



Școala Doctorală de Chimie

TEMATICA PENTRU CONCURSUL DE ADMITERE LA DOCTORAT sesiunea septembrie 2023

Prof. univ. dr. Ionel MANGALAGIU

1. **Compuși hibridi azaheterociclici cu potențiale aplicații practice (ro)**
Hybrid azaheterocyclic compounds with potential practical applications (en)
2. **Compuși hibridi și/sau chimerici și/sau hibrid-chimeric cu schelet azinic: design, sinteză, structură, aplicații (ro)**
Hybrid and/or chimeric and/or hybrid-chimeric compounds with azine skeleton: design, structure, applications (en)
3. **Compuși hibridi și/sau chimerici și/sau hibrid-chimeric cu schelet 1,2-diazinic: design, sinteză, structură, aplicații (ro)**
Hybrid and/or chimeric and/or hybrid-chimeric (en)
4. **Compuși azaheterociclici de 5 și 6 atomi: sinteză, structură, aplicații (ro)**
Five and six member ring azaheterocycles: design, structure, applications (en)

Bibliografie/References

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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**.
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