

## LISTĂ DE LUCRĂRI

### Articole științifice publicate *in extenso* în reviste cotate Web of Science cu factor de impact

- 1) Cucu, D., Mangalagiu, V., Amariuca-Mantu, D., Antoci, V., Mangalagiu I.I., Imidazolium ylides: cycloaddition versus hydrolysis, *Studia UBB Chemia*, LXIV, 3, 59-66, **2019**. DOI:10.24193/subbchem.2019.3.05 (Factor de impact **0,275**)
- 2) Antoci, V., Cucu, D., Zbancioc, G., Moldoveanu, C., Mangalagiu, V., Amariuca-Mantu, D., Aricu, A., Mangalagiu, I.I., Bis-(imidazole/benzimidazole)-pyridine derivatives: synthesis, structure and antimycobacterial activity. Part XII, 10.4155/fmc-2019-0063, *in press*, **2019**. (Factor de impact **3,617**)

### Articole științifice publicate *in extenso* în reviste indexate fără factor de impact

- 1) Cucu (Diaconu), D., Mangalagiu, V., Pyridine-imidazolium salts: oxidatively cleavage of N-C bond via nitration, *Molbank*, M1095, doi:10.3390/M1095, **2019**.

### Articole publicate în volumele conferințelor (*Proceedings*)

#### ISI

- 1) Cucu, D., Amăriucăi-Mantu, D., Antoci, V., Mangalagiu I.I., Quinoline derivatives anchored with imidazole moiety: synthesis, structure and biological activity, *Journal of Chemical Sciences*, DOI: 10.4172/2150-3494-C4-027, 9, 47, **2018**. (Factor de impact **1,496**)
- 2) Mangalagiu, V., Amăriucăi-Mantu, D., Cucu, D., Antoci, V., Mangalagiu, I.I., Azaheterocycles with antimycobacterial activity, *Journal of Chemical Sciences*, DOI: 10.4172/2150-3494-C4-027, 9, 53, **2018**. (Factor de impact **1,496**)
- 3) Mangalagiu, V., Oniciuc, L., Cucu, D., Antoci, V., Mangalagiu, I.I., Sandrine Cojean, Phillipe Loiseau, New molecules with azaheterocycles skeleton of potential interest in leishmaniasis, *Organic Chemistry: Current Research*, DOI: 10.4172/2161-0401-C1-023, 7, 115, **2018**. (Factor de impact **0,53**)

#### BDI

- 4) Cucu, D., Amăriucăi-Mantu, D., Antoci, V., Ciobanu, C.I., Mangalagiu, I.I., Benzimidazole derivatives: key intermediates in the synthesis of fused azaheterocycles, *Acta Chemica Iasi*, DOI: 10.2478/achi-2018-0023, 26 (2), 369-394, **2018**.
- 5) Grigore, M.M., Cucu, D., Amăriucăi-Mantu, D., Vasilache, V., Mangalagiu, I.I., Synthesis of new imidazolium/benzimidazolium salts: conventional versus nonconventional methods, *Acta Chemica Iasi*, DOI: 10.1515/achi-2017-0019, 25 (2), 304-342, **2017**.
- 6) Amăriucăi-Mantu, D., Cucu, D., Bratanovici, B., Moldoveanu, C., Zbancioc, G., Mangalagiu, I.I., New imidazole/benzimidazole derivatives and their biological interest, *Acta Chemica Iasi*, DOI: 10.1515/achi-2017-0018, 25 (2), 232-303, **2017**.

