

CURRICULUM VITAE

INFORMAȚII PERSONALE

Nume și prenume DANAC Ramona Antoaneta
Adresă Soseaua Pacurari Nr 14, Iasi, Romania;

Telefon / Fax 0040232201342
E-mail rdanac@uaic.ro
Naționalitate Romana
Locul și data nașterii Iasi, 21.05.1975
Naționalitate

EXPERIENȚA PROFESIONALĂ

ACTIVITATE DE EVALUARE ȘI EXPERTIZĂ

Membru in comisii de disertatie, definitivat, gradul didactic II, referate in cazul stagiilor de doctorat

DOMENII DE COMPETENȚĂ

Chimia heterociclorilor, Sinteza organica, Cicloimoniu ilide, Calixarene, Zaharuri.

ACTIVITATEA ȘTIINȚIFICĂ (vezi ANEXE)

CĂRȚI / ARTICOLE PUBLICATE:

- **Cărți**, cursuri universitare și manuale de lucrări practice: 2
- **articole științifice** publicate în reviste de specialitate: 41, din care: **25** cu **ISI** in reviste din **străinătate**, **6** cu **ISI** in reviste din **țară**, **7** in reviste non ISI din țara.
- **participări** la manifestări științifice 39, din care în străinătate 11

Citări lucrări indexate/recenzate în baze de date internaționale: 146; în SCOPUS, CAPLUS and MEDLINE, de Institute for Scientific Information (ISI), Chemical Abstracts, Current Contents etc. **Indice Hirsh = 8**

COORDONATOR ȘTIINȚIFIC: lucrări de licență (10), lucrări de disertație (8), lucrări metodico-științifice pentru obținerea gradului I în învățământul preuniversitar (0).

REFERENT ȘTIINȚIFIC: Acta Chemica Iasi (4), Organic&Biomolecular Chemistry (1), Journal of Molecular Structure (1), CrystEngComm (1)

EXPERIENȚĂ DE LUCRU ÎN CERCETARE ȘI INSTRUIRE

DIRECTOR / RESPONSABIL GRANTURI DE CERCETARE / DEZVOLTARE: cu finanțare internă: 2.; cu finanțare externă: **0**

COLABORATOR ÎN GRANTURI DE CERCETARE: cu finanțare internă: 7; cu finanțare externă: 1

2013 – prezent, conferențiar universitar, prin concurs (Deciza nr. 711/ 02.09.2013.), la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

2006 – 2013: lector universitar, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

2003– 2006: asistent universitar, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

SPECIALIZĂRI
POSTUNIVERSITARE

2001– 2003: preparator universitar, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

2005 – 2007 (24 x luni), bursă de cercetare **postdoctorat** la Universitatea Oxford, UK

EDUCAȚIE

2003 - doctorat în Chimie, Specialitatea Chimie

1999-2003-stagiu de doctorat, Facultatea de Chimie, Universitatea Al. I. Cuza Iasi

1999 iunie- examen de disertatie la Facultatea de Chimie, Universitatea Al. I. Cuza Iasi

1997-1999-Master, Chimia si Biochimia Heterociclorilor, Facultatea de Chimie
Universitatea Al. I. Cuza Iasi

1997 iunie, examen de licenta la Facultatea de Chimie, Universitatea Al. I. Cuza Iasi

1993-1997 Facultatea de Chimie, Universitatea Al. I. Cuza Iasi

1993 iunie, examen de bacalaureat, Liceul Sanitar, Iasi

1989-1993, Liceul Sanitar, Iasi

STAGII DE PREGĂTIRE ȘI
MOBILITĂȚI

2012 (3x luni, septembrie-decembrie), DAAD Research Stage for Academics and Researchers, Karlsruhe Institute of Technology, Karlsruhe, Germany,

MEMBRU ÎN SOCIETĂȚI
ȘTIINȚIFICE

Membru al Societatii Romane de Chimie,

CUNOȘTINȚE UTILIZARE
COMPUTERE

Operare bună PC (Microsoft Office Word; Microsoft Office Power Point; Microsoft Office Excel; Origin, Internet (Explorer, Mozilla, Opera), Chem draw, Isis draw), operare specială aparate (Spectra manager, Opus, Mastrec, Cintral etc). ș.a.

