of Chemistry, University of Manchester 25th - 29th March 2012, oral presentation	2012
2	Gabriela Ionita	“An EPR study on the albumin/surfactant/cyclodextrin systems ”	The 46th Annual International Meeting of the ESR Spectroscopy Group of the Royal Society of Chemistry, University of Warwick 7th - 11th March 2013, oral presentation	2013
3	G. Ionita, T. Staicu, M. Micutz, A. M. Ariciu, V. M. Neacsu	“Pluronic F127/cyclodextrin assemblies investigated by EPR spectroscopy”,	20th International Symposium on Surfactants in Solution (SIS 2014), Coimbra , Portugalia, 22-27 Iunie 2014, poster	2014
4	G. Ionita, T. Staicu, M. Micutz, A. M. Ariciu	“Investigations on Carboxy Dibenzyldene Sorbitol Hydrogels Using EPR Spectroscopy”	VII th International Conference on Nitroxide Radicals (SPIN-2014) Kaliningrad (Rusia), 14-19 Septembrie 2014, comunicare orala	2014
5	G. Ionita, I. Matei, M. V. Neacsu, M. Micutz, T. Staicu	“Transfer of small molecules between albumin and pluronic block-copolimer F127: an EPR study”,	The 48th Annual International Meeting of the ESR Spectroscopy Group of the Royal Society of Chemistry (29 Martie-2 Aprilie 2015) poster	2015
	I. Matei, M. V. Neacsu, M. Micutz, G. Ionita	"Effect of Pluronic F127 micellization on ligand binding to human serum albumin"	"7th Summer School of the European Federation of EPR Groups on Advanced EPR" – sesiunea de prezentare postere, Berlin, 24 august - 1 septembrie 2015	2015
6	G. Ionita,	“Processes involving globular proteins investigated by EPR	Prezentare orala in cadrul conferintei	

		spectroscopy”,	organizate de comitetul managerial al actiunii COST 1201 “Biomimetic Radical Chemistry , 10-13 mai 2015, Atena,	
7	G.Ionita,	“Transfer of small molecules between albumin and pluronic block-copolymer F127: an EPR study”,	The 48th Annual International Meeting of the ESR Spectroscopy Group of the Royal Society of Chemistry (29 Martie-2 Aprilie 2015, Southampton, UK) - poster	2015
8	S. Mocanu, I. Matei, G. Ionita,	“Complexation of β -cyclodextrin with dual molecular probes bearing fluorescent and paramagnetic moieties linked by short polyether chains”	The 49th Annual International Meeting of the ESR Spectroscopy Group of the Royal Society of Chemistry (3-7 Aprilie 2016, Colchester, UK) poster	2016
9	G. Ionita, I. Matei, S. Mocanu,	„Dual molecular probes: reporters for supramolecular interactions in solutions and gels”	The Xth Conference of the European Federation of EPR, (Torino, 4-8 septembrie 2016) – poster	2016
10	G. Ionita,	“Dual molecular probes – reporters for supramolecular assemblies”	Scientific meeting of the COST 1201 Action “Biomimetic Radical Chemistry , 27-29 Septembrie 2016, Bucuresti, prezentare orală	2016
	ATLASE, DICTIONARE DE SPECIALITATE			
1				
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	CERERI BREVET DE INVENTII/BREVET OBTINUT			
	ALTE rezultate			
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Lista achizițiilor realizate în cadrul proiectului

Denumire echipament	Categorie de achiziții*: (numai mijloace fixe)	Valoarea (lei)	Locație
Nisa Chimica COMBI 1200A	Echipamente	21711.83	Laborator 1
LED Monitor Acer (2 buc)	Calculatoare și accesorii	1153.20	Laborator 1
Eaton UPS Poweware 5115 1400VA Tower	Calculatoare și accesorii	1689.86	Laborator 1
Conductometru	Echipamente	13410.43	Laborator 1

Agitator magnetic RCT classic IKAMAG	Echipamente	3011.63	Laborator 1
Senzor de temperatura	Echipamente	1897.89	Laborator 1
SI balanta laborator	Echipamente	7742.89	Laborator 9
HP-Laptop ProBook 6570b	Calculatoare	7.313,69	Laborator1
Vacuum Gauge , DCP 3000 cu senzor VSP 3000	Echipamente	6.493,95	Laborator 1
licenta Office Professional 2010	Program calculator	2.399,00	Laborator 1
licenta ESET (antivirus)	Program calculator	178,99	Laborator 1
Container substante		8.058,39	Laborator 1
Pompa de vid rotavapor (Rotavac Valve Control	Echipamente	11.509,21	Laborator 1
Sistem PC Business DELL Optiplex 7020 MT cu monitor, W7	Calculatoare	4.982,94	Laborator 1
Licente antivirus	Program calculator	464,97	Laborator 1
Up-grade program statie de lucru de la W-NT la W7, PCI ADCITF	Program calculator	27.448,64	Laborator 1
Calculator desktop Dell Optiplex 3020 MT	Calculatoare	2.412,97	Laborator 1
Monitor Dell 21.5 "		865,66	Laborator 1
Container substante toxice	Echipament	2.256,13	Laborator 1
Program control spectrometru ESR NO. ER 184000-29 Model SAV ES Z11012TFALNX	Program calculator	59.808,30	Laborator 1
Licenta OEM Microsoft Windows 7 Pro SP1 32 bit	Program calculator	858,70	Laborator 1
Licenta retail Microsoft Office 2016	Program calculator	1.168,87	Laborator 1
Prelungire licenta antivirus 4 ESET NOD32	Program calculator	353,00	Laborator 1
UPGRADE PROGRAM STATIE DE LUCRU DE LA W-N7 LA W7 PENTRU SPECTROMETRUL ESR NO. ER 184000-29 MODEL ES-16040X3PRG1	Calculatoare	59.633,64	Laborator 1
Imprimanta Canon Pixma G 3400	Calculatoare si accesorii	877,03	Laborator 1
Licenta individuala program MATLAB	Program calculator	10.682,15	Laborator 1

Director proiect,

Ionita Gabriela