

# CURRICULUM VITAE

## INFORMAȚII PERSONALE

Nume și prenume

MOLDOVEANU Costel

Adresă

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Naționalitate

Romana

Locul și data nașterii

Iasi, 19.05.1978

## 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 heterociclurilor, Sinteza organica, Cicloimoniu ilide, Esteri boronici, Lichide ionice, Sinteze sub acțiunea ultrasunetelor.**

### ACTIVITATEA ȘTIINȚIFICĂ (vezi ANEXE)

#### CĂRȚI / ARTICOLE PUBLICATE:

- **Cărți**, cursuri universitare și manuale de lucrări practice: **3**
- **articole științifice** publicate în reviste de specialitate: **39**, din care: **25** cu **ISI** in reviste din **străinătate**, **7** cu **ISI** in reviste din **țară**, **6** in reviste non **ISI** din **tara**, **1** in reviste non **ISI** din **străinătate**.
- **participări** la manifestări științifice **93**, din care în străinătate **17**

**Citări** lucrări indexate/recenzate în baze de date internaționale (sunt excluse autocitarile): **247**; în SCOPUS, **Indice Hirsh = 9**

**COORDONATOR ȘTIINȚIFIC:** lucrări de licență (10), lucrări de disertație (8), lucrări metodico-științifice pentru obținerea gradului I în învățământul preuniversitar (1).

**REFERENT ȘTIINȚIFIC:** Acta Chemica Iasi (7), Ultrasonic Sonochem (2), Termochimica Acta (2), Chemical Papers (2), Environmental Science & Technology (1), Journal of Thermal Analysis and Calorimetry (2).

### 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: **4**; cu finanțare externă: **5**

**2013 – prezent**, conferențiar universitar, prin concurs (Deciza nr. 845/ 28.09.2012), la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

**2008 – 2012: lector universitar**, prin concurs (Deciza nr. 1256/ 01.10.2008), la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

**2006– 2008: asistent universitar**, prin concurs (Deciza nr. 644/ 08.03.2006), la

SPECIALIZĂRI  
POSTUNIVERSITARE

EDUCAȚIE

STAGII DE PREGĂTIRE ȘI  
MOBILITĂȚI

MEMBRU ÎN SOCIETĂȚI  
ȘTIINȚIFICE  
CUNOȘTINȚE UTILIZARE  
COMPUTERE  
LIMBI STRĂINE  
CUNOSCUȚE

Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;  
2002– 2006: **preparator universitar**, prin concurs (Deciza nr. 326/ 22.10.2002), la  
Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

**2009 – 2010** (12 x luni), bursă de cercetare **postdoctorat** la University of  
Pennsylvania, USA

2008 - doctorat în Chimie, Specialitatea Chimie  
2002-2007-stagiu de doctorat, Facultatea de Chimie, Universitatea Al. I. Cuza Iasi  
2003 iunie- examen de disertatie la Facultatea de Chimie, Universitatea Al. I. Cuza  
Iasi  
2001-2003-Master, Chimia si Biochimia Heterociclicurilor, Facultatea de Chimie  
Universitatea Al. I. Cuza Iasi  
2001 iunie, examen de licenta la Facultatea de Chimie, Universitatea Al. I. Cuza  
Iasi  
1997-2001 Facultatea de Chimie, Universitatea Al. I. Cuza Iasi  
**1997** iunie, examen de bacalaureat, Liceul “Grup Scolar Materiale de Constructii”,  
Roman, Neamt  
**1993-1997**, Liceul “Grup Scolar Materiale de Constructii”, Roman, Neamt

**2006 (1x luna)**, stagiu de pregatire operare si intretinere GCMS în grupul de  
cercetare al profesorului Ulrich Groth de la Departamentul de Chimie din cadrul  
Universității din Konstanz, Germany,

**Membru** al Societatii Romane de Chimie,

**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 (Mestrec, TopSpin etc). ș.a.

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

Iași

12.12. 2013



#### List of Publications:

- 1) D. Astefanei, N. Buzgar, M. Risca, **C. Moldoveanu**, I. Mangalagiu: „Synthesis, SERS, Raman and FT-IR investigation in conjunction with DFT theoretical simulations on N-(2-cyanoethyl)-imidazole. Part I”; *Revista de Chimie*, **64(x)**, xxx-xxx, **2013**.(ISSN: 0034-7752) accepted. 0.599/5=0.1198
- 2) A. M. Zbancioc, A. Miron, **C. Moldoveanu**, Ghe. Zbancioc: „Imidazolium Salts with Dihydroxyacetophenone Skeleton with Anticipated Anticancer Activity. II”; *Revista de Chimie*, **64(6)**, 584-586, **2013**.(ISSN: 0034-7752). 0.599/4=0.1497
- 3) **C. Moldoveanu**, L. Odochian, C.M. Paius, L. Iancu, A. Baiceanu: „Study on the thermal behavior of casein in air”; *Acta Chemica Iasi*, **21(1)**, 31-46, **2013**.
- 4) L. Odochian, **C. Moldoveanu**, G. Carja: „Contributions to the thermal degradation mechanism under air atmosphere of PTFE by TG-FTIR analysis. Influence of the additive nature”; *Thermochimica Acta*, **558(1-2)**, 22-28, **2013**, dx.doi.org/10.1016/j.tca.2013.02.008. 1.805/3=0.6016
- 5) Mocanu, A. M.; **Moldoveanu, C.**; Odochian, L.; Paius, C. M.; Apostolescu, N.; Neculau R.: “Study on the thermal behavior of casein under nitrogen and air atmosphere by means of the TG-FTIR technique”, *Thermochimica Acta*, **546**, 120-126, **2012**. DOI: 10.1016/j.tca.2012.07.031. 1.805/6=0.3008
- 6) Tucaliuc, R., Cotea, V.V., **Moldoveanu, C.**, Zbancioc, G., Deleanu, C., Jones, P.G., Mangalagiu, I.I.: „An efficient and selective route to hybrid trifluoromethyl-substituted  $\gamma$ -lactones or fused nitrogen derivatives via cascade reactions”; *Tetrahedron Letters*, **52** 6439-6442, **2011**, DOI: 10.1016/j.tetlet.2011.09.093. 2.683/7=0.833
- 7) Gheorghita Zbancioc, **Costel Moldoveanu**, Robert Gradinaru, Gabi Drochioiu, Gabriel Olteanu, Ionel Mangalagiu: “The metabolism of drugs / toxics in the body. Case study: BZP”; *International Journal of Criminal Investigation*, **1(1)**, 17-24, **2011**.
- 8) L. Odochian, **C. Moldoveanu**, A. M. Mocanu, G. Carja: „Contributions to the thermal degradation mechanism under nitrogen atmosphere of PTFE by TG-FTIR analysis. Influence of the additive nature”; *Thermochimica Acta*, **526(1-2)**, 205-212, **2011**, doi:10.1016/j.tca.2011.09.019. 1.805/4=0.47475
- 9) L. Odochian, D. Dirtu, A. M. Mocanu, **C. Moldoveanu**: „Contributions to the degenerated branching mechanism of the thermal decomposition reaction of ammonia”; *Kinetics and Catalysis*, **52(4)**, 480-486, **2011**, doi: . 0.638/4=0.1595
- 10) A. M. Mocanu, L. Odochian, N. Apostolescu, **C. Moldoveanu**: „Comparative study on thermal degradation of some new diazoaminoderivatives under air and nitrogen atmospheres”; *Journal of Thermal Analysis and Calorimetry*, **103(1)**, 283-291, **2011**. DOI 10.1007/s10973-010-0857-y. 1.604/4=0.4010
- 11) Leowanawat, P.; Resmerita, A-M.; **Moldoveanu, C.**; Liu, C.; Zhang, N.; Wilson, D.; Hoang, L.; Rosen, B.; Percec, V.: "Zero-Valent Metals Accelerate the Neopentylglycolborylation of Aryl Halides Catalyzed by NiCl<sub>2</sub>-Based Mixed-Ligand Systems", *Journal of Organic Chemistry*, **75**, 7822-7828, **2010**. DOI: 10.1021/jo101718v.(ISSN: 0022-3263) 4.45/9=0.4944
- 12) Mantu, D.; Luca, M.C; **Moldoveanu, C.**; Zbancioc, Ghe.; Mangalagiu I. I.: “Synthesis and antituberculosis activity of some new pyridazine derivatives. Part II”, *Eur. J. Med. Chem*, **45**, 5164-5168, **2010**.(ISSN: 0223-5234) 3.346/5=0.6692
- 13) A. M. Mocanu, L. Odochian, **C. Moldoveanu**, G. Carja: „TG-FTIR study on thermal degradation in air of some new diazoaminoderivatives (II)”; *Thermochimica Acta*, **509(1-2)**, 33-39, **2010**, doi:10.1016/j.tca.2010.05.019.(ISSN: 0040-6031) 1.805/4=0.4512
- 14) **C. Moldoveanu**, D. A. Wilson, C. J. Wilson, P. Leowanawat, A.M. Resmerita, C. Liu, B. M. Rosen, V. Percec: “Neopentylglycolborylation of ortho-Substituted Aryl Halides Catalyzed by NiCl<sub>2</sub>-Based Mixed-Ligand Systems”; *Journal of Organic Chemistry*, **75**, 5438-5452, **2010**. DOI 10.1021/jo101023t.(ISSN: 0022-3263) 4.45/8=0.5562
- 15) M. Risca, **C. Moldoveanu**, D. Astefanei, I. Mangalagiu: „Microwave Assisted Reactions of Imidazole Derivatives of Potential Practical Applications”; *Revista de Chimie*, **61(3)**, 303-305, **2010**.(ISSN: 0034-7752) 0.599/4=0.1497
- 16) D. A. Wilson, C. J. Wilson, **C. Moldoveanu**, A. M. Resmerita, P. Corcoran, L. M. Hoang, B. M. Rosen, V. Percec Neopentylglycolborylation of Aryl Mesylates and Tosylates Catalyzed by Ni-Based Mixed Ligand Systems Activated

