

INDEPLINIRE STANDARDE MINIMALE CHIMIE CSII

Ramona Danac

1. **Indeplinire standarde minimele conditii CSII stabilite de comisia CHIMIE din cadrul CNATDCU -indeplinit**

Categorie	N _{max}	FIC	FIC _d	FIC _{AP}	FIC _{AC}	h index
CSII	30	50	-	20	-	9
Danac Ramona	30		-	49	-	14
	indeplinit	indeplinit	-	indeplinit	-	indeplinit

List of Publications:

1. C. Gherasim, A. Airinei*, R. Tigoianu, A.M. Craciun, **R. Danac***, A. Nicolescu, D. L. Isac, I.I. Mangalagiu, Synthesis and photophysical insights on new fused N-heterocyclic derivatives with isoquinoline skeleton, *J. Mol. Liq.*, **310**, (2020), 113196. (IF 4.561)
2. D. Amariuca-Mantu, V. Mangalagiu, **R. Danac**, I.I. Mangalagiu, Microwave assisted reactions of azaheterocycles for medicinal chemistry applications, *Molecules*, **25(3)**, (2020), 716. (IF 3.060)
3. **R. Danac**, A. Pui, I. Corja, R.-M. Amarandi, C.I. Ciobanu, M.-O. Apostu, O. Palamarcu, New M(II) (M=Mn, Co, Ni, Cu, Zn, Pd) coordinative compounds with 2-formylpyridine S-methyl-isothiosemicarbazide, *J. Mol. Struct.*, (2020), **1207**, 12747. (IF 2.120)
4. C.M. Al Matarneh, R.M. Amarandi, A.M. Craciun, I.I. Mangalagiu, G. Zbancioc*, R. Danac*, Design, synthesis, molecular modelling and anticancer activities of new fused phenanthrolines, *Molecules*, (2020), **25**, 527, 16p. (IF 3.060)
5. C.M. Al Matarneh, M.C. Sardaru, M.O. Apostu, I. Rosca, C. I. Ciobanu, I.I. Mangalagiu, **R. Danac**, Synthesis and antibacterial evaluation of new pyrrolo[3',4':3,4]pyrrolo[1,2-a]quinoline and pyrrolo[3',4':3,4]pyrrolo[2,1-a]isoquinoline derivatives, *Studia UBB Chimia*, **LXIV(3)**, (2019), 67-80. (IF 0.275)
6. L. Popovici, R.M. Amarandi, I.I. Mangalagiu, V. Mangalagiu*, **R. Danac***, Synthesis, molecular modelling and anticancer evaluation of new pyrrolo[1,2-b]pyridazine and pyrrolo[2,1-a]phthalazine derivatives, *J. Enz. Inhib. Med. Chem.*, (2019), **34**, 230-243. (IF 4.027)
7. L. Leontie, **R. Danac**, A. Carlescu, C. Doroftei, G.G. Rusu, V. Tiron, S. Gurlui, O. Susu, Electric and optical Properties of some new functional lower-rim-substituted calixarene derivatives in thin films, *Appl. Phys. A*, **124**, (2018), 355. (IF 1.784)
8. A. Airinei, R. Tigoianu, **R. Danac**, C.M. Al Matarneh, D.L. Isac, Steady state and time resolved fluorescence studies of new indolizine derivatives with phenanthroline skeleton, *J. Lumin.*, **199**, (2018), 2-12. (IF 2.961)
9. Cristina M. Al Matarneh, Catalina I. Ciobanu, Mircea O. Apostu, Ionel I. Mangalagiu, **Ramona Danac***, Cycloaddition versus amidation in reactions of 2-amino-2-oxoethyl phenanthroline ylides to activated alkynes and alkenes, *C. R. Chimie*, **21(1)** (2018), 1-8. (IF 2.366)