LIMBI STRĂINE
CUNOSCUTE

Engleză (citit, scris, vorbit); Franceză (citit).

Iași
12.12. 2013

List of Publications:

1. C. Rimbu, **R. Danac**, A. Pui, Antibacterial Activity of Pd(II) Complexes with Salicylaldehyde-amino Acids Schiff Bases Ligands, *Chemical and Pharmaceutical Bulletin*, (2014), *in press*.
2. **R. Danac**, I. Mangalagiu, Antimycobacterial activity of nitrogen heterocycles derivatives: bipyridine derivatives. Part III, *Eur. J. Med. Chem.*, (2014), *in press*.
3. R. Postolachi, **R. Danac**, A. Moise, T. Malutan, M. Przybylski, A. Pui, Cobalt (II), nickel (II) and copper (II) complexes with cycloimmonium ylides as potential inhibitors for Glutamate Racemase, *Rev. Chim.* (Bucharest, Romania), (2013), 64(11), 1301-1306.
4. 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.
5. 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.
6. **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.
7. **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.
8. 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.
9. L. Leontie, **R. Danac**, I. Druta, A. Carlescu, Electron transport properties of some newly synthesized nonsymmetrical bisindolizines in thin films, *Synthetic Metals*, **160 (23-24)**, (2010), 2526-2533.
10. 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.
11. L. Leontie, **R. Danac**, I. Druta, A. Carlescu, G. I. Rusu, Newly synthesized fused heterocyclic compounds in thin films with semiconductor properties, *Synthetic Metals*, **160**, (2010), 1273-1279.
12. M. Dumitras, N. Apostolescu, A. Luca, **R. Danac**, Thermal degradation of some new 7-(4'-pyridyl)-indolizine derivatives, *Acta Chemica Iasi*, **17**, (2009), 209-218.
13. 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)
14. 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. (ISI 3.55)
15. **R. Danac**, L. Ball, S. J. Gurr and A. J. Fairbanks, Synthesis of UDP-GlcNAc Derivatives Modified at OH-3 as Potential Chain Terminators of Glucan Biosynthesis, *Carbohydr. Res.*, **343**, (2008), 1012-1022. (ISI 1.96)
16. 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'-indolizinylium pyridinium bromides in thin films, *Thin Solid Films*, **516(7)**, (2008), 1599-1603. (ISI 1.884)
17. 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)
18. 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)
19. **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. (ISI 3.446)
20. **R. Danac**, T. Daniloaia, M. Ungureanu, I. Druta, Nouveaux dérivés de la 1,7-phénantroline et 4,5-diazofluoren-9-one et leur activité antimicrobienne et antifongique *in vitro*, *An. St. Univ. "Al. I. Cuza" Iasi*, s. Chimie, tom **XV**, nr.1, (2007), 33-36.
21. L. Leontie, **R. Danac**, I. Druta, Electrical conduction mechanism in N-(p-R-phenacyl)-4,5-diazofluorenium-9-one bromides thin films, *Synthetic Metals*, **155(2-4)**, (2006), 224-229. (1.788)
22. L. Leontie, **R. Danac**, Optical properties of some new synthesized organic semiconductors in thin films, *Scripta Materialia*, **54(2)**, (2006), 175-179. (ISI 2.481)
23. L. Leontie, I. Druta, **R. Danac**, and G.I. Rusu, On the electronic transport properties of pyrrolo[1,2-a]phenanthroline derivatives in thin films, *Synthetic Metals*, **155(1)**, (2005), 138-145. (ISI 1.788)
24. 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.
25. 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)

