

## 2012

### *Diseminare pe anul 2012*

#### *Articole publicate in reviste ISI 2012:*

- E. Popovici, C. Luculescu, *R. Alexandrescu*, C. Fleaca, F. Dumitrache, R. Barjega, M. Scarisoreanu, E. Duta, A. Barbut, I. Morjan , **Development of systems for the laser synthesis of nanoparticles starting from liquid precursors**, Applied Surface Science (Elsevier) Volume 258, Issue 23, 15 September 2012, Pages 9326–9332,

- M. Scarisoreanu, *R. Alexandrescu*, I. Morjan, R. Birjega, C. Luculescu, E. Popovici, E. Dutu, E. Vasile, V. Danciu, N. Herlin-Boime, **Structural evolution and optical properties of C-doped TiO<sub>2</sub> nanoparticles prepared by laser pyrolysis**, Applied Surface Science (Elsevier) , 2012, in press

- *R. Alexandrescu*, I. Morjan, F. Dumitrache, M. Scarisoreanu, C. T. Fleaca, I. P. Morjan, A. D. Barbut, R. Birjega, G. Prodan, **Development of TiO<sub>2</sub> and TiO<sub>2</sub>/Fe-based polymeric nanocomposites by single-step laser pyrolysis**, Applied Surface Science (Elsevier) , 2012, in press

#### *Comunicari la Conferinta Internationale 2012:*

-M. Scarisoreanu, *R. Alexandrescu*, I. Morjan, R. Birjega, C. Luculescu, E. Popovici, E. Dutu, E. Vasile, V. Danciu, N. Herlin-Boime, **Structural evolution and optical properties of C -doped TiO<sub>2</sub> nanoparticles prepared by laser pyrolysis** E-MRS 2012 Spring Meeting, Strasbourg, May 14-18, 2012

-*R. Alexandrescu*, I. Morjan, F. Dumitrache, M. Scarisoreanu, C. T. Fleaca, I. P. Morjan, A. D. Barbut, R. Birjega, G. Prodan, **Development of TiO<sub>2</sub> and Ti/Fe-based polymeric nanocomposites by single-step laser pyrolysis**, E-MRS 2012 Spring Meeting, Strasbourg, May 14-18, 2012

*-Comunicare invitata:*

R. Alexandrescu,, A. Rotaru, I. Morjan, C. Fleacă, F. Dumitrache, M.Scarisoreanu, **Fe-based / methyl methacrylate polymeric nanocomposite prepared by laser pyrolysis: structural and thermal properties**, 1st Annual World Congress of Advanced Materials Conference (WCAM-2012), June 6-8, 2012 Beijing, China

## 2013

*Diseminare pe anul 2013*

Tot in raportul pe anul 2013 am semnalat acceptarea in jurnalul Applied Surface Science (cotat ISI Thompson) a manuscrisului bazat pe lucrarea sub forma de de **Poster** prezentata mai in cadrul Congresului European de stiinta Materialelor - Sesiunea de Primavara (EMRS Spring Meeting 2013 Strasbourg Franta). **Articolul** este intitulat **Recent progress in the synthesis of magnetic titania/iron-based composite nanoparticles manufactured by laser pyrolysis** si are ca autori pe *C.T. Fleaca* , *M. Scarisoreanu* , I. Morjan, *R. Alexandrescu*, F. Dumitrache, C. Luculescu, I.P. Morjan, R. Birjega, A.-M. Niculescu, G. Filoti, V. Kuncser, E. Vasile, V. Danciu and M. Popa.

## 2014

*Diseminare pe anul 2014*

*Prezentari la Conferinte Internationale:*

1. C. Fleaca, M. Scarisoreanu, I. Morjan, C. Luculescu, A.-M. Niculescu, F. Dumitrache, E. Vasile, V. Danciu, M. Popa **“One-step laser pyrolysis synthesis of TiO<sub>2</sub> nanoparticles embedded in carbon-silica shells/matrix”** E-MRS Spring Meeting, Lille, France, May 26-30, 2014
2. M. Scarisoreanu, I. Morjan., C.-T. Fleaca, I.P. Morjan, A.-M. Niculescu, E. Dutu, A. Badoi, R. Birjega, C. Luculescu, E. Vasile, V. Danciu, G. Filoti **“Synthesis and**

**photocatalytic properties of novel multifunctional TiO<sub>2</sub>-based magnetic nanocomposite**” E-MRS Spring Meeting, Lille, France, May 26-30, 2014

*Articole in curs de publicare in reviste cotate ISI:*

1. C.T. Fleaca, M. Scarisoreanu, I. Morjan, C. Luculescu, A.-M. Niculescu, A. Badoi, E. Vasile, G. Kovacs **“Laser oxidative pyrolysis synthesis and annealing of TiO<sub>2</sub> nanoparticles embedded in carbon-silica shells/matrix”** - acceptat spre publicare
2. M. Scarisoreanu, C.-T. Fleaca, I. Morjan., I.P. Morjan, A-M..Niculescu, E. Dutu, A.Badoi, R. Birjega, C. Luculescu, E. Vasile, V. Danciu, G. Filoti **“Synthesis and photocatalytic properties of novel multifunctional TiO<sub>2</sub>-based magnetic nanocomposite** – in proces de revizie

### **Diseminare pe anul 2015**

Prezentari la Conferinta Internationale:

1. M. Scarisoreanu, C. Fleaca, I. Morjan, A.-M. Niculescu, C. Luculescu, I.P. Morjan, E. Dutu, A. Badoi, A. Ilie, E. Vasile, V. Danciu **“One-step synthesis of TiO<sub>2</sub>/SnO<sub>2</sub> nanocomposites and their photocatalytic performance”** E-MRS Spring Meeting, Lille, France, May 11-15, 2015
2. C. Fleaca, M. Scarisoreanu, I. Morjan, C. Luculescu, A.-M. Niculescu, A. Badoi, E. Vasile, V. Danciu **“Characterization and photocatalytic properties of blue core-shell TiO<sub>2</sub>/SiO<sub>2</sub>/C nanocomposites obtained via laser pyrolysis”** 11th Int. Conf. "Micro- to Nano-Photonics IV- ROMOPTO 2015", Bucharest, Romania, September 1-4, 2015

Director Proiect,

Dr. Claudiu Fleaca