

Titlu proiect: *Flavone - Proteine Systems Involved in Oxidative Stress
Probed by Advanced Spectroscopic Methods*

Categoria de proiect: YOUNG RESEARCH TEAMS - PN-II-RU-TE-2012-3

Contractul de finanțare: 6 / 23. 04. 2013; PN-II-RU-TE-2012-3-0055

Manager proiect: Dr. Mariana Voicescu

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. Voicescu, S. Ionescu, F. Gatea	Photophysical Properties of some Flavones Probes in Homogeneous Media	<i>J. of Fluorescence</i> , DOI: 10.1007/s10895-013-1272-0, 24 (1), 75-83	2014
2	M. Voicescu, S. Ionescu, F. Gatea	Effect of pH on the Fluorescence Characteristics of some Flavones probes	<i>Spectrochim Acta A</i> , DOI:10.1016/j.saa.2013.12.040, 123, 303-308	2014
3	M. Voicescu, S. Ionescu	Fluorescence Characteristics of some Flavones Probes in Different Micellar Media	<i>J. of Fluorescence</i> , DOI: 10.1007/s10895-013-1346-z, 24 (3), 735-743	2014
4	M. Voicescu, S. Ionescu	3-Hydroxyflavone - Bovine Serum Albumin Interaction in Dextran Medium	<i>J. Serb. Chem. Soc.</i> , doi: 10.2298/JSC140425075V, 80 (4), 517-520	2015
5	M. Voicescu, Cristina L. Nistor, A. Meghea	Insights into the Antioxidant Activity of some Flavones on Silver Nanoparticles using the Chemiluminescence Method	<i>J. of Luminescence</i> , DOI: 10.1016/j.jlum.2014.08.058, 157, 243-248	2015
6	M. Voicescu, R. Bandula	3, 6-diHydroxyflavone / Bovine Serum Albumin Interaction in Cyclodextrin Medium: Absorption and Emission Monitoring	<i>Spectrochim. Acta A</i> , DOI:10.1016/j.saa.2014.11.093, 138, 628-636	2015
7	M. Voicescu, O. Craciunescu, L. Moldovan, M. Anastasescu, D.G. Angelescu, V. S. Teodorescu	Physicochemical Characterization and <i>in vitro</i> Cytotoxic Effect of 3-Hydroxyflavone in a Silver Nanoparticles Complex	<i>J. of Fluorescence</i> , dx.doi.org/ 10.1007/s10895-015-1608-z, 25, 1215-1223	2015
8	M. Voicescu, P. Hellwig, A.	Antioxidant Activity of Phytoestrogens	<i>New J. Chem.</i> , DOI: 10.1039/c5nj01568e, 40, 606-612	2016

	Meghea	types Isoflavones in Biomimetic Environments		
9	M. Voicescu, S. Ionescu, C. L. Nistor	Spectroscopic study on 3-Hydroxyflavone - protein interaction in lipidic bi-layers immobilized on silver nanoparticles	<i>Spectrochim. Acta A</i> , doi:10.1016/j.saa.2016.06.039, 170, 1-8	2017
10	M. Voicescu, G. Neacsu, A. Beteringhe, O. Craciunescu, R. Tatia, L. Moldovan	Antioxidant and cytotoxic properties of Riboflavin in PEG/BSA Systems	<i>Chemical Papers</i> , DOI 10.1007/s11696-016-0057-8	2017
11	M. Voicescu, S. Ionescu, J. M. Calderon-Moreno, C. L. Nistor	Physicochemical characterization of 3,6-diHydroxyflavone binding BSA immobilized on PEG-coated Silver Nanoparticles	<i>J. of Nanopart. Res.</i> , doi:10.1007/s11051-016-3727-0	2017
		ARTICOLE ALTE BAZE DE DATE		
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		COMUNICARI STIINTIFICE NATIONALE		
1	M. Voicescu, S. Ionescu	<i>3-Hydroxyflavone - Bovine Serum Albumin interaction on silver nanoparticles. A fluorescence and Raman study</i>	13-th National Conference of Biophysics, June 4-6, Timisoara, Romania	2015
2	M. Voicescu, G. Neacsu	<i>Antioxidant activity of riboflavin in Polyethylene Glycol - Bovine Serum Albumin systems</i>	RSBMB Anniversary Conference 25 years of promoting molecular life sciences, Bucharest, Romania, 17-18 September	2015
		COMUNICARI STIINTIFICE INTERNATIONALE		
1	M. Voicescu, F. Gatea, A. Meghea	<i>Antioxidant Activity of some Flavones Evidenced by Chemiluminescence Method</i>	8-th International Conference of the Chemical Societies of the South-East European Countries, Belgrade, Serbia, June 27-29	2013
2	M. Voicescu, S. Ionescu, D. G. Angelescu, M. Anastasescu, V. S. Teodorescu	<i>Flavonoid-Protein Interaction at the Silver Nanoparticle Surface</i>	13th Conference on Methods and Applications of Fluorescence, 8-11 September, Genoa, Italy	2013
3	M. Voicescu, S. Ionescu, F. Gatea	<i>Photophysical and Photochemical Studies of some Flavones Probes</i>	International Conference of Physical Chemistry - ROMPHYSICHEM 15th, September 11-13, Bucharest, Romania	2013
4	M. Voicescu, S. Ionescu, F. Gatea, R. Bandula	<i>Steady-State and Time-Resolved Fluorescence Analysis of 3,6 diHydroxyflavone</i>	International Conference of Physical Chemistry- ROMPHYSICHEM 15th, September 11-13, Bucharest, Romania	2013