26. 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)
27. **R. Danac**, M. Constantinescu, A. Rotaru, A. Vlahovici, I. Cretescu, I. Druta, Study of Dipolar Cycloaddition Reaction of 1,10-Phenanthroline Ylides to Activated Alkenes, *Rev. Chim.* (Bucharest, Romania), **56(1)**, (2005), 85-88. (ISI 0.261)
28. **R. Danac**, M. Constantinescu, A. Rotaru, C. Ghirvu, I. Druta, Synthesis of Novel 4,5-Diazafluoren-9-one Derivatives and Theoretical Study of 3+2 Cycloaddition Reactions, *J. Heterocycl. Chem.*, **41**, (2004), 983-996.
29. A. Rotaru, **R. Danac**, I. Druta, Synthesis of New Non-Symmetrical 7,7'-Bisindolizines by the Direct Reaction of 4,4'-Bipyridinium-Ylides with Dimethyl Acetylenedicarboxylate, *J. Heterocycl. Chem.*, **41**, (2004), 893-897.
30. M. Irimia, G. Lisa, **R. Danac**, N. Aelenei, I. Druta, Physico-Chemical Characterization of Some Diquaternary Salts of 4,4'-Bipyridyl, *Croat. Chem. Acta*, **77** (4), (2004), 587-591.
31. A. Rotaru, M. Ungureanu, **R. Danac**, A. Poeata, I. Druta, Activite antimicrobienne in vitro de nouveaux sels diquaternaires derives de la 4,4'-bipyridine, *Ann. Pharm. Fr.* (2004), **62**, 428-430.
32. 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.
33. **R. Danac**, A. Rotaru, G. Drochioiu, I. Druta - Synthesis of novel phenanthroline derivatives by 3+2 dipolar cycloaddition reaction, *J. Heterocycl. Chem.*, **40**, 283 (2003).
34. G. Drochioiu, A. Pui, **R. Danac**, C. Basu, M. Murariu – Improved spectrophotometric assay of cyanide with picric acid and resorcinol, *Rev. Roum. Chim.*, (2003), **48(8)**, 601-606.
35. G. Drochioiu, I. Ardeleanu, T. L. Timofte, **R. Danac**, I. Druta – Selective and Sensitive cyanide assay, *An. St. Univ. "Al. I. Cuza" Iasi*, s. Chimie, tom **XI**, nr.1, (2003), 155-160.
36. I. Druta, C. Cuciuc, **R. Danac**, E. Avram, A. Rotaru, G. Drochioiu – The phytotoxic effect of some new monoquaternary salts of 4,4'-bipyridyl and 1,10-phenanthroline. *Pakistan J. Appl. Sci.*, (2002) **2(2)** 145 - 150;
37. I. Druta, **R. Danac**, M. Ungureanu, G. Grosu, D. Drochioiu – Activite antimicrobienne in vitro de nouveaux derives de la 1,10-phenanthroline, *Ann. Pharm. Fr.* (2002), **60**, 348-351;
38. **R. Danac**, M. Irimia, A. Rotaru, G. Drochioiu, I. Druta - Study of the Basicity of Some 1,10-Phenanthroline Ylides, *An. St. Univ. "Al. I. Cuza" Iasi*, s. Chimie, tom **X**, nr.2, (2002), 283-286.
39. I. Druta, **R. Danac**, G. Drochioiu - Phytotoxic activity of some new monoquaternary salts derived from 1,10-phenanthroline. *An. St. Univ. "Al. I. Cuza" Iasi*, s. Chimie, tom **IX**, (2001), 143-148;
40. I. Druta, **R. Danac**, R. Barbieru, D. Tapu, M. Andrei - Monoquaternary salts derivatives from 1,10-phenanthroline *An. St. Univ. "Al. I. Cuza" Iasi*, s. Chimie, tom **IX**, (2001), 150-154;
41. A. Vlahovici, M. Andrei, **R. Alupoae**, G. Drochioiu, I. Druta - Photophysics of Some Indolizines, Derivatives from Bipyridil, in *Various Media, Rom. Rep. Phys.*, (2001) **35(9-10)**, 687-691;

