

# Lista de Lucrări

## I. Articole științifice publicate

### Fără factor de impact

1. Studies on adsorption capacity of cationic dyes on several magnetic nanoparticles, Constantin Vîrlan, Radu George Ciocârlan, [Tiberiu Roman](#), Daniel Gherca\* , Nicoleta Cornei, Aurel Pui, Volume 21, Issue 1 (May 2013), ACTA CHEMICA IASI.

### Cu factor de impact

2. Synthesis and adsorption properties of nanocrystalline ferrites for kinetic modeling development, [Roman T.](#), R.L. Asavei, N. E. Karkalos, C. Roman, C. Virlan, N. Cimpoesu, B. Istrate, M. Zaharia, A. P. Markopoulos, K. Kordatos, S. Stanciu, A. Pui., International Journal of Applied Ceramic Technology, Online - DOI: 10.1111/ijac.1309, p.1–13, (August 2018).

## II. Participări la manifestări științifice

### Internaționale

1. [Tiberiu Roman](#), Marius Zaharia, Aurel Pui, Sergiu Stanciu, Kinetic modelling development of dye-ferrite systems in wastewater management, poster YRICCCE 2018, Budapesta 02-05 Mai 2018.
2. M. Zaharia, [T. Roman](#), A. Pui, R. Gradinaru, O. Pintilie, G. Zbancioc, G. Drochioiu, Enhanced photocatalytic degradation of dinitrophenol contaminants by ferrite ( $\text{ZnFe}_2\text{O}_4$ ) nanoparticles, prezentare orală YRICCCE 2018, Budapesta, 02-05 May.
3. M. Zaharia, [T. Roman](#), A. Pui, G. Zbancioc, M. Murariu, G. Drochioiu, Novel mechanism of ferrite-induced photodegradation of dinitrophenols into non-hazardous products, poster 8th European Chemistry Congress, Theme: exploring recent advances in chemistry, related fields and applications 2018, Paris 21-23 Iunie 2018.

### Naționale

4. [Roman T.](#), Pui A., Stanciu S., Surface characterization of  $\text{MFe}_2\text{O}_4$  powder obtained by using olive oil as a surfactant agent, poster BRAMAT 2017, Brașov 9-11 Martie 2017.
5. [T. Roman](#), R.L. Asavei, A. Pui, S. Stanciu, Experimental data of functionalized nanocrystalline ferrites  $\text{MFe}_2\text{O}_4$  ( $\text{M} = \text{Co}, \text{Mg}, \text{Mn}, \text{Ni}, \text{Zn}$ ) adsorption capability for Congo red dye, poster IașiCHEM 2017, Iași 26-28 Octombrie 2017.

6. [T. Roman](#), M. Zaharia, A. Pui, S. Stanciu, Structural behaviour and magnetic properties of cerium doped copper ferrites at 600°C and 950°C, Comunicare orală A XXXV-a Conferință Națională de Chimie, Râmnicul Vâlcea - Căciulata 2-5 octombrie 2018.
7. Zaharia M., [Roman T.](#), Ion L., Mihai A., Zbancioc G., Pui A., Gradinaru R.V., Drochioiu G., Photohydrolysis of dinitrophenol pollutants on zinc ferrite nanoparticles Comunicare orală A XXXV-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE, Râmnicul Vâlcea - Căciulata 2-5 octombrie 2018.
8. [Roman T.](#), Zaharia M., Pui A., Stanciu S., Structural changes of cerium doped copper ferrites during sintering process, poster IașiCHEM 2018, Iași 25-26 Octombrie 2018.