

# CURRICULUM VITAE

## INFORMAȚII PERSONALE

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Iasi, 03.12.1978

## EXPERIENȚA PROFESIONALĂ

### ACTIVITATE DE EVALUARE ȘI EXPERTIZĂ

**Membru în comisii de disertație, definitivat, gradul didactic I, referate în cazul stagiilor de doctorat**

### DOMENII DE COMPETENȚĂ

**Chimia heterociclicilor, Sinteza organică, Cicloimoniu ilide, Chimia supramoleculară (sinteza unor oxazacoronanzi și oxacoronanzi), Studiul reacțiilor în condiții neconvenționale (microunde/ultrasunete).**

### 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: **22** cu **ISI** în reviste din **străinătate**, **8** cu **ISI** în reviste din **țară**, **9** în reviste non ISI din țară.
- **participări** la manifestări științifice 88, din care în străinătate 15

**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 (2), lucrări de disertație (5), lucrări metodic-științifice pentru obținerea gradului I în învățământul preuniversitar (0).

**REFERENT ȘTIINȚIFIC:** Acta Chemica Iasi (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: **6**; cu finanțare externă: **3**


**2012 – prezent**, conferențiar universitar, prin concurs (Decizia nr. 846/ 28.09.2012.), la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

**2009 – 2012: lector universitar**, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;

**2007– 2009: asistent universitar**, prin concurs, la Universitatea „Alexandru Ioan Cuza” din

SPECIALIZĂRI POSTUNIVERSITARE	<p>Iași, Facultatea de Chimie;  <b>2005– 2007: preparator universitar</b>, prin concurs, la Universitatea „Alexandru Ioan Cuza” din Iași, Facultatea de Chimie;  <b>2003– 2005: preparator universitar</b>, prin concurs, la Universitatea de Științe Agricole și Medicină Veterinară „Ion Ionescu de la Brad”, Facultatea de Horticultura;</p>
EDUCAȚIE	<p>2008 - doctorat în Chimie, Specialitatea Chimie  2002-2007-stagiul 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 Heterociclicilor, 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  <b>1997</b> iunie, examen de bacalaureat, Liceul Grup Scolar Energetic, Iasi  <b>1993-1997</b>, Liceul Grup Scolar Energetic, Iasi</p>
STAGII DE PREGĂTIRE ȘI MOBILITĂȚI	<p><b>2006</b> (1 x luna), stadiu de specializare în domeniul GC-MS, la Departamentul de Chimie din cadrul Universității din Konstanz, Germania, în grupul de cercetare al profesorului Ulrich Groth.</p>
MEMBRU ÎN SOCIETĂȚI ȘTIINȚIFICE	<p>Membru al Societății Române de Chimie,</p>
CUNOȘTINȚE UTILIZARE COMPUTERE	<p>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.</p>
LIMBI STRĂINE CUNOSCUTE	<p>Engleză (citit, scris, vorbit); Franceză (citit).</p>