with Zn, *Journal of the American Chemical Society*, **132(6)**, 1800-1801, **2010**. doi: 10.1021/ja910808x.(ISSN: 0002-7863)

9.907/8= 1.2383

17) A. M. Mocanu, L. Odochian, N. Apostolescu, **C. Moldoveanu**: „TG-FTIR study on thermal degradation in air of some new diazoaminoderivatives”; *Journal of Thermal Analysis and Calorimetry*, **100(2)**, 615-622, **2010**. DOI 10.1007/s10973-009-0005-8.(ISSN: 1388-6150)

1.604/4=0.4010

18) Odochian L., Soldea C., Paius C., Mocanu A.M., **Moldoveanu C.**; Kinetic study on competitive alkylation of an arene mixture coming from the petrochemical industry, *Revista de Chimie*, **61(3)**, 316-321, **2010**.(ISSN: 0034-7752)

0.599/5=0.1198

19) **C. Moldoveanu**, D. A. Wilson, C. J. Wilson, P. Corcoran, B. M. Rosen, V. Percec Neopentylglycolborylation of Aryl Chlorides Catalyzed by the Mixed Ligand System NiCl<sub>2</sub>(dppp)/dppf, *Organic Letters*, **11(21)**, 4974-4977, **2009**, highlighted in *Synfacts*, **1**, 0084-0084, **2010** (DOI: 10.1055/s-0029-1218429).

5.862/6=0.977

20) **Moldoveanu, C.C.**, Jones, P.G., Mangalagiu, I.I., Spiroheterocyclic compounds: old stories with new outcomes, *Tetrahedron Letters* **50(51)**, 7205-7208, (**2009**), doi: 10.1016/j.tetlet.2009.10.044.

2.683/3=0.8943

21) Mantu, D., **Moldoveanu, C.**, Nicolescu, A., Deleanu, C., Mangalagiu, I.I.; A facile synthesis of pyridazinone derivatives under ultrasonic irradiation, *Ultrasonics Sonochemistry*, **16(4)**, 452-454, **2009**.

3.567/5=0.7134

22) Ghe. Zbancioc, V. Bejan, M. Risca, **C. Moldoveanu**, I. Mangalagiu; Microwave Assisted Reactions of Some Azaheterocyclic Compounds, *Molecules* **14**, 403-411; doi:10.3390, **2009**.

2.386/5=0.4772

23) V. Bejan, **C. Moldoveanu**, I. Mangalagiu; Ultrasound assisted reactions of steroid analogous of anticipated biological activities, *Ultrasonics Sonochemistry*, **16(3)**, 312-315, **2009**.

3.567/3=1.189

24) Balan A.M.; Florea O.; **Moldoveanu, C.**; Zbancioc Ghe; Iurea, D.; Mangalagiu I. I.: DIAZINIUM SALTS WITH DIHYDROXYACETOPHENONE SKELETON: SYNTHESSES AND ANTIMICROBIAL ACTIVITY, *European Journal of Medicinal Chemistry*, **44(5)**, 2275-2279, **2009**.

3.346/6=0.5577

25) A. M. Mocanu, L. Odochian, **C. Moldoveanu**, G. Carja, C. Oniscu: „Study on Thermal Behavior of Some New Azomethines”; *Revista de Chimie*, **60(9)**, 928-933, **2009**.

0.599/5=0.1198

26) L. Odochian, A. M. Mocanu, **C. Moldoveanu**, G. Carja, C. Oniscu: „Study by Thermal Methods on Some New Hydrazinic Complexes”; *Journal of Thermal Analysis and Calorimetry*, **94(2)**, 329-334, **2008**.

1.604/5=0.3208

27) **Moldoveanu, C.**, Odochian, L., Mangalagiu, I., Dumitraş, M., Apostolescu, N.: „Study by Thermal Methods on some new Cyclic Ylides and Derivatives”; *Journal of Thermal Analysis and Calorimetry*, **93(3)**, 907-914, **2008**.

1.604/5=0.3208

28) Spulber, M., Pinteala, M., Fifere, A., **Moldoveanu, C.**, Mangalagiu, I., Harabagiu, V., Simionescu, B.C.: Water soluble complexes of methyl β-cyclodextrin and sulconazole nitrate, *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **62**, 135-142, **2008**.