10. Gabriela Pricope, Elena Laura Ursu, Monica Sardaru, Corneliu Cojocaru, Lilia Clima, Narcisa Marangoci, **Ramona Danac**, Ionel Mangalagiu, Bogdan C. Simionescu, Mariana Pinteala, Alexandru Rotaru, Novel cyclodextrin-based pH-sensitive supramolecular host-guest assembly for staining acidic cellular organelles, *Polym. Chem.*, **9**, (2018), 968-975. (IF 4.760)
11. A.-M. Olaru, V. Vasilache, **R. Danac***, I.I. Mangalagiu*, Antimycobacterial activity of nitrogen heterocycles derivatives: 7-(pyridine-4-yl)-indolizine derivatives. Part VII, *J. Enz. Inhib. Med. Chem.*, **32(1)**, (2017), 1291-1298. (IF 4.027)
12. N.-L. Marangoci, L. Popovici, E.-L. Ursu, **R. Danac**, L. Clima, C. Cojocaru, A. Coroaba, A. Neamtu, I.I. Mangalagiu, M. Pinteala, A. Rotaru, Pyridyl-indolizine derivatives as DNA binders and pH-sensible fluorescent dyes, *Tetrahedron*, **72**, (2016), 8215-8222. (IF 2.379)
13. **R. Danac**, L. Leontie, A. Carlescu, S. Shova, V. Tiron, G. G. Rusu, F. Iacomi, S. Gurlui, O. Şuşu, Gh. I. Rusu, Electric Conduction Mechanism of Some Heterocyclic Compounds, 4,4'-Bipyridine and Indolizine Derivatives in Thin Films, *Thin Solid Films*, **612**, (2016), 358-368. (IF 1.888)
14. C.M. Al Matarneh, M.O. Apostu, I.I. Mangalagiu, **R. Danac***, Reactions of ethyl cyanofomate with cycloimmonium salts: a direct pathway to fused or substituted azaheterocycles, *Tetrahedron*, **72**, (2016), 4230-4238. (IF 2.379)
15. C.M. Al Matarneh, I. I. Mangalagiu, S. Shova, **R. Danac***, Synthesis, structure, antimycobacterial and anticancer evaluation of new pyrrolo-phenanthroline derivatives, *J. Enz. Inhib. Med. Chem.*, **31(3)**, (2016), 470-480. (IF 4.027)
16. **R. Danac***, C. M. Al Matarneh, S. Shova, T. Daniloaia, M. Balan, I.I. Mangalagiu*, New indolizines with phenanthroline skeleton: synthesis, structure, antimycobacterial and anticancer evaluation, *Bioorg. Med. Chem.*, **23**, (2015), 2318-2327. (IF 2.802)
17. R. Rusu, A. Szumna, N. Rosu, C. Dumea, **R. Danac***, New Triazole Appended *tert*-Butyl Calix[4]arene Conjugates: Synthesis, Hg²⁺ Binding Studies, *Tetrahedron*, **71**, (2015), 2922-2926. (IF 2.379)
18. **R. Danac**, T. Daniloaia, V. Antoci, V. Vasilache, I. I. Mangalagiu, Design, Synthesis and Antimycobacterial Activity of Some New Azaheterocycles: Phenanthroline with *p-halo*-benzoyl Skeleton. Part V, *Lett. Drug Des. Discov.*, **12**, (2015), 14-17. (IF 0.953)
19. **R. Danac**, L. Leontie, M. Girtan, M. Prelipceanu, A. Graur, A. Carlescu, G.I. Rusu, On the d.c. electric conductivity and conduction mechanism of some stable disubstituted 4-(4-pyridyl)pyridinium ylides in thin films, *Thin Solid Films*, **556**, (2014), 216-222. (IF 1.888)
20. C. Rimbu, **R. Danac**, A. Pui, Antibacterial Activity of Pd(II) Complexes with Salicylaldehyde-amino Acids Schiff Bases Ligands, *Chemical and Pharmaceutical Bulletin*, **62(1)**, (2014), 12-15. (IF 1.405)
21. **R. Danac**, I. Mangalagiu, Antimycobacterial activity of nitrogen heterocycles derivatives: bipyridine derivatives. Part III, *Eur. J. Med. Chem.*, **74**, (2014), 664-670. (IF 4.833)
22. R. Postolachi, **R. Danac***, N. J. Buurma, A. Pui, M. Balan, S. Shova, C. Delanu, New Cycloimmonium Ylide Ligands and their Palladium (II) Affinities, *RSC Advances*, **3**, (2013), 17260-17270. (IF 3.049)
23. L. Leontie, **R. Danac**, M. Girtan, A. Carlescu, A.P. Rambu, G.I. Rusu, Electron transport properties of some new 4-*tert*-butylcalix[4]arene derivatives in thin films, *Materials Chemistry and Physics*, **135**, (2012), 123-129. (IF 2.781)

