

Titlu proiect: Silver nanoparticles- the effect of chemical surface modification on their chemical and biological reactivity

Categoria de proiect: Proiect de cercetare postdoctorala

Contractul de finanțare: Nr. 27/ 26.04.2013

Manager proiect: Madalina Tudose

Lista rezultate 2013-2015

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. Tudose, C. Munteanu, G. Marinescu, D. Culita, P. Ionita	The influence of redox chemical surface treatments on silver nanoparticles	Digest Journal of Nanomaterials and Biostructures, 8(4) , 1761 – 1770	2013
2	M. Tudose, D. C. Culita, P. Ionita, M.C. Chifiriuc	Silver nanoparticles embedded into silica functionalized with vitamins as biological active materials	Ceramics International, 41, 4460–4467	2015
3	M. Tudose, D.C.Culita , C. Munteanu, J. Pandeale, E. Hristea, P. Ionita, I. Zarafu, M.C. Chifiriuc	Antibacterial activity evaluation of silver nanoparticles entrapped in silica matrix functionalized with antibiotics	J. Inorg. Organomet. Polym.,25:869–878, DOI 10.1007/s10904-015-0176	2015
ARTICOLE ALTE BAZE DE DATE				
1				
n				
CARTI				
1				
n				
COMUNICARI ȘTIINȚIFICE NATIONALE				
1				
n				
COMUNICARI ȘTIINȚIFICE INTERNAȚIONALE				
1	M.Tudose, C. Munteanu, G. Marinescu, D. Culita, E. Hristea and P. Ionita	The influence of redox chemical surface treatment on silver nanoparticles	ROMPHYSICHEM 15th edition: Bucharest, Romania	2013
2	M. Tudose, D.C. Culita, E. Hristea, P. Ionita.	Synthesis of silver nanoparticles functionalized with antibiotics and their antibacterial activity	5 th EuCheMS Chemistry Congress, Istanbul, Turcia	2014

3	M. Tudose, D.C. Culita, J. Pandele Cusu, C. Munteanu.	Silver nanoparticles embedded in silica and functionalized with vitamins, as biological active material	5 th EuCheMS Chemistry Congress, Istanbul, Turcia	2014
4	A. Shakir, C. Ghica, M. Tudose, D.C. Culita.	Synthesis of Ag nanoparticles loaded SBA-15 and evaluation of their catalytic activity in oxidation of some alcohols	Conference of the Romanian Society of Electron Microscopy, Bucharest, Romania	2015
5	M. Tudose, D.C. Culita, A. M. Musuc, C. Ghica, M.C. Chifiriuc.	Hybrid material based on retinoic acid and Ag@SiO ₂ particles with potential applications in dermatology	19 th Romanian International Conference on Chemistry and Chemical Engineering, Sibiu, Romania	2015
ATLASE, DICTIONARE DE SPECIALITATE				
1				
n				
CERERI BREVET DE INVENTII/BREVET OBTINUT				
ALTE rezultate				
1				
n				

Lista achizițiilor realizate în cadrul proiectului

Denumire echipament	Categorie de achiziții: (numai mijloace fixe)	Valoarea (lei)	Locație
NOTEBOOK ASUS UX31A-R4003H	Imobilizari corporale	8800	Institutul de Chimie Fizica Ilie Murgulescu
Centrifuga EBA 270	Imobilizari corporale	6851	Institutul de Chimie Fizica Ilie Murgulescu
Baie ultrasonica ELMASONIC S 30H	Imobilizari corporale	4052	Institutul de Chimie Fizica Ilie Murgulescu
Pachet agitator magnetic cu incalzire, senzor de temperatura si accesorii	Imobilizari corporale	4800	Institutul de Chimie Fizica Ilie Murgulescu

Director proiect,

Dr. Madalina Tudose