List of Conferences:

1. Roxana Maria Amarandi, Călin Lucian Maniu, Ramona Danac, Aurel Pui, Substrate preference of serotonin receptors through in silico docking experiments, Scientific Conference „University Days”, October 31-November 2, 2013, Iasi, Romania.
2. M.C. Al-Matarneh, T. Daniloaia, **R. Danac**, Synthesis of new pyrrolo[1,2-i][1,7] phenanthroline derivatives, Scientific Conference „University Days”, October 31-November 2, 2013, Iasi, Romania.
3. R. Postolachi, A. Pui, **R. Danac**, N. Niklaas, J. Buurma, Complexation of 4-(4'-pyridyl)pyridinium disubstituted mono ylides with palladium (II), Scientific Conference „University Days”, October 25-26, 2012, Iasi, Romania.
4. R. Postolachi, A. Pui, **R. Danac**, C. Rimbu, G. Drochioiu, Biological activity for some palladium (II) complexes, 2ème Colloque Franco-Roumain de Chimie Médicinale, 03-05 October 2012, Iasi, Romania. (poster)
5. L. Leontie, R. Danac, M. Girtan, M. Prelipceanu, A. Graur, A. Carlescu, G. I. Rusu, Newly synthesized stable disubstituted 4-(4-pyridyl)pyridinium ylides in thin films with semiconductor properties, 9th International Conference on Physics of Advanced Materials, ICPAM-9, 20-23 September 2012, Iasi, Romania; (Topic 11: Thin Films and Nanostructures for Modern Electronics, work P1, Abstract Book p. 133 (poster)).
6. R. Postolachi, A. Pui, **R. Danac**, N. Niklaas, J. Buurma, New Palladium(II) Complexes with N- Ylide Ligands, International Conference: Centenary of Education in Chemical Engineering, November 28-30, 2012, Iasi, Romania.
7. **R. Danac**, R. Rusu, A. Carlescu, A. Pui, L. Leontie, Synthesis and properties of some new lower rim modified 4-tert-butylcalix[4]arenes, Scientific Conference „University Days”, October 28, 2011, Iasi, Romania (P19).

