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**Domeniu de cercetare:** Chimie Organică – Chimia heterociclurilor cu azot

**Titular:** Laborator: Bazele Chimiei Organice. Hidrocarburi, An I

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**Activitate științifică:**

- Participări la manifestări științifice: naționale – **37**, internaționale – **19**.
- Articole publicate: în reviste cotate ISI – **11**; în reviste fără factor de impact – **4**. (h-index: **3**)

**Lucrări științifice:**

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2. **Mantu, D.**; Maftai, D.; Iurea, D.; Ursu, C.; Bejan, V.: Synthesis, structure and *in vitro* anticancer activity of new polycyclic 1,2-diazines, *MedChemRes*, **xx(x)**, 1-7, **2013**. doi: 10.1007/s00044-013-0878-8 (IF/2012= **1.612**)
3. Tucaliuc R. –A.; Cotea, V.V.; Niculaua, M.; Tuchilus, C.; **Mantu, D.**; Mangalagiu, I.I.: New pyridazine-fluorine derivatives: Synthesis, chemistry and biological activity. Part II, *Eur. J. Med. Chem.*, **67(1)**, 367-372, **2013**. (IF/2012= **3.499**)
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8. Humelnicu, D.; Arsene, C.; Burghele, B.; Bertescu, M.; Humelnicu, I.; Sandu, I.; **Mantu, D.**; Olariu, R.-I.: Interaction of Actinide Cations with Heteropolyoxotungstate Ions [SiW11O39]8<sup>-</sup> and [SiW12O40]4<sup>-</sup>, *Revista de Chimie*, **61(9)**, 841-844, **2010**. (IF/2010= **0.693**)
9. Zbancioc, G.; Zbancioc, A.M.; **Mantu, D.**; Miron, A.; Tanase, C.; Mangalagiu, I.I.: Ultrasounds-assisted synthesis of highly functionalized acetophenone derivatives in heterogeneous catalysis, *Rev. Roum. Chim.*, **55(11-12)**, 983-987, **2010**. (IF/2010 = **0.311**)
10. **Mantu, D.**; Moldoveanu, C.; Nicolescu, A.; Deleanu, C.; Mangalagiu, I.I.: A facile synthesis of pyridazinone derivatives under ultrasonic irradiation, *Ultrason. Sonochem.*, **16(4)**, 452-454, **2009**. (IF/2009 = **2.993**)
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