Iași  
16.12. 2013

Semnătura  
  
Conf. univ. dr. Gheorghita ZBANCIOC

## List of Publications:

1. Zbancioc, A.M.; Miron, A.; Tuchilus, C.; Rotinberg, P.; Mihai, C.T.; Mangalagiu, I.; **Zbancioc, Ghe: Synthesis and in vitro analysis of novel dihydroxyacetophenone derivatives with antimicrobial and antitumor activities**, *Medicinal Chemistry*, 00, 1-8, **2014**. ISSN: 1573-4064
2. Kuchkova, K.; Aricu, A.; Secara, E.; Barba, A.; Vlad, P.; Ungur, N.; Tuchilus, C.; Shova, S.; **Zbancioc, G.**; Mangalagiu, I.: **Design, synthesis, and antimicrobial activity of some novel homodrimane sesquiterpenoids with diazine skeleton**, *Meicinal Chemistry Research*, 00, 1-10, **2014**. DOI: 10.1007/s00044-013-0720-3
3. **Zbancioc, G.**; Zbancioc, A.M.; Mangalagiu, I.: **Ultrasound and microwave assisted synthesis of dihydroxyacetophenone derivatives with or without 1,2-diazine skeleton**, *Ultrasonics Sonochemistry*, 21(2), 802-811, **2014**. DOI: 10.1016/j.ultsonch.2013.09.012
4. Habasescu, L.; **Zbancioc, G.**; Gradinaru, R.V.; Murariu, M.; Ferencz, L.; Drochioiu, G.: **Copper binding to SG and EE peptides as a function of pH. Implication for understanding amyloidogenesis**, *Rev. Roum. Chim.*, 58(6), 501-509, **2013**. ISSN: 0035-3930.
5. Zbancioc, A.M.; Miron, A.; Moldoveanu, C.; **Zbancioc, Ghe: Imidazolium Salts with Dihydroxyacetophenone Skeleton with Anticipated Anticancer Activity. Part II**, *Rev. Chim. (Bucharest)*, 64 (6), 584-586, **2013**.
6. Maftei, D.; **Zbancioc, G.**; Humelnicu, I.; Mangalagiu, I.I.: **Conformational Effects on the Lowest Excited States of Benzoyl-Pyrrolopyridazine. Insights from PCM Time-Dependent DFT**, *J. Phys. Chem. A*, 117(15), 3165-3175, **2013**. DOI: 10.1021/jp311396m
7. Kuchkova, K.; Aricu, A.; Barba, A.; Vlad, P.; Shova, S.; Secara, E.; Ungur, N.; **Zbancioc, G.**; Mangalagiu, I.: **An Efficient and Straightforward Method to New Organic Compounds: Homodrimane Sesquiterpenoids with Diazine Units**, *Synlett*, 24, 697-700, **2013**.
8. **Zbancioc, G.**; Drochioiu, G.; Mangalagiu, I.: **Nicotine and tobacco alkaloids: A GC-MS analzsis. Part 2: The tobacco and smoking**, *International Journal of Criminal Investigation*, 2(4), 251-257, **2012**.
9. **Zbancioc, G.**; Gradinaru, R.; Drochioiu, G.; Mangalagiu, I.: **Nicotine and tobacco alkaloids: A GC-MS approach**, *International Journal of Criminal Investigation*, 2(1), 3-10, **2012**.
10. **Zbancioc, G.**; Florea, O.; Jones, P.G.; Mangalagiu, I.I.: **An efficient and selective way to new highly functionalized coronands or spiro derivatives using ultrasonic irradiation**, *Ultrason. Sonochem*, 19(3), 399-403, **2012**. DOI:10.1016/j.ultsonch.2011.08.001.
11. Drochioiu, G.; Sandu, I.; Gradinaru, R.; **Zbancioc, G.**; Mangalagiu, I.: **Ninhydrin-based forensic investigations: II. Cyanide analytical toxicology**, *International Journal of Criminal Investigation*, 1(4), 213-226, **2011**.
12. **Zbancioc, G.**; Moldoveanu, C.; Gradinaru, R.; Drochioiu, G.; Olteanu, G.; Mangalagiu, I.: **The metabolism of drugs / toxics in the body. Case study: BZP**, *International Journal of Criminal Investigation*, 1(1), 17-24, **2011**.
13. 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 Lett.*, 52, 6439-6442, **2011**. DOI:10.1016/j.tetlet.2011.09.093.
14. Gradinaru, R.; Ionas, A.; Pui, A.; **Zbancioc, G.**; Drochioiu, G.: **Interaction of inorganic mercury with CoA-SH and acyl-CoAs**, *Biomaterials*, 24, 1115-1121, **2011**. DOI: 10.1007/s10534-011-9472-z.
15. Murariu, M.; Dragan, E. S.; Adochitei, A.; **Zbancioc, G.**; Drochioiu, G.: **Silver-induced conformational changes of polypeptides: A CD study**, *J. Pept. Sci.*, 17, 512-519, **2011**.
16. 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.
17. Zbancioc, A.M.; **Zbancioc, Ghe**; Tanase, C. Miron, A.; Mangalagiu I. I.: **Design, synthesis and in vitro anticancer activity of a new class of dual DNA intercalators**, *Lett. Drug Des. Discov.*, 7, 644-649, **2010**. Bentham Science Publishers, ISSN: 1570-1808.
18. **Zbancioc, G.**; Huhn, T.; Groth, U; Deleanu, C.; Mangalagiu, I; **Pyrrolopyridazine derivatives as blue organic luminophores: synthesis and properties. Part 3**, *Tetrahedron*, 66, 4298-4306, **2010**. ISSN: 0040-4020.
19. **Zbancioc, G.**; Mangalagiu, I; **Pyrrolopyridazine derivatives as blue organic luminophores: synthesis and properties. Part 2**, *Tetrahedron*, 66, 278-282, **2010**. ISSN: 0040-4020.
20. **Zbancioc, G.**; Zbancioc, A.M.; Mangalagiu, I.I.; **Environmentally friendly Methods for synthesis of new aromatic bisesters**, *Synthetic commun.*, 40(15), 2201-2208, **2010**. ISSN: 0039-7911.
21. **Zbancioc, G.**; Zbancioc, A.M.; Mantu, D.; Miron, A.; Tanase, C.; Mangalagiu, I.I.; **Ultrasonds assisted synthesis of highly functionalized acetophenone derivatives in heterogeneous catalysis**, *Rev. Roum. Chim.*, 55(11-12), 983-987, **2010**. ISSN: 0035-3930.
22. **Zbancioc, G.**; Zbancioc, A.M.; Mangalagiu, I.I.; **Microwave assisted reactions of aromatic bisesters in liquid phase**, *Rev. Roum. Chim.*, 55(2), 117-122, **2010**. ISSN: 0035-3930.