8. **R. Danac**, L. Leontie, R. Rusu, A. Carlescu, Synthesis and electron transport properties of some new 4-*tert*-butylcalix[4]arene derivatives, Twelfth Tetrahedron Symposium (Challenges in Organic and Bioorganic Chemistry), 21-24 June 2011, Sitges, Spain (Book of Abstracts, P1.073).
9. **R. Danac**, R. Rusu, A. Carlescu, A. Pui, L. Leontie, Synthesis and properties of some new lower rim modified 4-*tert*-butylcalix[4]arenes, 11th International Conference on Calixarenes, 26-29 June 2011, Tarragona, Spain (Book of Abstracts, P15, p.99).
10. **R. Danac**, R. Postolachi, A. Pui, New N-ylides and Their Metal Complexes as Potential Inhibitors for Glutamate Racemase, XIVth Conference on Heterocycles in Bio-organic Chemistry, September 4-8, 2011, Brno, Czech Republic (Book of Abstracts, P6).
11. **R. Danac**, A. Luca, R. Rusu, R. Gradinaru, Fluorescent conjugates: pH stability, dye-DNA interaction and biological activity, A XXXI-a CONFERINȚA NAȚIONALĂ DE CHIMIE, Ramnicu Valcea, 06-08 octombrie 2010
12. **R. Danac**, A. Luca, R. Rusu, Synthesis and characterization of new *tert*-butylcalix[4]arene derivatives, Chemical Engineering Faculty Days, VIIth Edition, November 17-19, 2010, Iasi, Romania. (P-S1-16)
13. **R. Danac**, D. Gherca, R. Gradinaru, A. Pui, Cobalt and Copper coordination complexes of some new *tert*-butylcalix[4]arene derivatives, Chemical Engineering Faculty Days, VIIth Edition, November 17-19, 2010, Iasi, Romania. (P-S1-17)
14. A. Luca, R. Gradinaru, M. Mihasan, **R. Danac**, Fluorescent conjugates: pH stability, dye-DNA interaction and biological activity, Scientific Conference „University Days”, October 30-31, 2009, Iasi, Romania.
15. M. Dumitras, N. Apostolescu, A. Luca, **R. Danac**, Thermal degradation of some new 7-(4'-pyridyl)-indolizine derivatives, Scientific Conference „University Days”, October 30-31, 2009, Iasi, Romania.
16. G. Drochioiu, S. Jurcoane, M. Murariu, **R. Danac**, R. Gradinaru, Biodegradation of some dinitrophenyl derivatives used as herbicides and metabolic inhibitors, 4th European Bioremediation Conference, September 3-6, 2008, Chania, Crete, Greece, (Book of Abstracts, p. 15).
17. L. Leontie, **R. Danac**, I. Druta, G.I. Rusu, Electronic transport properties of 1-(p-R-phenacyl)-4-{{(1'-ethylcarboxylate)-(3'-p-R'-phenacyl)}-7'-indoliziny}pyridinium bromides in thin films, E-MRS Spring Meeting, May 29-June 2, 2006, Nice, France (Book of Abstracts, p.41).
18. M. Prelipceanu, L. Leontie, **R. Danac**, O.S. Prelipceanu, Organic Light-Emitting Devices Based on New Pyrrolo[1,2-a][1,10]Phenanthroline Derivatives and Poly(p-Phenylenevinylene), Romanian Conference on Advanced Materials, September 11-14, 2006, Bucharest-Magurele, Romania, (Abstract Book, p. 68).
19. **R. Danac**, T. Muller, L. Ball, S. Gurr, A.J. Fairbanks, Synthesis of Chain Terminating Carbohydrates as Potential Inhibitors of Chitin Biosynthesis, XXIIIrd International Carbohydrate Symposium, July 23-28, 2006, Whistler, Canada (Abstract Book, p.151).
20. L. Leontie, **R. Danac**, Optical properties of N-(p-R-phenacyl)-1,10-phenanthroline bromides in thin films, International Conference on Fundamental and Applied Research in Physics FARPhys-2005, October 24-29 2005, Iasi, Romania.
21. L. Leontie, **R. Danac**, I. Druta, V. Pohoata, Electrical properties of some new pyridinium monoquaternary salts derivatives in thin films, International Conference on Fundamental and Applied Research in Physics FARPhys-2005, October 24-29 2005, Iasi, Romania.
22. **R. Danac**, T. Daniloaia, M. Ungureanu, A. Rotaru, I. Druta, Synthesis of new 1,7-phenanthroline and 4,5-diazofluoren-9-one derivatives and their *in vitro* antibacterial and antifungal activities, The 12th Sesion of Scientific Communications of Institute de Macromoleculare Chemistry „Petru Poni” Iasi, October 6-8, 2005, Iasi, Romania, (Abstract Book, p.25).
23. A. Rotaru, **R. Danac**, I. Druta, A. Vlahovici, Synthesis of fluorescent biindolizines with possible applications in environmental analyses, EnvEdu 2005-Trends in Environmental Education, 8-10 September 2005, Brasov, Romania, (Abstract Book p.76).
24. **R. Danac**, L. Leontie, M. Irimia, I. Druta, Synthesis of new 1,10-phenanthroline derivatives and them electrical properties, SFC Eurochem Nancy-2005, August 28-September 1, 2005, Nancy, France.
25. L. Leontie, I. Druta, **R. Danac**, G.I. Rusu, Electrical properties of some new high resistivity organic semiconductors in thin films, E-MRS Spring Meeting May 31-June 3, 2005, Strasbourg, France.
26. M. Irimia, **R. Danac**, G. Carja, N. Aelenei, I. Druta, The Acido-Basic Behaviour of Some Biquaternary Salts of 4,4'-Bipyridine, Scientific Conference „University Days”, 29-30 October 2004, Iasi, Romania
27. **R. Danac**, G. Lisa, M. Irimia, N. Hurduc, I. Druta – The Thermal Behavior and Characterization of Some 1,10-Phenanthroline Salts and Corresponding Ylides, Scientific Conference „University Days”, 29-30 October 2004, Iasi, Romania
28. L. Leontie, **R. Danac**, I. Druta, G.I. Rusu – Electronic Transport Properties of Pyrrolo[1,2-a][1,10]Phenanthroline Derivatives, in Thin Films, The 5th International Balkan Workshop of Applied Physics, 5-7 July 2004, Constanta, Romania