1.886/7=0.2694

29) M. Ungureanu, **C. Moldoveanu**, A. Poeta, G. Drochioiu, M. Petrovanu, I. Mangalagiu, Nouveaux dérivés pyrimidiniques doués d'activité antibactérienne ou fongistatique in vitro, *Anall. Pharm. Francaises*, **64 (4)**, 287-288, **2006**.

30) I.M. Risca, G. Zbancioc, **C. Moldoveanu**, G. Drochioiu and I. Mangalagiu, Effect of some new monoquaternary salts of diazine on germination and seedling growth of Norway spruce (*Picea abies* (L.) Karsten), *Roumanian Biotechnological Letters*, **11(1)**, 2563-2568, **2006**.

0.349/5=0.0698

31) **C. Moldoveanu** and I. Mangalagiu, 4-METHYL- AND 4-(HALOPHENYL)PYRYMYDINIUM (4-HALOBENZOYL)METHYLIDES. CORRELATION OF STRUCTURE, STABILITY, REACTIVITY, AND BIOLOGICAL ACTIVITY, *Helvetica Chimica Acta*, **88 (10)**, 2747 - 2756, **2005**.

1.478/2=0.7390

32) Ghe. Zbancioc, M. Caprosu, **C. Moldoveanu** and I. Mangalagiu, MICROWAVE ASSISTED SYNTHESIS FOR DIMERS VIA [3+3] DIPOLAR CYCLOADDITION, *Arkivok*, (**x**), 189-198, **2005**.

1.252/4=0.313

- 33) Ghe. Zbancioc, M. Caprosu, **C. Moldoveanu** and I. Mangalagiu, MICROWAVE ASSISTED 1-3 DIPOLAR CYCLOADDITION REACTIONS OF 4-HALOPHENYL-PHTALAZINIUM YLIDES, *Rev. Roum. Chim.*, **50**, 353-358, **2005**. 0.418/4=0.1045
- 34) **Costel C. Moldoveanu**, Geanina C. Mangalagiu, Gheorghita N. Zbancioc, Gabi Drochioiu, Maria C. Caprosu, Ionel I. Mangalagiu, 4-(4-Chloro-phenyl)-pyrimidinium Ylides. 1. Structure, Stability, Reactivity, *Arkivoc*, **(i)**, 7-19, **2005**. 1.252/6=0.2087
- 35) M. Caprosu, Ghe. Zbancioc, **C. Moldoveanu** and I. Mangalagiu, 1-3 DIPOLAR CYCLOADDITION REACTIONS OF 4-HALOPHENYL-PHTALAZINIUM YLIDES TO ACTIVATED ALKENES AND ALKYNES, *Collect. Czech. Chem. Commun.*, **69 (2)**, 426-434, **2004**. 1.283/4=0.3207
- 36) **C. Moldoveanu**, G. Mangalagiu, G. Drochioiu, M. Caprosu, M. Petrovanu and I. Mangalagiu, NEW POTENTIAL ANTI-TUBERCULOSIS COMPOUNDS DERIVED FROM DIAZINE, *Anall. Sci. Univ. Iassi* **11 (1)**, 133-138, **2003**.
- 37) G. Mangalagiu, **C. Moldoveanu**, R. Iruc, M. Caprosu, M. Petrovanu and I. Mangalagiu, 4-METHYLPYRIMIDINIUM YLIDES : A UV-VIS STUDY, *Anall. Sci. Univ. Iassi* **10 (2)**, 267-270, **2002**.
- 38) Zbancioc, Ghe.; Mangalagiu, G. ; Dima, St. ; **Moldoveanu, C.** ; Petrovanu, M. ; Mangalagiu, I. , MICROWAVE IRRADIATION IN SYNTHESIS OF AZINIUM SALTS, *Anall. Sci. Univ. Iassi* **10 (1)**, 146-149, **2002**.
- 39) I. Mangalagiu, G. Mangalagiu, St. Dima, **C. Moldoveanu**, Gh. Zbancioc and M. Petrovanu., STUDY OF THE BASICITY OF SOME 4-METHYL-PYRIMIDINIUM YLIDES *Anall. Sci. Univ. "Al. I. Cuza" Iassi*, **9(s1c)**, 115-118, **2001**;

#### List of Conferences:

1. L. Odochian, **C. Moldoveanu**, D. Maftai: Contribuții la elucidarea mecanismului de degradare termică în atmosfera de azot a PTFE prin analiza TG-FTIR. Influența dimensiunii particulei Zilele Universității "Al. I. Cuza-Iasi", 31 Octombrie - 1 Noiembrie **2013**, ( **P33**).
2. **C. Moldoveanu**, Ghe. Zbancioc, D. Mantu, P. M. Stiuleac, I. O. Silea, I. Mangalagiu Sinteza de noi lichide ionice cu schelet imidazolic Zilele Universității "Al. I. Cuza-Iasi", 31 Octombrie - 1 Noiembrie **2013**, (**P4**).
3. I.M. Risca, **C. Moldoveanu**, L. Fartais, V. Vasilache, Effect of some new imidazole derivatives on peroxidase activity of wheat seeds (*triticum aestivum*) during germination Zilele Universității "Al. I. Cuza-Iasi", 31 Octombrie - 1 Noiembrie **2013**, (**P27**).
4. Ghe. Zbancioc, **C. Moldoveanu**, D. Maftai, V. Antoci, I. Mangalagiu: Sinteza și elucidarea structurii unor noi derivați de pirrolo-imidazol fluorescenți Zilele Universității "Al. I. Cuza-Iasi", 31 Octombrie - 1 Noiembrie **2013**, (**P3**).
5. D. Mantu, V. Antoci, **C. Moldoveanu**, Ghe. Zbancioc, I. I. Mangalagiu: SYNTHESIS OF NEW IMIDAZOLE/BENZIMIDAZOLE SALTS, Zilele Universității "Al. I. Cuza-Iasi", 31 Octombrie - 1 Noiembrie **2013**, (**P2**).
6. V. Antoci, D. Mantu, Ghe. Zbancioc, **C. Moldoveanu**, A. Nicolescu, I. I. Mangalagiu: NEW BIS-IMIDAZOLIUM SALTS: SYNTHESIS AND NMR CHARACTERIZATION, Zilele Universității "Al. I. Cuza-Iasi", 31 Octombrie - 1 Noiembrie **2013**, (**P6**).
7. I. Voda, C. Turta, Ghe. Zbancioc, **C. Moldoveanu**, M. Apostu, I. Mangalagiu: Synthesis, spectral characterization and X-Ray Structure of a new coordination compound of cobalt (II) and n,n'-(butane-1,4-diyl)bis(2-(1h-benzimidazol-1-yl)acetamide), Zilele Universității "Al. I. Cuza-Iasi", 31 Octombrie - 1 Noiembrie **2013**, (**SC6**).
8. I. Voda, C. Turta, R. W. Harrington, A. Benniston, Ghe. Zbancioc, **C. Moldoveanu**, I. Mangalagiu: Synthesis, spectral investigation and X-Ray Structure elucidation of new precursors for N,O-coronand ligands, Zilele Academiei Iesene - A XXIV-a Sesiune de Comunicari Stiintifice a Institutului de Chimie Macromoleculara „P. Poni”, Iasi, 3 - 5 Octombrie **2013**, (Poster **P47**).
9. Mantu, D.; **Moldoveanu, C.**; Zbancioc, G.; Antoci, V.; Stoian, I.; Mangalagiu, I.: „Synthesis of new ionic liquids imidazole based” XIV European Symposium on Organic Reactivity ESOR 2013, 1-6 September 2013, Prague, Czech Republic. (poster 69)
10. Zbancioc, G.; Maftai D.; **Moldoveanu, C.**; Zbancioc, A.M.; Tataranga, G.; Mangalagiu, I.: „Synthesis and XRD Structure Elucidation of new Fluorescent Pyrrolo-imidazole” XIV European Symposium on Organic Reactivity ESOR 2013, 1-6 September 2013, Prague, Czech Republic. (poster 137)
11. Mantu, D.; Antoci, V.; **Moldoveanu, C.**; Nicolaescu, A.; Deleanu, C.; Sova, S.; Mangalagiu, I.: „Synthesis and structure of unexpected fused nitrogen heterocycles using some pyridazin-3-(2H)-one derivatives” STREAM Symposium for young researchers on Strengthening the Romanian research capacity in Multifunctional Polymeric Materials (STREAM) Summer School 2013, 8-13 July 2013, Iasi, Romania. (oral presentation)