5	M. Voicescu, F. Gatea, A. Meghea	<i>Glucidic type macromolecules on the antioxidant activity of isoflavone genistein</i>	The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology, Baile Felix, Oradea, Romania, 5-7 June	2014
6	M. Voicescu, S. Ionescu, M. Anastasescu, O. Craciunescu, R. Tatia, L. Moldovan, D. G. Angelescu, V. S. Teodorescu	<i>Biological Evaluation of 3-Hydroxyflavone in a Silver Nanoparticles Complex</i>	FEBS-EMBO International Conference, Paris, France, 30 Aug.-4 Sept	2014
7	M. Voicescu, S. Ionescu, A. Meghea	<i>Flavone - Protein Interaction in Lipidic Bilayers of Lecithin</i>	IC ³ EM - 1 st International Caparica Conference on Chromogenic and Emissive Materials, Caparica / Lisbona, Portugal, 8-10 September	2014
8	M. Voicescu, Z. Boubegtiten, P. Hellwig	<i>Spectroscopic studies on the structural changes in Human Serum Albumin upon 3-Hydroxyflavone binding immobilized on Silver Nanoparticles</i>	The 40 th FEBS Congress, The Biochemical Basis of Life, Berlin, Germany, July 4 - 9	2015
9	M. Voicescu, S. Ionescu, A. Meghea	<i>Flavone - protein interaction in lipidic bilayers of lecithin and on silver nanoparticles support</i>	International Conference on Chemical and Biochemical Engineering, Paris, France, 20-22 July	2015
10	M. Voicescu, S. Ionescu, C. L. Nistor, M. Maganu	<i>Spectroscopic analysis of 3,6-diHF / Bovine Serum Albumin / PEG emulsion on silver nanoparticles</i>	14-th Conference on Methods and Applications in Fluorescence (MAF-14), Würzburg, Germany, 13-16 September	2015
11	M. Voicescu, S. Ionescu, C. L. Nistor	<i>Fluorescence characteristics of 3,6-dihydroxyflavone on PEG-coated silver nanoparticles</i>	The International Conference CHIMIA 2016 "New Trends in Applied Chemistry", Constanta, Romania, 26-28 May	2016
ATLASE, DICTIONARE DE SPECIALITATE				
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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
Holder cu injecție pentru fluorimentrul Jasco FP 6500; Model CSP – 143, Jasco. Serial No. A006461170	Imobilizari corporale/ accesorii echipamente	3792.62	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
Imprimanta HP Desk jet 3525, A4, Duplex, ePrint, Wireless	Imobilizari corporale/ accesorii echipamente	360	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
Instant electric Platinum Tri-Chiuvete	Imobilizari corporale/ accesorii echipamente	260.40	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
GLOMAX 20/20 LUMINOMETER, w/single reagent injector, Model E 5321 – PROMEGA	Imobilizari corporale/ echipamente	50220	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
Laptop HP 15 – P102Nq i7-4500U 12GB/1T/2GB	Imobilizari corporale/ calculatoare	3299.90	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
Windows Microsoft 8.1 32/64 Bit	Imobilizari necorporale/ licenta	479.90	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
Microsoft Office Home and Business 2013	Imobilizari necorporale/ licenta	1029.89	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
Antivirus Bitdefender 2015 Plus	Imobilizari necorporale/ licenta	65.91	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
Antivirus Bitdefender 2016 Plus	Imobilizari necorporale/ licenta	97.98	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »
Agitator magnetic cu incalzire MR Hei-End, Heidolph	Imobilizari corporale/ echipamente	6448	Laborator 1 / Institutul de Chimie Fizica « Ilie Murgulescu »

**Director proiect,
Dr. Mariana Voicescu**