Curriculum vitae Europass

Informaţii personale

Nume / Prenume	**Danac Ramona**
Pozitie	**Conferentiar universitar**
Loc de munca	**Universitatea Alexandru Ioan Cuza din Iasi**
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Experienţa profesională

Perioada	2013 – prezent
Functia si postul ocupat	Conferentiar universitar
Nume si adresa angajatorului	Departamentul de Chimie, Universitatea “Al I. Cuza”, Iasi, Romania;
Perioada	2006 – 2013
Functia si postul ocupat	Lector universitar
Nume si adresa angajatorului	Departamentul de Chimie, Universitatea “Al I. Cuza”, Iasi, Romania;
Perioada	2003 – 2006
Functia si postul ocupat	Asistent universitar
Nume si adresa angajatorului	Departamentul de Chimie, Universitatea “Al I. Cuza”, Iasi, Romania;
Perioada	2001 – 2003
Functia si postul ocupat	Preparator universitar
Nume si adresa angajatorului	Departamentul de Chimie, Universitatea “Al I. Cuza”, Iasi, Romania;

Educatie si formare

Perioada	09.2012–12.2012
Calificarea/diploma obtinuta	Stagiu de cercetare DAAD pentru cadre didactice si cercetatori;
Numele şi tipul instituţiei de învăţământ	Institutul Tehnologic Karlsruhe, Germania, titlul proiectului: "Molecule rigide in forma de stea ca suport pentru cataliza omogena".(Prof. Stefan Bräse)
Perioada	01.11. 2005 –31.10. 2007
Calificarea/diploma obtinuta	Stagiu postdoctoral Marie Curie EIF, Chemistry Research Laboratory, Universitatea Oxford, Marea Britanie, titlul proiectului: "Noi inhibitori ai biosintezei peretilor celulelor bacteriene si fungice", Coordonator stiintific: Dr. Antony Fairbanks (MEIF-CT-2005-022646, 2005-2007).
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	
Perioada	1999 - 2003
Calificarea/diploma obtinuta	Ph. D. Organic Chemistry Organic Chemistry and Biochemistry Department Faculty of Chemistry "Al. I. Cuza" University, Iasi, Romania Supervisor: Prof. Ioan Druta
Numele şi tipul instituţiei de învăţământ	Thesis title: Researches in the Field of 1,10-Phenanthroline
Nivelul în clasificarea naţională sau internaţională	
Perioada	1997 – 1999
Calificarea/diploma obtinuta	M.Sc., Heterocyclic Chemistry and Biochemistry Organic Chemistry and Biochemistry Departmen Faculty of Chemistry "Al. I. Cuza" University, Iasi, Romania Supervisor: Prof. Valeriu Sunel
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	
Perioada	1993 – 1997
Calificarea/diploma obtinuta	B.Sc., Department of Chemistry-Physics Faculty of Chemistry "Al. I. Cuza" University of Iasi, Romania
Numele şi tipul instituţiei de învăţământ	Thesis title: Nitrogen Yperites
Perioada	1989 -1993
Calificarea/diploma obtinuta	Medical High School, Iasi, Romania
Numele şi tipul instituţiei de învăţământ	

Lista de lucrari stiintifice:

