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Domeniu de cercetare: Chimie Organică – Chimia heterociclurilor cu azot

Activitate didactică : Seminar-laborator: Analiza structurală organică, An III

Laborator: Compuși naturali, Secția Științe, Master Fizică

Activitate științifică:

- Participări la manifestări științifice: naționale – **47** , internaționale –**32**.
- Articole publicate: în reviste cotate ISI – **11** (10 regular paper, 1-proceeding); în reviste fără factor de impact –**3**. (h-index: **4**)

Lucrări științifice reprezentative:

1. Danac, R.; Daniloaia, T.; **Antoci, V.**; Vasilache, V.; Mangalagiu, I.I.: *Design, Synthesis and Antimycobacterial Activity of Some New Azaheterocycles: Phenanthroline with p-halo-benzoyl Skeleton. Part V*, Lett. Drug Des. Discov., **12(1)**, 14-19, **2015**. (IF/2014=**0.961**)

2. **Antoci, V.**; Mantu, D.; Cozma, D. G.; Ursu, C.; Mangalagiu, I. I.: *Hybrid anticancer 1,2- diazine derivatives with multiple mechanism of action. Part 3 [4,5]*, Med. Hypotheses, **82(1)**, 11-15, **2014**. (IF/2012= **1.054**)

3. Mantu, D.; Maftai, D.; Iurea, D.; Ursu, C.; **Bejan, V.**: *Synthesis, structure and in vitro anticancer activity of new polycyclic 1,2-diazines*, MedChemRes, **23**, 2909-2015, **2014**. (IF/2012= **1.612**)

4. **Antoci, V.**; Apostu, M.; Ciobanu, C.; Mantu, D.: *NMR and X-ray Studies Concerning Structure of 6,6'-(Oxybis(4,1-phenylene))bis-(2-allylpyridazin-3(2H)-one)*, Acta Chemica Iasi, **22(1)**, 25-38, **2014**. DOI: 10.2478/achi-2014-0003.

5. Maftai, D.; Mantu, D.; **Bejan (Antoci) V.**: *Crystal Structure of 8-(4-methylbenzoyl)benzo [5,6]isoindolo [1,2-a]phthalazine-9,14-dione*, Rev. Chim. (Bucharest), **64(3)**, 301-303, **2013**. (IF/2011= **0.599**)

6. Mantu, D.; **Antoci, V.**; Mangalagiu, I. I.: *Design, Synthesis and Antimycobacterial Activity of Some New Pyridazine Derivatives: Bis-pyridazine. Part IV*, Infectious Disorders – Drug Targets, **13**, 344-351, **2013**.



7. Mantu, D.; Ene, E.; **Antoci, V.**; Zbancioc, A.M.: *Diazolium salts with dihydroxyacetophenone skeleton with anticipated anticancer and antibacterial activity*, Acta Chemica Iasi, **21**, 9-18, **2013**. ISSN 2067 – 2438.
8. Mantu, D.; Maftai, D.; Iurea, D.; **Bejan (Antoci), V.**: *Crystal Structure of Ethyl 5,10-dioxo-5,10-dihydrobenzo[*f*]pyridazino[6,1-*a*]isoindole-11-carboxylate*, Rev. Chim. (Bucharest), **63(12)**, 1239-1242, **2012**. (IF/2011= **0.599**)
9. Bejan, V.; **Mantu, D.**; Mangalagiu, I.I.: *Ultrasound and microwave assisted synthesis of isoindolo-1,2-diazine: A comparative study*, Ultrason. Sonochem., **19(5)**, 999-1002, **2012**. (IF/2011= **3.567**)
10. **Bejan, V.**; Mangalagiu, I.I.: *Benzo[*f*]quinoline: Synthesis and Structural Analysis*, Rev. Chim. (Bucharest), **62(2)**, 199-200, **2011**. (IF/2011=**0.599**)
11. **Bejan, V.**; Moldoveanu, C.; Mangalagiu, I.: *Ultrasound assisted reactions of steroid analogous of anticipated biological activities*, Ultrason. Sonochem., **16**, 312-315, **2009**. (IF/2009= **2.993**)
12. Zbancioc, Ghe.; **Bejan, V.**; Risca, M.; Moldoveanu, C.; Mangalagiu, I.: *Microwave Assisted Reactions of Some Azaheterocyclic Compounds*, Molecules, **14**, 403-411, **2009**. (IF/2009=**1.738**)
13. Butnariu, R.; Caproșu, M.; **Bejan, V.**; Ungureanu, M.; Poiata, A.; Tuchilus, C.; Florescu, M.; Mangalagiu, I.: *Pyridazine and Phthalazine Derivatives with Potential Antimicrobial Activity*, J. Heterocyclic Chem., **44**, 1149-1152, **2007**. (IF/2008=**0.899**)