

Fișă standarde minimale pe domenii ale universității

pentru postul de lector, domeniul Chimie, conform Anexei 2

6 lucrări științifice publicate in extenso în reviste internaționale, dintre care 3 autor principal în reviste cotate ISI:

- [1] **D. Maftei**, G. Zbancioc, I. Humelnicu, and I. Mangalagiu, *Conformational Effects on the Lowest Excited States of Benzoyl-Pyrrolopyridazine: Insights from PCM Time-Dependent DFT.*, *J. Phys. Chem. A*, 2013, **117**(15), 3165–3175, DOI: 10.1021/jp311396m. (**factor de impact 2013 = 2.775**)
- [2] **D. Maftei**, D. Mantu, and V. Bejan, *Crystal structure of 8-(4-Methylbenzoyl)benzo [5,6] isoindolo [1,2-a] phthalazine-9,14-dione*, *Rev. Chim.*, 2013, **64**(3), 301–303. (**factor de impact 2013/2014 = 0.677**)
- [3] **D. Maftei**, I. V. Asaftei, I. Sandu, L. R. Manea, L. M. Bîrsă, and K. Earar, *Conversion of Industrial Feedstock mainly with Butanes and Butenes over HZSM-5 and Zn/HZSM-5 (nitrate) Catalysts*, *Rev. Chim. (Bucharest)*, 2015, **66**(5). (**factor de impact 2013/2014 = 0.677**)
- [4] L. Odochian, C. Moldoveanu, and **D. Maftei**, *TG–FTIR study on thermal degradation mechanism of PTFE under nitrogen atmosphere and in air. Influence of the grain size*, *Thermochimica Acta*, 2014, **598**, 28 – 35, DOI: 10.1016/j.tca.2014.10.023. (**factor de impact 2013/2014 = 2.105**)
- [5] A. Fifere, N. Marangoci, S. Maier, A. Coroaba, **D. Maftei**, and M. Pinteala, *Theoretical study on β -cyclodextrin inclusion complexes with propiconazole and protonated propiconazole*, *Beilstein Journal of Organic Chemistry*, 2012, **8**, 2191–2201, DOI: 10.3762/bjoc.8.247. (**factor de impact 2012 = 2.801**)
- [6] D. Mantu, **D. Maftei**, D. Iurea, C. Ursu, and V. Bejan, *Synthesis, structure, and in vitro anticancer activity of new polycyclic 1,2-diazines*, *Medicinal Chemistry Research*, 2013, **11**, 1–7, DOI: 10.1007/s00044-013-0878-8. (**factor de impact 2012 = 1.612**)
- [7] M. Zaharia, S. Jurcoane, **D. Maftei**, A. Pui, C. Dumitras-Hutanu, and R. Gradinaru, *Yeast biodegradation of some pesticide dinitrophenols*, *Romanian Biotechnological Letters*, 2013, **18**(2), 8144–8151. (**factor de impact 2013 = 0.351**)

- [8] M. Zaharia, **D. Maftei**, C. Dumitras-Hutanu, P. Aurel, Z. Lagobo, O. Pintilie, and R. Gradinaru, *Biodegradation of pesticides DINOCA and DNOC by yeast suspensions in a batch system*, *Revista de Chimie*, 2013, **64**(4), 388–392. (**factor de impact** 2013/2014 = **0.677**)
- [9] D. Mantu, D. Maftei, D. Iurea, and V. Bejan Antoci, *Crystal Structure of Ethyl 5,10-dioxo-5,10-dihydrobenzo[f]pyridazino[6,1-a]isoindole-11-carboxylate*, *Rev. Chim.*, 2012, **63**(12), 1239–1242. (**factor de impact** 2012 = **0.538**)
- [10] D. Ivanov, **D. Maftei**, and M. Constantinescu, *Maleamic acids cyclodehydration with anhydrides. DFT study in the gas phase and solution*, *Revue Roumaine de Chimie*, 2011, **56**(2), 89–95. (**factor de impact** 2011 = **0.418**)

Membru în echipa a 2 proiecte de cercetare:

1. Grant PN-II-IDEI-PCCE-239 9/2010, CNCSIS 239, *O nouă generație de paradigme în magnetismul molecular și știința materialelor, anizotropia magnetică în unități complexe, sisteme supramoleculare și la nano-scală*, 2010-2012, director Conf. Dr. Ionel Humelnicu
2. Grant PN-II-RU-TE-2011-3-0010, nr. contract: 0010-79/05.10.2011, *New imidazole derivatives – from ionic liquids to N-heterocyclic carbenes – with potential practical applications*, director Lect. dr. Costel Moldoveanu

Minim 25 puncte de la ultima promovare:

- ultima promovare (pe postul de asistent universitar): martie 2008
- punctaj Cap. I. I. din fișa de autoevaluare 612.3 puncte

10 iunie 2015

Asist. univ. dr. **Dan Maftei**