12. Antoci, V.; Mantu, D.; Zbancioc, G.; **Moldoveanu, C.**; Nicolaescu, A.; Mangalagiu, I.: „NMR STUDIES OF NEW PYRROLO-DIAZINIC COMPOUNDS WITH PHENYL ACETATE CHAIN” STREAM Symposium for young researchers on Strengthening the Romanian research capacity in Multifunctional Polymeric Materials (STREAM) Summer School 2013, 8-13 July 2013, Iasi, Romania. (oral presentation)
13. Mantu, D.; Antoci, V.; **Moldoveanu, C.**; Sova, S.; Mangalagiu, I.I.: NMR and X-ray complete characterization of some unexpected fused azaheterocycles, *E U R O I N V E N T, European Exhibition of Creativity and Innovation*, Iasi, Romania, 9-11 May 2013, poster 20.1., pag.152, (Book of abstract), ISBN: 978- 973-703-891-3, (diploma de excelenta).
14. L. Odochian, **C. Moldoveanu**, D. Maftai: Contribution to the thermal degradation mechanism under nitrogen and air atmosphere of PTFE by TG-FTIR analysis. Influence of the particle size Al 22-lea Simpozion anual de Comunicari Stiintifice Academia Romana, Bucuresti, 15 februarie **2013**, (Communication 11).
15. V. Antoci, D. Mantu, Ghe. Zbancioc, **C. Moldoveanu**, I. Mangalagiu: UV-VIS studies of new isoindolo-1,2-diazine compounds with acetophenonic chain The XVII-th International Conference „Physical Methods in Coordination and Supramolecular Chemistry” (PPMCSC-XVII), Chisinau, 24 - 26 Octombrie **2012**, (Poster **P6**).
16. **C. Moldoveanu**, Ghe. Zbancioc, D. Mantu, I. Mangalagiu: NMR Study on structure elucidation of new imidazole ligands The XVII-th International Conference „Physical Methods in Coordination and Supramolecular Chemistry” (PPMCSC-XVII), Chisinau, 24 - 26 Octombrie **2012**, (Poster **P62**).
17. I. Voda, **C. Moldoveanu**, Ghe. Zbancioc, C. Turta, I. Mangalagiu: Synthesis and NMR investigation of a new compound resulting from a quaternization using iodacetamide and an aliphatic amide derivative containing imidazole The XVII-th International Conference „Physical Methods in Coordination and Supramolecular Chemistry” (PPMCSC-XVII), Chisinau, 24 - 26 Octombrie **2012**, (Poster **P94**).
18. Ghe. Zbancioc, **C. Moldoveanu**, V. Antoci, I. Mangalagiu: NMR Study of newoxa-coronands with multiple binding sites The XVII-th International Conference „Physical Methods in Coordination and Supramolecular Chemistry” (PPMCSC-XVII), Chisinau, 24 - 26 Octombrie **2012**, (Poster **P99**).
19. D. Mantu, V. Antoci, **C. Moldoveanu**, S. Sova, A. Nicolescu, I. Mangalagiu: X-ray studies of some unexpected fused azaheterocycles Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 Octombrie **2012**, (Poster **P19**).
20. I. Stoian, P. M. Stiuleac, I. O. Silea, Ghe. Zbancioc, **C. Moldoveanu**, I. Mangalagiu: Ultrasound assisted synthesis of new imidazolium salts Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 Octombrie **2012**, (Poster **P29**).
21. Ghe. Zbancioc, **C. Moldoveanu**, D. Mantu, V. Antoci, I. Mangalagiu: Synthesis of new coronands and spiro-derivatives using ultrasonic irradiation Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 Octombrie **2012**, (Poster **P29**).
22. L. Odochian, **C. Moldoveanu**, A. Mocanu, D. Maftai: Contribution to the Thermal Degradation Mechanism under nitrogen Atmosphere of PTFE by TG-FTIR Analysis. Influence of the Particle Size Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 Octombrie **2012**, (Poster **P31**).
23. L. Odochian, **C. Moldoveanu**, I. Lorela, A. Baiceanu, P. Angela, C. Paius: Aspects of thermal behaviour in air of casein investigated by FTIR and calorimetry Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 Octombrie **2012**, (Poster **P14**).
24. **Moldoveanu, C.**; Zbancioc, Ghe.; Maftai, D.; Stoian, I.; Mangalagiu I.: „Synthesis of new imidazole derivatives possible ionic liquids using ultrasound irradiation”; XXXII-st Romanian Chemistry Conference 3-5 october **2012**, Călimănești-Căciulata, Valcea, Romania (Poster presentation P.S.I. 16).
25. Zbancioc, Ghe.; **Moldoveanu, C.**; Antoci, V.; Mantu, D.; Mangalagiu I.: „Synthesis of new highly functionalized Coronands or Spiro-derivatives using ultrasonic irradiation”; XXXII-st Romanian Chemistry Conference 3-5 october **2012**, Călimănești-Căciulata, Valcea, Romania (Poster presentation P.S.I. 24).
26. **Moldoveanu, C.**; Zbancioc, G.; Antoci, V.; Mangalagiu, I.: „Ultrasound assisted synthesis of new ionic liquids imidazole based” 11th International Conference on Global Research and Education Interacademia 27-30 August 2012, Budapest Hungary. (oral presentation)
27. Zbancioc, G.; **Moldoveanu, C.**; Mantu D.; Mangalagiu, I.: „Microwave assisted synthesis of new highly fluorescent pyrrolo-imidazole” 11th International Conference on Global Research and Education Interacademia 27-30 August 2012, Budapest Hungary. (poster)
28. Zbancioc, G.; **Moldoveanu, C.**; Stiuleac P. M.; Silea I. O.; Mangalagiu, I.: „Synthèse de nouveaux pyrrolo-imidazole dérivés avec des propriétés de fluorescence”; Septieme Colloque Franco-Roumain de Chimie Appliquee 27-29 juin **2012**, Bacău, Roumanie (Poster 25, pp 70).
29. **Moldoveanu, C.**; Zbancioc, G.; Stoian I.; Mangalagiu, I.: „Synthèse assistée par ultrasons de nouveaux liquides ioniques dérivés de l’imidazole”; Septieme Colloque Franco-Roumain de Chimie Appliquee 27-29 juin **2012**, Bacău, Roumanie (Poster 13, pp 47).
30. Vasilichia Bejan (Antoci), Dorina Mantu, Sergiu Sova, Gheorghita Zbancioc, **Costel Moldoveanu**, Ionel I. Mangalagiu, X-Ray diffraction studies of new pyrrolo-diazinic compounds with vinyl chain, The 14<sup>th</sup> JCF-Frühjahrssymposium 2012, 18-21 March **2012**, Rostock – Germany (poster 10).