24. **R. Danac**, L. Leontie, A. Carlescu, G.I. Rusu, DC Electric Conduction Mechanism of Some Newly Synthesized Indolizine Derivatives in Thin Films, *Materials Chemistry and Physics*, **134**, (2012), 1042-1048. (IF 2.781)
25. **R. Danac***, R. Rusu, A. Rotaru, A. Pui, S. Sova, New Conjugates of Calix[4]arenes Bearing Bipyridine and Indolizine Heterocycles, *Supramolecular Chemistry*, **24(6)**, (2012), 424-435. (IF 1.660)
26. L. Leontie, **R. Danac**, N. Apetroaei, G.I. Rusu, Study of electronic transport properties of some new N-(p-R-phenacyl)-1,7-phenanthroline bromides in thin films, *Materials Chemistry and Physics*, **127**, (2011), 471-478. (IF 2.781)
27. E. van Dijkum, **R. Danac**, D.J. Hughes, R. Wood, A. Rees, B. L. Wilkinson and A. J. Fairbanks, Synthesis of glucose derivatives modified at the 4-OH as potential chain-terminators of cellulose biosynthesis; herbicidal activity of simple monosaccharide derivatives, *Organic & Biomolecular Chemistry*, **7**, (2009), 1097-1105. (IF 3.490)
28. **R. Danac**, L. Ball, S. J. Gurr, T. Muller and A. J. Fairbanks, Carbohydrate Chain Terminators: Rational Design of Novel Carbohydrate-Based Antifungal Agents, *ChemBioChem*, **8**, (2007), 1241-1245. (IF 2.641)
29. L. Leontie, **R. Danac**, I. Druta, Electrical conduction mechanism in N-(p-R-phenacyl)-4,5-diazafluorene-9-one bromides thin films, *Synthetic Metals*, **155(2-4)**, (2006), 224-229. (IF 2.870)
30. L. Leontie, **R. Danac**, Optical properties of some new synthesized organic semiconductors in thin films, *Scripta Materialia*, **54(2)**, (2006), 175-179. (IF 4.539)

2. **Un granturi nationale sau internationale castigate prin competitie ca director de proiect -indeplinit**

1. Project manager for PNII, MEC-CNCSIS code: IDEI_2023/2008-2011, Project title: Synthesis of new substituted calixarenes containing bipyridines and phenanthrolines derivatives and their properties and potential applications. (grant value: 100000EUR)

2. Project manager for Grant no. 3 CNCSIS 172 (2005-2006) Project title: Synthesis of New Phenanthroline and Bipyridine Derivatives and Their Biological, Electrical and Optical Properties (grant value: 20000 RON).

3. **activitatea stiintifica trebuie sa fie obligatoriu din domeniul postului -indeplinit**

Activitatea științifică este reprezentată prin lucrările științifice publicate în jurnale științifice sau prezentate la conferințe, precum și de contractele de cercetare științifică:

- peste 40 de articole în reviste cu factor de impact în domeniul chimiei compusilor heterociclici cu funcțiuni mixte și a proprietăților acestora (Vezi Lista de lucrări);
- circa 90 de lucrări prezentate la conferințe naționale și internaționale în domeniul chimiei organice (compusi heterociclici cu funcțiuni mixte și a proprietăților acestora (Vezi Lista de lucrări);

- 13 granturi, dintre care 3 granturi câștigate prin competiție ca director sau PI și alte 10 granturi ca membru în domeniul chimiei heterociclorilor și al compușilor cu activitate biologică (Vezi Lista de lucrări);

05.03.2021

Prof. Dr. Danac Ramona

