

Titlu proiect: Sustainable autonomous system for nitrites/nitrates and heavy metals monitoring of natural water sources

Categoria de proiect: M-ERA.NET Transnational Call 2014

Contractul de finanțare: 39/2016

Manager proiect: dr.Gartner Florica-Mariuca

Lista rezultate 2016

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	A. Duta, A. Enesca, L. Andronic,	The influence of low irradiance and electrolytes on the mineralization efficiency of organic pollutants using the Vis-active photocatalytic tandem CuInS ₂ /TiO ₂ /SnO ₂	submitted to Catalysis Today(2016)	
COMUNICARI ȘTIINȚIFICE INTERNAȚIONALE				
1	M. Covei, C. Bogatu, D. Perniu, A. Duta,	Influence of the C12 surfactants concentration on the morphology of spray pyrolysis deposited ZnO,	12th International Conference on Colloid and Surface Chemistry, ICCSC'2016, Iasi, (abstract published in the Book of Abstracts, pg. 34, available at https://iccsc2016.files.wordpress.com/2016/01/book-of-abstracts.pdf	
n	E. Țenea, C. Vladut, P. Chesler, S. Preda, J. M. Calderon-Moreno, M. Anastasescu, C. Moldovan, A. Voicu, M. Gartner, S. Mihaie and M. Zaharescu,	Influence of the substrates on the sensing properties of the Zn-doped SnO ₂ thin sol-gel films	16th International Conference of Physical Chemistry - ROMPHYSICHEM -16th, September 21-23, 2016, Galați, Romania	
	Dr. Miklos Fried	Bonding experiments of Flagellar Filaments on Gold surface		
	Dr. Ing. Carmen Moldovan	Design and Technology of Microtransducers for electrochemical detection of nitrites/nitrates and heavy metals		
	Dr. Gheorghe Marin	Light DSSC photovoltaic. Power sources for portable applications		

	Acad. Dr. Maria Zaharescu	TiO2 based sol-gel films for the detection of nitrites/nitrates in water sources	8thInternational Workshop “Sensors for nitrites/nitrates and heavy metals”, Nov.15, 2016, Bucharest, http://www.icf.ro/elipso/2016/	
	Dr. Maria Covei	The influence of the synthesis methods on the optoelectronic properties of thin ZnO films part of transparent photovoltaic structures		
	Dr. Alexandru Esca	Thin films semiconductors for novel solid state solar cells deposited by Spray Pyrolysis		
	Drd. Mariana Chelu	Enhanced photocatalytic activity of ZnO nanoparticles obtained by “green” synthesis with well dispersed Pd-Au bimetallic nanoparticles		
ALTE rezultate				
1	Organizare workshop	"Multifunctional materials for sensing and renewable energy applications: Sensors for nitrites/nitrates and heavy metals	http://www.icf.ro/elipso/2016/	
n				

Lista achizițiilor realizate în cadrul proiectului

Denumire echipament	Categorie de achiziții: (numai mijloace fixe)	Valoarea (lei)	Locație
Spin coater	Directa/2016	39.048	Cam. 135
Autoclava	Directa/2016	8.100	Cam. 135

**Director proiect,
Dr.Gartner Florica-Mariuca**