31. L. Odochian, **C. Moldoveanu**, A. M. Mocanu, C. M. Paius, N. Apostolescu: TG-FTIR study on thermal degradation of casein in nitrogen and air atmosphere Al 21-lea Simpozion anual de Comunicari Stiintifice Academia Romana, Bucuresti, 17 februarie **2012**, (Communication 16).
32. V. Bejan, D. Mantu, Ghe. Zbancioc, **C. Moldoveanu**, I. Mangalagiu: UV-VIS studies of new pyrrolo-diazinic compounds with vinyl chain, 10<sup>th</sup> International Conference on Global Research and Education, Sucevita 26 - 29 September **2011**, (Poster **IAY 25**).
33. V. Bejan, D. Mantu, Ghe. Zbancioc, **C. Moldoveanu**, I. Mangalagiu: New azaheterocyclic compounds with vinyl chain: eco-friendly synthesis, 17<sup>th</sup> Romanian International Conference on Chemistry and Chemical Engineering, Sinaia 7 - 10 September **2011**, (Poster **S1 – A.P12**).
34. V. Bejan, D. Mantu, Ghe. Zbancioc, **C. Moldoveanu**, I. Mangalagiu: New pyrrolo-diazinic compounds with vinyl chain: Synthesis and Spectral Analyses, 12<sup>th</sup> International Balkan WORKSHOP on Applied Physics, Constanta 6 - 8 July **2011**, (Poster **S5 P32**).
35. Ghe. Zbancioc, **C. Moldoveanu**, V. Bejan, I. Mangalagiu: Microwave assisted synthesis of blue luminophors European Exhibition of Creativity and Innovation EURO INVENT, Iasi 12 - 14 May **2011**, (Innovative Researches **R.25**). **Silver Medal**.
36. **C. Moldoveanu**, D. Astefanei, D. Maftai, Ghe. Zbancioc, I. Stoian, I. Mangalagiu: New imidazole based ionic liquids European Exhibition of Creativity and Innovation EURO INVENT, Iasi 12 - 14 May **2011**, (Innovative Researches **R.29**). **Diploma of Excellence**.
37. V. Bejan, D. Mantu, Ghe. Zbancioc, **C. Moldoveanu**, I. Mangalagiu: Fluorescent studies of pyrrolo-azaheterocyclic compounds precursors for synthesis of new polymeric materials International Conference on Material Science and Engineering BraMat, Brasov 24 - 26 February **2011**, (Poster **II.P.47**).
38. L. Odochian, **C. Moldoveanu**, A. M. Mocanu, N. Apostolescu: TG-FTIR method applied to the study of the thermal degradation mechanism of additive-containing PTFE in air and under nitrogen atmosphere Al 20-lea Simpozion anual de Comunicari Stiintifice Academia Romana, 11 februarie **2011**, (Communication 20).
39. L. Odochian, A. M. Mocanu, **C. Moldoveanu**, N. Apostolescu, M. Romila: Contribuții la mecanismul degradării termice în aer și azot a PTFE aditivată prin TG-FTIR Zilele Universitatii “Al. I. Cuza-Iasi”, 12 - 13 noiembrie **2010**, (Poster **P4**).
40. D. Mantu, V. Bejan, **C. Moldoveanu**, Ghe. Zbancioc, I. Mangalagiu: New pyridazine derivatives and their antituberculosis activity Zilele Universitatii “Al. I. Cuza-Iasi”, 12 - 13 noiembrie **2010**, (Poster **P51**).
41. Bejan, V.; Mantu, D.; Zbancioc, Ghe.; **Moldoveanu, C.**; Mangalagiu I.: UV-VIS studies of new pyrrolo-diazinic compounds with fluorescent properties 2-nd National Conference with International Participation Nanostructured Multifunctional Materials, Universitatea “Al. I. Cuza-Iasi”, 4 - 5 noiembrie **2010**, (Poster **8-P-4**).
42. Gheorghita, C.A.; Supuran, C.; Zbancioc, Ghe.; **Moldoveanu, C.**; Mangalagiu I.: Fluorescent compounds with diazine skeleton 2-nd National Conference with International Participation Nanostructured Multifunctional Materials, Universitatea “Al. I. Cuza-Iasi”, 4 - 5 noiembrie **2010**, (Poster **8-P-8**).
43. Gheorghita, C.A.; Supuran, C.; Zbancioc, Ghe.; **Moldoveanu, C.**; Mangalagiu I.: „Hybrid sulfonamides with diazine skeleton”; 1-ere Colloque Franco-Roumain de Chemie Medicinale 7-8 october **2010**, Universite Al. I. Cuza Iasi, Roumanie (poster P. 14).
44. Mantu, D.; Bejan, V.; **Moldoveanu, C.**; Zbancioc, Ghe.; Mangalagiu I.: „Nouvelles pyridazinones N-substituees et leur activite antituberculeuse”; 1-ere Colloque Franco-Roumain de Chemie Medicinale 7-8 october **2010**, Universite Al. I. Cuza Iasi, Roumanie (poster P. 47).
45. Bejan, V.; Mantu, D.; Zbancioc, Ghe.; **Moldoveanu, C.**; Mangalagiu I.: „Etudes biologiques (proprietes anticancereuses) de nouveaux composés pyrrolo-azaheterocycliques”; 1-ere Colloque Franco-Roumain de Chemie Medicinale 7-8 october **2010**, Universite Al. I. Cuza Iasi, Roumanie (poster P. 4).
46. **Moldoveanu, C.**; Astefanei, D.; Risca, M.; Zbancioc, Ghe.; Mangalagiu I.: „Imidazole derivatives with potential practical applications”; XXXI-st Romanian Chemistry Conference 6-8 october **2010**, Ramnicu-Valcea, Romania (oral presentation C.S.I. 10).
47. Zbancioc, Ghe.; Bejan, V.; **Moldoveanu, C.**; Mangalagiu I.: „Synthesis of fluorescent pyrrolo-diazine derivatives”; XXXI-st Romanian Chemistry Conference 6-8 october **2010**, Ramnicu-Valcea, Romania (oral presentation C.S.I. 14).
48. Bejan, V.; Mantu, D.; Zbancioc, Ghe.; **Moldoveanu, C.**; Mangalagiu I.: „Synthesis of quaternary salts, precursors of some pyrrolo-azaheterocyclic compounds (classical versus ultrasounds)”; XXXI-st Romanian Chemistry Conference 6-8 october **2010**, Ramnicu-Valcea, Romania (poster P.S.I. 4).
49. Mantu, D.; Bejan, V.; **Moldoveanu, C.**; Mangalagiu I.: „New pyridazine derivatives and their antituberculosis activity”; XXXI-st Romanian Chemistry Conference 6-8 october **2010**, Ramnicu-Valcea, Romania (poster P.S.I. 15).

