



Școala Doctorală de Chimie

TEMATICA PENTRU CONCURSUL DE ADMITERE LA DOCTORAT sesiunea septembrie 2022

Prof. univ. dr. Ionel MANGALAGIU

1. Compuși hibrizi azaheterociclici cu potențiale aplicații practice (ro)
Hybrid azaheterocyclic compounds with potential practical applications (en)

Bibliografie/References

1. Antoci, V., Cucu, D., Zbancioc, Ghe., Moldoveanu, C., Mangalagiu, V., Amariuca-Mantu, D., Aricu, A., Mangalagiu, I.I., Bis-(imidazole/benzimidazole)-pyridine derivatives: synthesis, structure and antimycobacterial activity. Part XII, *Future Medicinal Chemistry*, 12, 207-222, **2020**.
2. Olaru, A., Vasilache, V., Danac, R., Mangalagiu I.I., Antimycobacterial activity of nitrogen heterocycles derivatives: 7-(pyridine-4-yl)- indolizine derivatives. Part VII, *Journal of Enzyme Inhibition and Medicinal Chemistry*, 32, 1291-1298, **2017**.
3. Mantu, D., Antoci, V., Moldoveanu, C., Zbancioc, Ghe., Mangalagiu, I.I., Hybrid imidazole (benzimidazole) / pyridine (quinoline) derivatives and evaluation of their anticancer and antimycobacterial activity, *Journal of Enzyme Inhibition And Medicinal Chemistry*, 31, 96-103, **2016**.
4. Mantu, D., Antoci, V., Nicolescu, A., Deleanu, C., Vasilache, V., Mangalagiu, I.I., Synthesis, stereochemical studies and antimycobacterial activity of new acetylhydrazines pyridazinone, *Current Organic Synthesis*, 14, 112-119, **2017**.
5. Zbancioc, Ghe., Zbancioc, A.M., Mangalagiu, I.I., Ultrasound and microwave assisted synthesis of dihydroxyacetophenone derivatives with or without 1,2-diazine skeleton, *Ultrasonics Sonochemistry*, 21, 802-811, **2014**.
6. Kuchkova, K., Aricu, A., Barba, A., Vlad, P., Shova, S., Secara, E., Ungur, N., Zbancioc, Ghe., Mangalagiu, I.I., An efficient and straightforward method to new homodrimane sesquiterpenoids with diazine units, *Synlett*, 24, 697-700, **2013**.
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