29. **R. Danac**, A. Rotaru, G. Drochioiu, A. Pui, I. Druta – Synthesis and Characterization of Novel Derivatives of 4,5-Diazafluoren-9-one, The 1st International Conference of The Moldavian Chemical Society, 6-8 October 2003, Chisinau, Rep.Moldova. (Abstracts of Communications, paper PP 097, p. 163).
30. L. Leontie, I. Druta, **R. Danac**, G.I. Rusu – On the DC Conduction Mechanism of New Synthesized Organic Salts in Thin Films, 1st Nanoforum Workshop Nanomaterials and Applications, 5-7 October 2003, Sinaia, Romania.
31. L. Leontie, I. Druta, **R. Alupoae**, G. I. Rusu, C. Podaru – On the DC Conduction Mechanism in Some New High Resistivity Organic Salts in Thin Films, The Fourth International Edition of Romanian Conference on Advanced Materials: ROCAM 2003, 15-18 Septembrie 2003, Constanta, Romania. (Abstract Book (Ed. Bucharest Univ.), poster PO 1S050).
32. L. Leontie, M. Caraman, **R. Alupoae**, G. I. Rusu – Optical properties of a new organic semiconductor N-(p-R-phenacyl)-1,10-phenanthroline bromides, Fifth General Conference of the Balkan Physical Union, 25-29 august 2003, Vrnjacka Banja, Serbia and Montenegro; paper SP06 – 069, (Abstract Book, p. 141);
33. M. Irimia, I. Druta, M. Aelenei, G. Lisa, **R. Danac** – Synthesis and Physico-Chemical Characterization of Some 4,4'-Bipyridyl Derivatives, The 3rd Conference of Faculty of Chemical Industry, Iasi 13-15 November, 2002;
34. L. Leontie, **R. Alupoae**, G. I. Rusu – On the mechanism of electrical conduction in some new synthesized organic salts in thin films, E-MRS Spring Meeting 10th – 13th June, 2003, Strasbourg, France;
35. T. L. Timofte, **R. Danac**, I. Ardeleanu, G. Drochioiu – Selective and Sensitive Methods for Cyanide Determination, Scientific Conference „University Days”, 1-2 November 2002, Iasi, Romania
36. **R. Danac**, Al. Rotaru, I. Druta – Synthesis of New 1,10-Phenanthroline Derivatives by 3+2 Dipolar Cycloaddition, Scientific Conference „University Days”, 1-2 November 2002, Iasi, Romania
37. **R. Danac**, M. Ungureanu, A. Rotaru, G. Drochioiu, I. Druta – Activité antimicrobienne et antifongique *in vitro* de nouveaux derives de la 1,10-phenanthroline, Deuxième Colloque Franco-Roumain de Chimie Appliquée, 10-12 Octobre 2002, Bacau, Roumanie;
38. G. Drochioiu, I. Mangalagiu, **R. Danac**, A. Rotaru, I. Druta – Une nouvelle réaction de la ninydrine utilisée pour le dosage des traces de cyanure dans l'environnement, Deuxième Colloque Franco-Roumain de Chimie Appliquée, 10-12 Octobre 2002, Bacau, Roumanie;
39. **R. Danac**, M. Rusu, I. Salaoru, I. Druta, G. Rusu – On the Electrical Conductivity of Some New Organic Semiconductors in Thin Films, National Physics Conference, Iasi, 18-20 October 2001;

