**Activitate manageriala, diseminare, editare**

**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 TiO2 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 TiO2 and TiO2/Fe-based polymeric nanocomposites by single-step laser pyrolysis**, Applied Sueface Science (Elsevier) , 2012, in press

***Comunicari la Conferinte 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 TiO2 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 TiO2 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 TiO2 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 TiO2-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 TiO2nanoparticles 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 TiO2-based magnetic nanocomposite** – in proces de revizie

 **Diseminare pe anul 2015**

Prezentari la Conferinte 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 TiO2/SnO2 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 TiO2/SiO2/C nanocomposites obtained via laser pyrolysis” 11thInt. Conf. "Micro- to Nano-Photonics IV- ROMOPTO 2015", Bucharest, Romania, September 1-4, 2015Director Proiect, Dr. Claudiu Fleaca

**Diseminare 2016**

***Prezentari la Conferinte Internationale***

**1.**C. Fleaca, M. Scarisorean, I. Morjan, C. Luculescu, A.-M. Niculescu, E. Dutu, G. Filoti, E. Vasile “**Structural, magnetic and optical properties of Fe-doped titania-silica nanoparticles synthesized by laser pyrolysis in oxygen-deficient environments from vapor-phase precurs**” E-MRS Spring Meeting, Lille, France, May 2-6, 2016

**2**. M. Scarisoreanu, C. Fleaca, I. Morjan, A.-M. Niculescu, C. Luculescu, I. Morjan, E. Dutu, A. Ilie, E. Vasile, I. Fort “**High photocatalytic performances of TiO2/SnO2 nanocomposites prepared by laser pyrolysis**” E-MRS Spring Meeting, Lille, France, May 2-6, 2016

***Capitol de carte***

V. Kuncser, P. Palade, G. Schinteie, F. Dumitrache, ***C. Fleaca,*** M. Scarisoreanu, I. Morjan, G.Filoti, Carbon Nanomaterials Sourcebook: Nanoparticles, Nanocapsules, Nanofibers, Nanoporous Structures, and Nanocomposites, in Volume II [chapter **Hybrids/Composites** - **Transition Metal/Carbon Nanocomposites**], CRC Press – Taylor and Francis Group (edited by Klaus B. Sattler), 2016, 603-624, **ISBN:** **9781482252705**

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

M. Scarisoreanu, ***C. Fleaca***, I. Morjan, A.-M. Niculescu, C. LuculescuE. Dutu, A. Ilie,, I.P.Morjan, L. Gavrila Florescu, E. Vasile, I. Fort “**High photocatalytic performances of Sn-doped TiO2 nanoparticles prepared by laser pyrolysis**” - revista Applies Surface Science