50. L. Odochian, A. M. Mocanu, N. Apostolescu, **C. Moldoveanu**: Comparative Study on Thermal Degradation of new Diazoaminoderivatives under Air and Nitrogen Atmosphere by TG-FTIR Analysis Al 19-lea Simpozion anual de Comunicari Stiintifice Academia Romana, 12 februarie **2010** (Communication).
51. A. M. Mocanu, L. Odochian, **C. Moldoveanu**, N. Apostolescu: Analiza TG-FTIR în aer a unor noi diazoaminderivati (II), Zilele Universitatii "Al. I. Cuza-Iasi", 30 - 31 octombrie **2009**, (Poster P72).
52. A. M. Mocanu, L. Odochian, N. Apostolescu, G. Carja, **C. Moldoveanu**: Study on Thermal Behaviour of Some new Diazoaminoderivatives in Air and by Evolved Gas Analysis (TG-FTIR) Al 18-lea Simpozion anual de Comunicari Stiintifice Academia Romana, 12 februarie **2009** (Communication 8).
53. **Moldoveanu C.**, Zbancioc A.M., Florea O., Mangalagiu, I. SYNTHESIS OF MACROCYCLIC PRECURSORS BY CONVENTIONAL AND NONCONVENTIONAL METHODS, The 2nd European Chemistry Congress, 16-20 Seeptember **2008**, Torino – Italy (poster I-III-P-018).
54. Zbancioc, G.; **Moldoveanu, C.**; Mangalagiu, I.: „Synthese de Nouvelles Pyrrolopyridazines Hautement Fluorescentes”; Cinquieme Colloque Franco-Roumain de Chimie Apliquee 25-29 juin **2008**, Bacău, Roumanie (pp. 84).
55. **Moldoveanu, C.**; Mangalagiu, G.; Zbancioc, G.; Mangalagiu, I.: „Etude UV-Visible sur la Stabilité des Ylures de 4-(4-chlorophenyl)pyrimidinium”; Cinquieme Colloque Franco-Roumain de Chimie Apliquee 25-29 juin **2008**, Bacău, Roumanie (pp 64).
56. Odochian, L., **Moldoveanu, C.**, Mocanu, A., Cârjă, G.: „Corelarea Structurii Unor noi Complecși Hidrazinici cu Termostabilitatea și Mecanismul lor de Degradare Termică”; Zilele Universitatii “Al. I. Cuza-Iasi”, 24 - 25 octombrie **2008**, (Scurta comunicare SC2).
57. **C. Moldoveanu**, M. Rîșca, G. Zbancioc, I Mangalagiu: „Noi Derivați de Imidazol: Sinteza și Efectul lor Asupra Germinației și Creșterii Plantelor”; Zilele Universitatii “Al. I. Cuza-Iasi”, Zilele Universitatii “Al. I. Cuza-Iasi”, 24 - 25 octombrie **2008**, (Poster P25).
58. G. Zbancioc, A.M. Zbancioc, **C. Moldoveanu**, I Mangalagiu: „Sinteza Asistată de Microunde a unor Intermediari Macro ciclici cu Potențială Activitate Anticancerasă”; Zilele Universitatii “Al. I. Cuza-Iasi”, 24 - 25 octombrie **2008**, (Poster P26).
59. Mocanu, A., **Moldoveanu, C.**, Odochian, L.: „Studiul Prin Metode Termice Neizoterme a Unor Noi Azometine”; Zilele Universitatii “Al. I. Cuza-Iasi”, 24 - 25 octombrie **2008**, (Poster P22).
60. Păiuș, M.C., **Moldoveanu, C.**, Odochian, L., Constantinescu, M., Șoldea, C.: „Cinetica Reacției de Obținere a Intermediarului Chee în Prepararea Moscului de Xilen din Amestec de Xileni”; Zilele Universitatii “Al. I. Cuza-Iasi”, 24 - 25 octombrie **2008**, (Poster P24).
61. **C. Moldoveanu**, M. Rîșca, G. Zbancioc, I Mangalagiu: „Noi Derivați de Imidazol: Sinteza și Efectul lor Asupra Germinației și Creșterii Plantelor”; XXX-th Romanian Chemistry Conferance 8-10 october **2008**, Calimanesti-Caciulata, Valcea, Romania (poster P.S.I. 44).
62. G. Zbancioc, A.M. Zbancioc, **C. Moldoveanu**, I Mangalagiu: „Sinteza unor precursori macrociclici prin metode neconvenționale”; XXX-th Romanian Chemistry Conferance 8-10 october **2008**, Calimanesti-Caciulata, Valcea, Romania (poster P.S.I. 72).
63. **Moldoveanu, C.**, Odochian, L., Mangalagiu, I., Dumitraș, M., Apostolescu, N.: „Studiul ilidelor cu carbanion ciclic derivate de la 4-(4-clorofenil)-pirimidină prin metodele termice TG-DTG-DTA”; Zilele Universitatii “Al. I. Cuza-Iasi”, 26 - 27 octombrie **2007**, (Prezentare orala PO4).
64. **Moldoveanu, C.**, Odochian, L., Mangalagiu, I., Dumitraș, M., Apostolescu, N.: „Studiul unor noi ilide ciclice și a unor noi spirani prin metode termice”; Zilele Universitatii “Al. I. Cuza-Iasi”, 26 - 27 octombrie **2007**, (Poster P63).
65. Zbancioc, Ghe., **Moldoveanu, C.**, Caprosu, M., Mangalagiu, I. „Synthesis of Highly Fluorescent Materials through *Eco-friendly Methods*” 1-st Conferance Nanostructured Multifunctional Materials, 18-20 October **2007**, Sinaia, Romania (poster P-7-05).
66. **Moldoveanu, C.**, Mangalagiu, G., Maftai, D., Mangalagiu, I. „New Pyrrolopyrimidine Derivatives under Ultrasounds Irradiation” 1-st Conferance Nanostructured Multifunctional Materials, 18-20 October **2007**, Sinaia, Romania (poster P-2-02).
67. **Moldoveanu, C.**, Mangalagiu, G., Maftai, D., Petrovanu, M., Mangalagiu, I. „Reactia 4-(4-clorofenil)pirimidinu Ilidelor cu Metil Propiolat: un Studiu Teoretic si Experimental” A XXI-a Sesiune de comunicari stiintifice a I.C.M. „Petru Poni” Iasi, 26-29 septembrie **2007**, Iasi, Romania (poster P.I.2).
68. Mangalagiu, I.I.; Zbancioc, Ghe.; **Moldoveanu, C.**; Caprosu, M.: Synthesis of Highly Fluorescent Materials Through Eco-friendly Methods, 41<sup>st</sup> IUPAC World Chemistry Congress, August 5-11, **2007**. Torino, Italia, SO8P30, pag. 204, Poster.
69. G. Zbancioc, **C. Moldoveanu**, A. M. Balan, M. Livadariu, O. Florea, I. I. Mangalagiu, Precursors of Coronands with Hydroxyacetophenone Skeleton: Synthesis, Structure and Properties, International Symposium on Organic Chemistry, December 9-12, **2006**, Sofia, Bulgaria (poster P2-18).