List of Books:

1. **Ramona Danac**, Mihaela Roman, Problems of Organic Structural Analysis, Sedcomlibris, Iasi, 2006. (ISBN: 973-670-156-5).
2. Ionel Mangalagiu, **Ramona Danac**, Costel Moldoveanu, Gheorghita Zbancioc, Judiciary Chemistry and Toxicology. Judiciary Separatology, „AIT –SRL Laboratory”Ed., Bucuresti 2011. (217 pag.) (ISBN: 978-606-8363-09-7x2).

National Grants:

1. Research team member: Grant bilateral Romania – Moldova, grant nr. 418/02.06.2010, Project title: Biologically active compounds with terpenoid and azaheterocycle skeleton through conventional and nonconventional methods, Finantator: Guvernul Moldovei si Guvernul Rominiei (ANCS, PN-II, Modul III), Directori: prof.dr. Ionel Mangalagiu, Romania/ CP I.dr. Aculina Aracu, Academy of Science of Rep. Moldova. (Valoare 2010: 13.135 Euro, Valoare 2011: 13.135 Euro).
2. 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)
3. Research team member for PN-II-Idei, MEC-CNCSIS code: IDEI_2095/2008-2011, Project title: Intramolecular interactions in pseudogeminal substituted [2.2]-paracyclophanes, Project manager: conf.dr. Lucian Birsa.
4. Research team member for PN-II-Idei, MEC-CNCSIS code: IDEI_2643/2008-2011, Project title: Synthesis and potential applications of new phenotiazine derivatives, Project manager: lect.dr. Dalila Belei.

5. Research team member: Microbiological Membranes and Biocompatible Synthetic Polymers with Potential Applications to Grant PPNII CNMP 4300/2008, CONTRACT 32-173/2008, M MEMBRANES AND BIOCOMPATIBILE SYNTHETIC POLYMERS WITH POTENTIAL APPLICATIONS TO RELEASING HEAVY AND RADIOACTIVE METALS FROM THE ENVIRONMENT. PROJECT MANAGER: PROF DR. GABI DROCHIOIU.
6. 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).
7. Research team member: Grant A, CNCSIS 97/2003-2004 Project title: "Cyanide type waste products: characterization, detection, decontamination and their impact to the biostructure of living organisms"-project manager: dr. Gabi Drochioiu.
8. Research team member: Grant A, CNCSIS 566/2002-2003 Project title: "Cyanide type waste products: characterization, detection, decontamination and their impact to the biostructure of living organisms"-project manager: dr. Gabi Drochioiu.
9. Research team member: World Bank Grant type C, no. 27423/23.02.2000, code CNCSU/ CNIFS 109, "Researches in the field of cycloimmonium ylides (nitrogen-ylides). synthesis, structure, reactivity and applications", Project manager: dr. Ionel Mangalagiu.
10. Research team member: Grant CNCSIS 154, 1999-2002 "Researches in the indolizines and azaindolizines field. Synthesis, structure, properties, biological activity" –project manager: dr. Ioan Druta.

International grants:

1. Intra-european Marie Curie Fellowship, contract MEIF-CT-2005-022646, 2005-2007 – "New Inhibitors of Bacterial and Fungal Cell Wall Biosynthesis" – scientific coordinator dr. Antony Fairbanks, Oxford University, UK (grant value: 229000 euro)