## Participări la manifestări științifice

### Internaționale

- 1) **2<sup>nd</sup> World Congress on Chemistry, Chemistry-2019, Roma, Italia, 28-29 Octombrie, 2019.**  
<https://biocoreconferences.com/chemistry-congress-2019/>  
Cucu (Diaconu), D., Amariuca-Mantu, D., Antoci, V., Mangalagiu, I.I., Design and synthesis of a novel quinoline-based potential antileishmanial agents, Abstract in Book of Abstracts of 2nd World Congress on Chemistry 2019, pag. 23., **2019**.
- 2) **6<sup>th</sup> International Conference on Computational and Experimental Science and Engineering, ICCESEN- 2019, Antalya, Turcia, 23-27 Octombrie, 2019**  
[www.iccesen.org](http://www.iccesen.org)  
Mangalagiu, I.I., Mangalagiu, V.; Antoci, V., Amariuca-Mantu, D., Cucu, D., Discovery of antituberculosis derivatives: a challenging issue, Abstract in Book of Abstracts of 6th International Conference on Computational and Experimental Science and Engineering 2019,, 70-132, pag. 368, **2019**. (Oral presentation).
- 3) **21<sup>st</sup> Romanian International Conference on Chemistry and Chemical Engineering, RICCE 21, Constanta, Romania, 4-7 Septembrie, 2019**  
<http://ricce21.chimie.upb.ro/>  
Cucu, D., Antoci, V., Amariuca-Mantu, D., Ciobanu, C.I., Moldoveanu, C., mangalagiu, V., Mangalagiu, I.I., Design, synthesis, structure and anti-TB activity of some new pyridine derivatives anchored with benzimidazole moieties, Abstract in Book of Abstract 21st Romanian International Conference on Chemistry and Chemical Engineering 2019, S1-050, **2019**. (Poster)
- 4) **21<sup>st</sup> Romanian International Conference on Chemistry and Chemical Engineering, RICCE 21, Constanta, Romania, 4-7 Septembrie, 2019**  
<http://ricce21.chimie.upb.ro/>  
Antoci, V., Amariuca-Mantu, D., Cucu, D., Mangalagiu, V., Loiseau, P., Cojean, S., Ciobanu, C.I., Zbancioc, G., Mangalagiu, I.I., New PyrroloBenzoQuinonePhthalazines and PyrroloBenzoQuinonePyridazines: Synthesis, Structure and Anti-leishmaniasis Activity, Abstract in Book of Abstract 21st Romanian International Conference on Chemistry and Chemical Engineering 2019, S1-051, **2019**. (Comunicare orală)
- 5) **The 23rd International Exhibition of Inventics, INVENTICA 2019, Iași, România, 26-28 Iunie 2019.**  
<http://ini.tuiasi.ro/salon/>  
Mangalagiu, I.I., Amariuca-Mantu, D., Antoci, V., Zbancioc, G., Moldoveanu, C., Cucu, D., Danac, R., Mangalagiu, V., Process for obtaining a novel class of antracene-imidazole compounds with antituberculosis activity, Abstract in The 23rd International Exhibition of Inventics 2019, Patent A/00163/13.03.2019, pag. 167, **2019**. (Poster)
- 6) **World Congress on Functional Materials and Nanotechnology, WCFMN 2019, Valencia, Spania, 13-14 Mai, 2019**  
<http://functionalmaterials.conferenceera.com/spain/>  
Cucu, D., Antoci, V., Amariuca-Mantu, D., Drochioiu, G., Mangalagiu V., Chemosensors based on imidazole moiety and their coordination complexes with bivalent metals, Abstract in Book of Abstracts of World Congress on Functional Materials and Nanotechnology 2019, poster nr. 13, **2019**. (Poster presentation).

- 7) **5<sup>th</sup> International Conference on Organic and Inorganic Chemistry, Paris, France, 12-13 July, 2018**  
<https://organic-chemistry.chemistryconferences.org/>  
Cucu, D., Amăriucăi-Mantu, D., Antoci, V., Mangalagiu, I.I., Quinoline derivatives anchored with imidazole moiety: synthesis, structure and biological activity, Abstract in Proceedings of 5th International Conference on Organic and Inorganic Chemistry 2018, pp. 47, Journal of Chemical Sciences 2018, Volume: 9, DOI: 10.4172/2150-3494-C4-027, **2018**.
- 8) **5<sup>th</sup> International Conference on Organic and Inorganic Chemistry, Paris, France, 12-13 July, 2018**  
<https://organic-chemistry.chemistryconferences.org/>  
Mangalagiu, V., Amăriucăi-Mantu, D., Cucu, D., Antoci, V., Mangalagiu, I.I., Azaheterocycles with antimycobacterial activity, Abstract in Proceedings of 5th International Conference on Organic and Inorganic Chemistry 2018, pp. 53, Journal of Chemical Sciences 2018, Volume: 9, DOI: 10.4172/2150-3494-C4-027, **2018**.
- 9) **4<sup>th</sup> European Organic Chemistry Congress, London, United Kingdom, 01-03 March, 2018**  
<https://organicchemistry.conferenceseries.com/europe/>  
Mangalagiu, V., Oniciuc, L., Cucu, D., Antoci, V., Mangalagiu, I.I., Cojean, S., Loiseau, P.L., New molecules with azaheterocycles skeleton of potential interest in leishmaniasis, Abstract in Proceedings of 4th European Organic Chemistry Congress 2018, pp. 115, Organic Chemistry: Current Research 2018, Volume:7, DOI: 10.4172/2161-0401-C1-023, **2018**.
- 10) **4ème Colloque Franco-Roumain de Chimie Médicinale, Iasi, Romania, 05-07 October 2017**  
[www.chem.uaic.ro/cofrocm-2017/](http://www.chem.uaic.ro/cofrocm-2017/)  
Amăriucăi-Mantu, D., Cucu, D., Bratanovici, B.I., Moldoveanu C., Zbancioc, G., Mangalagiu, I.I., New imidazole/benzimidazole derivatives and their biological interest, Abstract in Acta Chemica, vol. 25(2), pag. 278, **2017**.

