

## **Diseminare rezultate - 2013**

### **1. Articole publicate:**

1.1 M. Răileanu, M. Crișan, I. Nițoi, A. Ianculescu, P. Oancea, D. Crișan, L. Todan.  
TiO<sub>2</sub>-based Nanomaterials with Photocatalytic Properties for the Advanced Degradation  
of Xenobiotic Compounds from Water. A Literature Survey.  
Water, Air, & Soil Pollution (2013) 224 (6), art .1548 , 45 pg  
(DOI 10.1007/s11270-013-1548-7)  
Impact Factor (2012) = 1.748

2.1. M. Răileanu, M. Crișan, A. Ianculescu, D. Crișan, N. Drăgan, P. Osiceanu, S.  
Șomăcescu, N. Stănică, L. Todan.  
The influence of Ni dopant on the structure and photocatalytic properties of sol-gel TiO<sub>2</sub>  
nanopowders.  
Water Air Soil Pollut (2013) 224:1773 (10 pg),  
DOI 10.1007/s11270-013-1773-0.  
Factor ISI (2012) = 1,748.

### **2. Lucrări prezentate la Conferințe:**

2.1. M. Crișan, A. Ianculescu, D. Crișan, M. Răileanu, N. Drăgan, P. Osiceanu,  
S. Șomăcescu, N. Stănică, L. Todan  
Structural study of sol-gel cobalt doped TiO<sub>2</sub> nanopowders with photocatalytic activity.  
“The Fourth International Conference on Semiconductor Photochemistry SP4” 23-27  
june 2013, Prague

2.2. M. Răileanu, M. Crișan, A. Ianculescu, D. Crișan, N. Drăgan, P. Osiceanu,  
S. Șomăcescu, N. Stănică, L. Todan  
Structural study of sol-gel nickel doped TiO<sub>2</sub> nanopowders with photocatalytic activity.  
“The Fourth International Conference on Semiconductor Photochemistry SP4” 23-27  
june 2013, Prague

2.3. D. Crişan, N. Drăgan, M. Răileanu, M. Crişan, A. Ianculescu, P. Osiceanu, S. Şomăcescu, N. Stănică, C. Stan  
Structural study of sol-gel iron doped TiO<sub>2</sub> nanopowders with photocatalytic activity.  
“The Fourth International Conference on Semiconductor Photochemistry SP4” 23-27 june 2013, Prague

2.4. D. Crişan, N. Drăgan, M. Crişan, M. Răileanu, A. Ianculescu, P. Osiceanu, S. Şomăcescu, N. Stănică, C. Stan.  
The role of Fe dopant on TiO<sub>2</sub> structure of sol-gel nanopowders.  
The 15<sup>th</sup> International Conference of Physical Chemistry, ROMPHYSICHEM 15, September 11-13, 2013, Bucharest, Romania

2.5. M. Crişan, A. Ianculescu, M. Răileanu, D. Crişan, N. Drăgan, S. Şomăcescu, P. Osiceanu, N. Stănică, L. Todan.  
The influence of Co dopant on TiO<sub>2</sub> structure of sol-gel nanopowders.  
The 15<sup>th</sup> International Conference of Physical Chemistry, ROMPHYSICHEM 15, September 11-13, 2013, Bucharest, Romania

2.6. M. Răileanu, M. Crişan, A. Ianculescu, D. Crişan, N. Drăgan, L. Todan, P. Osiceanu, S. Somăcescu, N. Stănică.  
Effects of Ni dopant on TiO<sub>2</sub> structure of sol-gel nanopowders.  
The 15<sup>th</sup> International Conference of Physical Chemistry, ROMPHYSICHEM 15, September 11-13, 2013, Bucharest, Romania

2.7. P. Oancea, I. Niţoi, I. Cristea, N. Drăgan, D. Crişan, M. Răileanu, M. Crişan.  
Light-induced advanced degradation of nitrobenzene by metal doped TiO<sub>2</sub> photocatalyst.  
The 15<sup>th</sup> International Conference of Physical Chemistry, ROMPHYSICHEM 15, September 11-13, 2013, Bucharest, Romania

2.8. I. Niţoi, P. Oancea, M. Răileanu, M. Crişan, I. Cristea.  
Application of TiO<sub>2</sub> - based photocatalysts for xenobiotics degradation from water: Nitrobenzene case study.  
International Symposium “Mediul şi Industria”, Bucureşti, 28-29.10.2013