70. A. M. Balan, **C. Moldoveanu**, G. Zbancioc, O. Florea, I. I. Mangalagiu, Precursors of Coronands with Aliphatic Arms: Synthesis, Structure and Properties, International Symposium on Organic Chemistry, December 9-12, **2006**, Sofia, Bulgaria (poster P2-11).
71. **C. Moldoveanu**, G. Zbancioc, Geanina Mangalagiu, I. Mangalagiu: „ILIDE CU CARBANION CICLIC DERIVATE DE LA 4-R-PIRIMIDINA”; Zilele Universitatii “Al. I. Cuza-Iasi”, 27 - 28 octombrie **2006**, (Prezentare orală PO3).
72. G. Zbancioc, **C. Moldoveanu**, Maria Caprosu, I. Mangalagiu: „UTILIZAREA MICROUNDELOR IN SINTEZA UNOR DERIVATI PIROLOPIRIDAZINICI PUTERNIC FLUORESCENTI”; Zilele Universitatii “Al. I. Cuza-Iasi”, 27 - 28 octombrie **2006**, (Prezentare orală PO2).
73. **C. Moldoveanu**, Geanina Mangalagiu, Magda Petrovanu, I. Mangalagiu: „REACTIA 4-R-PIRIMIDINIULIDELOR CU ALCHINE ACTIVATE”; XXIX-th Romanian Chemistry Conference 4-6 october **2006**, Calimanesti-Caciulata, Valcea, Romania (poster P.S.I. 54).
74. **C. Moldoveanu**, M. Livadariu, A. Corbu, I. Mangalagiu, SYNTHESIS OF MACROCYCLIC PRECURSORS BY CONVENTIONAL AND NONCONVENTIONAL METHODS, The 1st European Chemistry Congress, 27-31 August **2006**, Budapest – Hungary (poster G-PO-57).
75. I. Mangalagiu, M. Florescu, Ghe. Zbancioc, **C. Moldoveanu**, M. Caprosu, Synthesis of New 1,2-Diazine Nanomaterials, International Conference on Nanoscience and Technology 2006, 30 July - 04 august **2006**, Berna – Elvetia (poster 1292).
76. **Costel Moldoveanu**, Gheorghita Zbancioc, Geanina Mangalagiu, Ionel I. Mangalagiu, The Action of Cyclic Unsaturated Anhydride toward 4-R-Pyrimidines, The JCF-Frühjahrssymposium 2006, 16-18 March **2006**, Konstanz – Germany (poster P64).
77. Gheorghita Zbancioc, **Costel Moldoveanu**, Maria Caprosu, Ionel I. Mangalagiu, Microwave-Assisted [3+2] Dipolar Cycloaddition Reactions of Pyridazinium Ylides Leading to Highly Fluorescent Pyrrolopyridazine Derivatives, The JCF-Frühjahrssymposium **2006**, 16-18 March **2006**, Konstanz – Germany (poster P109).
78. **C. Moldoveanu**, Ghe. Zbancioc, Geanina Mangalagiu, Maria Caprosu and I. Mangalagiu, „4-R-PYRIMIDINIUM YLIDES WITH CYCLIC CARBANION”, The XIV-th Romanian International Conference on Chemistry and Chemical Engineering, 22-24 September **2005**, Bucharest – ROMANIA (poster S07-P-06).
79. Ghe. Zbancioc, Maria Caprosu, **C. Moldoveanu**, Magda Petrovanu, I. Mangalagiu, “MICROWAVE ASSISTED 1,3-DIPOLAR CYCLOADDITION REACTIONS OF 1,2-DIAZINIUM YLIDES IN SOLID-PHASE”, The XIV-th Romanian International Conference on Chemistry and Chemical Engineering, 22-24 September **2005**, Bucharest – ROMANIA (poster S07-P-07).
80. **C. Moldoveanu**, G. Zbancioc, Geanina Mangalagiu, Maria Caprosu and I. Mangalagiu: „The cycloaddition reaction of 4-Methyl- and 4-(Halophenyl) pyrimidinium (4-Halobenzoyl)methylides with methyl prop-2-ynoate”; Zilele Universitatii “Al. I. Cuza-Iasi”, 28 - 29 octombrie **2005**, (Poster P27).
81. G. Zbancioc, M. Caprosu, **C. Moldoveanu**, M. Petrovanu and I. Mangalagiu: „Microwave assisted inactivation reaction of phthalazinium ylides”; Zilele Universitatii “Al. I. Cuza-Iasi”, 28 - 29 octombrie **2005**, (Poster P28).
82. Zbancioc, G.; Caprosu, M.; **Moldoveanu, C.**; Iruć, R. & Mangalagiu, I.: „Reaction de cycloaddition 1,3-dipolaires de 4-halophenyl-phthalazinium ylures sur des alcenes et alcynes actives”; Troisieme Colloque Franco-Roumain de Chimie Apliquee 22-26 septembre **2004**, Slanic Moldova, Bacau Roumanie (poster A 42).
83. Drochioiu, G.; Ungureanu, M.; **Moldoveanu, C.**; Mangalagiu, I.; Murariu, M.; Drăgan, D. & Molnar, R.: „Reaction du dinitro-o-cresol dans l’environnement avec permanganate: determination et decontamination”; Troisieme Colloque Franco-Roumain de Chimie Apliquee 22-26 septembre **2004**, Slanic Moldova, Bacau Roumanie (communication orale C 5)
84. **Moldoveanu, C.**, Zbancioc, G., Caprosu, M., Mangalagiu, G. & Mangalagiu, I.: „Ylures de 4-(4-chlorophenyl)pyrimidinium. Structure, stabilitate, reactivitate” Troisieme Colloque Franco-Roumain de Chimie Apliquee 22-26 septembre **2004**, Slanic Moldova, Bacau Roumanie (poster F 16).
85. Zbancioc, G.; **Moldoveanu, C.**; Caprosu, M.; Petrovanu, M., and Mangalagiu, I.: „Microwave assisted reactions in the diazine heterocycles series”; XXVIII-th Romanian chemistry conference 6-8 october **2004**, Calimanesti-Caciulata, Valcea, Romania (conference C.S.I. 5).
86. Mangalagiu, G.; **Moldoveanu, C.**; Zbancioc, G.; Petrovanu, M., and Mangalagiu, I.: „Pyrimidinium ylides. Structure, stability, properties”; XXVIII-th Romanian chemistry conference 6-8 October **2004**, Calimanesti-Caciulata, Valcea, Romania (poster P.S.I. 33).
87. Drochioiu, G.; Ungureanu, M.; **Moldoveanu, C.**; Mangalagiu, I.; Murariu, M.; Drăgan, D. & Molnar, R.: „La reaction du dinitro-o-cresol avec permanganate: determination et decontamination”; Zilele Universitatii “Al. I. Cuza-Iasi”, 29 - 30 octombrie **2004**, (Poster P70)
88. G. Zbancioc, M. Caprosu, **C. Moldoveanu**, M. Petrovanu and I. Mangalagiu: „MICROWAVE ASSISTED 1,3-DIPOLAR CYCLOADDITION REACTIONS OF 4-HALOBENZOYLPHTHALAZINIUM YLIDES”; Zilele Universitatii “Al. I. Cuza-Iasi”, 29 - 30 octombrie **2004**, (Poster P92)