1. 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 Chemia*, **LXIV(3)**, (2019), 67-80.
2. 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.*, **34(1)**, (2019), 230-243.
3. L. Leontie, **R. Danac**, A. Carlescu, C. Doroftei, G.G. Rusu, V. Tiron, S. Gurlui, O. Susu, Electric and optical Properties of some new funtional lower-rim-substituted calixarene derivatives in thin films, *Appl. Phys. A*, **124**, (2018), 355, 12 p.
4. 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.
5. C. M. Al Matarneh, C. I. Ciobanu, M. O. Apostu, I. I. Mangalagiu, **R. Danac**, Cycloaddition versus amidation in reactions of 2-amino-2-oxoethyl-phenanthrolinium ylides to activated alkynes and alkenes, *C. R. Chimie*, **21(1)** (2018), 1-8.
6. G. Pricope, E. L. Ursu, M. Sardaru, C. Cojocaru, L. Clima, N. Marangoci, **R. Danac**, I. Mangalagiu, B. C. Simionescu, M. Pinteala, A. Rotaru, Novel cyclodextrin-based pH-sensitive supramolecular host–guest assembly for staining acidic cellular organelles, *Polym. Chem.*, **9**, (2018), 968-975.
7. 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.
8. 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.
9. **R. Danac**, L. Leontie, A. Carlescu, S. Shova, V. Tiron, G. G. Rusu, F. Iacomi, S. Gurlui, O. Șușu, 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.
10. C.M. Al Matarneh, M.O. Apostu, I.I. Mangalagiu, **R. Danac**, Reactions of ethyl cyanoformate with cycloimmonium salts: a direct pathway to fused or substituted azaheterocycles, *Tetrahedron*, **72**, (2016), 4230-4238.
11. C. M. Al Matarneh, I. I. Mangalagiu, S. Shova, **R. Danac**, Synthesis, structure, antimycobacterial and anticancer evaluation of new pyrrolo-phenanthroline derivatives*, Journal Of Enzyme Inhibition And Medicinal Chemistry*, **31(3)**, (2016), 470-480.
12. C. M. Al Matarneh, C. I. Ciobanu, I. I. Mangalagiu, R. Danac, Design, synthesis and antimycobacterial evaluation of some new azaheterocycles with 4,7-phenanthroline skeleton. Part VI, *J. Serb. Chem. Soc.* **81(2)** (2016), 133-140.
13. R. Postolache, R. Danac, A. Pui, New Coordinative Compounds with 4-(4'-pyridyl)pyridinium Disubstituted Monoylides, *Croat.Chem. Acta*, **88(3)**, (2015), 207-211.
14. **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.
15. R. Rusu, A. Szumna, N. Rosu, C. Dumea, **R. Danac**, New Triazole Appended *tert*-Butyl Calix[4]arene Conjugates: Synthesis, Hg^{2+} Binding Studies, *Tetrahedron*, **71**, (2015), 2922-2926.
16. C. M. Al Matarneh, **R. Danac**, L. Leontie, F. Tudorache, I. Petrila, F. Iacomi, A. Carlescu, G. Nedelcu, I. Mangalagiu, Synthesis and electron transport properties of some new 4,7-phenanthroline derivatives in thin films, *Environmental Engineering and Management Journal*, **14(2)**, (2015), 415-425.
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18. **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.
19. 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.
20. **R. Danac**, I. Mangalagiu, Antimycobacterial activity of nitrogen heterocycles derivatives: bipyridine derivatives. Part III, *Eur. J. Med. Chem.*, **74**, (2014), 664-670.
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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.
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.
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.
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.

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28. R. Gradinaru, A. Luca, I. Cretescu, **R. Danac**, Fluorescent conjugates: pH stability, dye-DNA interaction and biological activity, *Rev. Chim.* (Bucharest), **61(9)**, (2010), 903-906.
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31. A. Rotaru, I. Druta, E. Avram, **R. Danac**, Synthesis and properties of fluorescent 1,3-substituted mono and biindolizines", *Arkivoc*, 13, (2009), 287-299. (ISI 1.253)
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34. L. Leontie, **R. Danac**, I. Druta and G.I. Rusu, Electronic transport properties of 1-(p-R-phenacyl)-4-{[(1'-ethylcarboxylate)-(3'-p-R'-phenacyl)]-7'-indolizinyl}pyridinium bromides in thin films, *Thin Solid Films*, **516(7)**, (2008), 1599-1603. (ISI 1.884)
35. M. Prelipceanu, O. S. Prelipceanu, L. Leontie, **R. Danac**, Photoelectron spectroscopy investigations of pyrrolo[1,2-a][1,10]phenanthroline derivatives, *Physics Letters A*, **368(3-4)**, (2007), 331-335. (ISI 1.711)
36. T. Muller, **R. Danac**, L. Ball, S. J. Gurr and A. J. Fairbanks, Synthesis of UDP-GlcNAc Derivatives Modified at OH-4 as Potential Chain Terminators of Chitin Biosynthesis, *Tetrahedron: Asymmetry*, **18**, (2007), 1299-1307. (ISI 2.634)
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42. A. Rotaru, **R. Danac**, I. Druta, A. Vlahovici, Synthesis of fluorescent biindolizines with possible applications in environmental analyses, *Bulletin of the Transilvania University of Brasov*, Series D, Special Edition EnvEdu 2005, (2005), 297-299.
43. L. Leontie, I. Druta, **R. Danac**, M. Prelipceanu, G.I. Rusu, Electrical properties of some new high resistivity organic semiconductors in thin films, *Progress in Organic Coatings*, **54(3)**, (2005), 175-181. (ISI 1.54)
44. A. Rotaru, **R. Danac**, I. Druta, G. Drochioiu, I. Cretescu, Synthesis and biological activity of diquaternary salt derivatives of 4,4'-bipyridil, *Rev. Chim.* (Bucharest, Romania), **56(2)**, (2005), 179-183. (ISI 0.261)
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50. L. Leontie, I. Druta, **R. Alupoae**, G. I. Rusu – On the electronic transport in some new synthesized high resistivity organic semiconductors in thin films, *Mat. Sci. Eng*., **B100** (2003) 252-258.
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