#### Naționale

- 1) **Conferința Națională a Școlilor Doctorale din Consorțiul Universitaria, Ediția a II-a, Timișoara, România, 11-14 Noiembrie, 2019**  
Cucu (Diaconu), D., Amariuca-Mantu, D., Dunca, S.I., Mangalagiu, I.I., Designul, sinteza și proprietățile antimicrobiene a unor noi derivați de 8-aminochinolină, Abstract in Book of abstracts Conferința Națională a Școlilor Doctorale din Consorțiul Universitaria, Ediția a II-a, pag. 39, **2019**. (Comunicare orală)
- 2) **IasiChem 2019, 3<sup>rd</sup> Edition, Faculty of Chemistry Conference, Iași, România, 31-01 Noiembrie 2019**  
<http://www.chem.uaic.ro/ro/manifestari/zu-2019.html>  
Cucu (Diaconu), D., Antoci, V., Mangalagiu, V., Amariuca-Mantu, D., Moldoveanu, C., Mangalagiu, I.I., Novel bis-(imidazole/benzimidazole)-pyridine hybrids: synthesis, structure and antimycobacterial activity studies, Abstract in Book of abstracts IasiChem 2019, PII-01, pag. 41, **2019**. (Poster)
- 3) **IasiChem 2019, 3<sup>rd</sup> Edition, Faculty of Chemistry Conference, Iași, România, 31-01 Noiembrie 2019**  
<http://www.chem.uaic.ro/ro/manifestari/zu-2019.html>  
Moldoveanu, C., Mangalagiu, V., Zbancioc, G., Amariuca-Mantu, D., Antoci, V., Cucu (Diaconu), D., Mangalagiu, I.I., New insights on the 1,3-dipolar cycloaddition of benzimidazolium ylides, Abstract in Book of abstracts IasiChem 2019, PII-18, pag. 58, **2019**. (Poster)
- 4) **IasiChem 2019, 3<sup>rd</sup> Edition, Faculty of Chemistry Conference, Iași, România, 31-01 Noiembrie 2019**  
<http://www.chem.uaic.ro/ro/manifestari/zu-2019.html>

Antoci, V., Amariuca-Mantu, D., Mangalagiu, V., Cucu (Diaconu), D., Ciobanu, C.I., Zbancioc, G., Mangalagiu, I.I., Newly vinyl-pyrrolo-phthalazine/pyridazine cycloadducts and their polymeric materials, Abstract in Book of abstracts IasiChem 2019, PI-17, pag. 32, **2019**. (Poster)

- 5) Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor, Editia a X-a, SCSSMD 2019, Iași, România, 20-21 Iunie 2019.**

<http://www.chem.uaic.ro/ro/manifestari/ssmd-2019.html>

Cucu, D., Amăriucăi-Mantu, D., Antoci, V., Ciobanu, C.I., Mangalagiu, I.I., Benzimidazole derivatives: they intermediates in the synthesis of fused azaheterocycles, Abstract in Book of Abstracts Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor 2019, pag. 18-19, **2019**. (Comunicare orală)

- 6) Conferința Națională a Școlilor Doctorale din Consorțiul Universitaria, Iași, România, 31 Octombrie - 3 Noiembrie 2018**

<http://www.uaic.ro/event/conferinta-nationala-a-scolilor-doctorale-din-consortiu-universitaria-editia-i/>

Cucu, D., Mangalagiu, I.I., Noi derivați hibridi de chinolină cu schelet benzimidazolic, Abstract in Conferința Națională a Școlilor Doctorale din Consorțiul Universitaria, Ediția I, pp. 35, **2018**.

- 7) IasiChem 2018, Faculty of Chemistry Conference, Iași, România, 25-26 October 2018**

<http://www.chem.uaic.ro/ro/manifestari/zu-2018.html>

Cucu, D., Amăriucăi-Mantu, D., Ciobanu, I.C., Mangalagiu, I.I., Synthesis and characterization of some novel hybrids based on pyridine/quinoline and imidazole/benzimidazole moieties, Abstract in Book of abstracts IasiCHEM 2018, pp. 44, **2018**. **PREMIUL II pentru cel mai bun poster**

- 8) XXXV-th Romanian Chemistry Conference, Călimănești-Căciulata, Vâlcea, România, 2-5 October, 2018**

<http://conference.oltchim.ro/>

Cucu, D., Amăriucăi-Mantu, D., Ciobanu, I.C., Mangalagiu, V., Mangalagiu, I.I., New hybrid quinoline derivatives anchored with imidazole moiety, Abstract in XXXV-th Romanian Chemistry Conference 2018, Chimie organică, bioorganică și alimentară, pp. 7, **2018**.

- 9) Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor, Iași, România, 29-30 Iunie 2018**

<http://www.chem.uaic.ro/ro/manifestari/ssmd-2018.html>

Cucu, D., Amăriucăi-Mantu, D., Ciobanu, I.C., Mangalagiu, V., Mangalagiu, I.I., New hybrid quinoline derivatives with imidazole skeleton, Abstract in Sesiunea de comunicări științifice a studenților, masteranzilor și doctoranzilor **2018**.

- 10) IasiChem 2017, Faculty of Chemistry Conference, Iasi, Romania, 26-28 October 2017**

<http://www.chem.uaic.ro/ro/manifestari/zu-2017.html>

Grigore, M.-M., Cucu, D., Amăriucăi-Mantu, D., Vasilache, V., Mangalagiu, I.I., Synthesis of new imidazolium/benzimidazolium salts: conventional versus nonconventional methods, Abstract in Acta Chemica, vol. 25(2), pag. 328, **2017**.