89. **C. Moldoveanu**, M. Harhota, G. Zbancioc, M. Caprosu, M. Petrovanu and I. Mangalagiu: „4-R-PYRIMIDINIUM YLIDES. STRUCTURE. STABILITY. PROPERTIES. BIOLOGICAL ACTIVITY”; Zilele Universitatii “Al. I. Cuza-Iasi “, 29 - 30 octombrie **2004**, (Poster P82).
90. Caprosu, M.; Zbancioc, Ghe. ; **Moldoveanu, C.**; Mangalagiu, I. si Petrovanu, M: “1,3 dipolar cycloaddition of 4-halophenylphtalazinium ylides with activated alkynes and alkenes ”; “Al. I. Cuza-Iasi “ University’s days, 31 October -1 November **2003**.
91. **Moldoveanu, C.** ; Mangalagiu, G. si Mangalagiu, I. : “New pyrimidinium ylides. Synthesis and spectral characterization of 4-(4-chlorophenyl)-pyrimidinium salts. “; “Al. I. Cuza-Iasi “ University’s days, 31 October -1 November **2003**.
92. I. Mangalagiu, Maria C. Caprosu, Geanina C. Mangalagiu, Ghe. Zbancioc, **C. Moldoveanu** and Magda Ghe. Petrovanu: “Diazinium Methylides: Reaction with alkynes”, 3<sup>rd</sup> International Conference of the Chemical Societies of the South-Eastern European Countries, Bucuresti, Romania, September 22-25 **2002**. PO002 (in English). Poster.
93. Drochioiu, G.: Mangalagiu, G., **Moldoveanu, C.**; Petrovanu, M.; Mangalagiu, I.: “A XXVII-A SESIUNE NATIONALA DE CHIMIE”, P-48, pag. 73, “Reactii ale N-heterociclurilor sub actiunea microundelor”, Rimnicu-Vilcea, October **2002**, (in English). Poster.

#### List of Books:

1. EXERCITII SI PROBLEME DE CHIMIE ORGANICA, Maria Caprosu, **Costel Moldoveanu**, Ionel Mangalagiu, *Editura Universitatii „Al. I. Cuza”- Iasi*, **2005**.
2. BAZELE CHIMIEI ORGANICE – MANUAL DE LABORATOR Vol I, **Costel Moldoveanu**, Gheorghita Zbancioc, Roxana Tucaliuc, Ana-Maria Zbancioc, Ondina Boita, Ionel Mangalagiu, *Editura Universitatii „Al. I. Cuza”- Iasi*, **2008**.
3. CHIMIE SI TOXICOLOGIE JUDICIARA. Separatologie judiciara, Ionel Mangalagiu; Ramona Danac; **Costel Moldoveanu**; Gheorghita Zbancioc, *Editura „AIT –SRL Laboratory”*, Bucuresti **2011**. (217 pag.) ISBN: 978-606-8363-09-7x2

#### National Grants:

1. Project manager for PNII, MEC-CNCSIS cod UEFISCDI **PN-II-RU-TE-2011-3-0010**, Project title: New imidazole derivatives - from ionic liquids to N-heterocyclic carbenes - with potential practical applications. (grant value: 750000 RON)
2. Project manager for **TD**; Nr. contract: **60GR/2006**; Tema: **7**; Cod CNCSIS: **432**, Project title: Spyroheterocyclic nanostructures derived from 4-(4-chlorophenyl)-pyrimidine, with possible biological activities. (grant value: 12000 RON)
3. Research team member: Grant CNCSIS Tip A, 2003-2005 " The reactions under microwaves heating in heterocyclic systems" –project manager: dr. Ionel Mangalagiu. (Valoare 2003: 1650 EUR, Valoare 2004: 3300 EUR, Valoare 2005: 5000 EUR).
4. Research team member: Romanian Ministry of Education and Research type CEEEX, MATNANTECH 2005 - 2008, " Macrocyclic nanostructures of coronand type by conventional and unconventional methods (microwaves and ultrasounds).", Project manager: dr. Ionel Mangalagiu. (grant value: 35000 EUR)
5. Research team member: Romanian Ministry of Education and Research type CEEEX, BIOTECH 2005 - 2008, " The obtaining, and the physical-chemical and biochemical characterization of some glicozid-steroidic biopreparations with vegetal origins ", Project manager: dr. Ionel Mangalagiu. (grant value: 43000 EUR)
6. Research team member: Grant PN-II-Ideii, Nr. Contract: 88/2008 " Chemosenzori cu schelet macrociclic" – project manager: dr. Ionel Mangalagiu. (Valoare 2010: 150000 RON, Valoare 2011: 200546 RON).

#### International 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: 13135 RON, Valoare 2011: 13135 RON).

2. 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.
3. Research team member: Grant FP7- People-2009-IRSES, Project title: Photocatalytic Clusters Complexes for Artificial Photosynthesis Applications, Finantator: European Union- FP7 program IRSES, Directori: prof.dr. Ionel Mangalagiu, Romania/ prof. Dr. Andrew Benniston (coordinator), UK/ prof.dr. Constantin Turta, Moldova. (Valoare: 41280 EUR).
4. Research team member: Grant bilateral Romania – Moldova, grant nr. . 682/2013, Project title: Sinteza compușilor noi biologic activi cu unități structurale terpenice și heterociclice, Finantator: Guvernul Moldovei si Guvernul Rominiei (ANCS, PN-II, Modul III), Directori: conf.dr. Gheorghita Zbancioc, Romania/ CP I.dr. Alexandru Ciocarlan, Academy of Science of Rep. Moldova. (Valoare: 29000 RON).
5. Research team member: Grant NATO- Collaborative Linkage Grant, grant no. PDD(CP)-(CBP.EAP.CLG 982499)/20.11.2006, Project title: Synthesis of Highly Fluorescent Materials Through Eco-friendly Methods, Finantator: NATO PROGRAMME SECURITY THROUGH SCIENCE, Directori: prof.dr. Ionel Mangalagiu, Romania/ prof. Dr. Ulrich Groth, Germania. (Valoare: 5000 EUR).