23. **Zbancioc, Ghe.**; Bejan, V.; Risca, M.; Moldoveanu, C.; Mangalagiu, I.; **Microwave assisted reactions of some azaheterocyclic compounds**, *Molecules* 14, 403-411; doi:10.3390, **2009**.
24. Balan A.M.; Florea O.; Moldoveanu, C.; **Zbancioc Ghe**; Iurea, D.; Mangalagiu I. I.: **Diazinium salts with dihydroxyacetophenone skeleton: Syntheses and antimicrobial activity**, *Eur. J. Med. Chem.*, 44, 2275-2279, **2009**.
25. Balan, A.M.; **Zbancioc, G.**; Bentea, E.; Carja, I.; Ungureanu, M.; Tuchilus, C.; Mangalagiu, I.; **Synthesis and antimicrobial activity of new aromatic esters of potential interest in supramolecular chemistry**, *Rev. Chim. (Bucharest)*, 60 (10), 1021-1024, **2009**.
26. Drochioiu, G.; Adochitei, A.; Habasescu, L.; **Zbancioc, G.**; Pui, A.; Gradinaru, R.; Rusu, E.; **CD and FT-IR study of some adducts of albumin with toxic dinitophenyl derivatives**, *Bull. Instit. Polith. Iasi*, Sectia Chimie si Inginerie Chimica, Tomul LV (LIX), Fasc. 4, 23-28, **2009**.
27. Murariu, M.; Stela, Dragan, E.S.; Adochitei, A.; Habasescu, L.; **Zbancioc, G.**; Pui, A.; Drochioiu, G.; **Conformational changes of peptides on binding metals: CD & FT-IR studies**, *Bull. Instit. Polith. Iasi*, Sectia Chimie si Inginerie Chimica, Tomul LV (LIX), Fasc. 4, 89-94, **2009**.
28. Mangalagiu, I.I.; Florescu, M.; **Zbancioc, G.**; Caprosu, M.: **Synthesis of new 1,2-diazine nanomaterials through conventional and nonconventional methods**, *Journal of Physics: Conferince Series*, **2007**, 61, 484-486.
29. **Zbancioc, G.**; Mangalagiu, I.: **Microwave-assisted synthesis of highly fluorescent pyrrolopyridazine derivatives**, *SynLett*, **2006**, (05), 0804-0806.
30. Dima, St.; **Zbancioc, G.**; Mangalagiu, I. I.: **The cycloaddition reactions of 1-methylphthalazinium ylides to non symmetrical substituted alkynes in solid-phase and interphasic catalysis**, *J. Serb. Chem. Soc.*, **2006**, 71 (2), 103-110.
31. Risca, I.M.; **Zbancioc, G.**; Moldoveanu, C.; Drochioiu, G.; Mangalagiu, I.: **Effect of some new monoquaternary salts of diazine on germination and seedling growth of Norway spruce (*Picea abies* (L.) Karsten)**, *Rom. Biotech. Lett.*, **2006**, 11(1), 2563-2568.
32. **Zbancioc, G.**; Caprosu, M.; Moldoveanu, C.; Mangalagiu, I.: **Microwave assisted synthesis for dimers via [3+3] dipolar cycloaddition**, *Arkivok*, **2005**, (x), 189-198.
33. Moldoveanu, C.; Mangalagiu, G.; **Zbancioc, G.**; Drochioiu, G.; Caprosu, M.; Mangalagiu, I.I.: **4-(4-Chlorophenyl)pyrimidinium ylides, 1. Structure, stability, reactivity**, *Arkivoc*, **2005**, (i), 7-19.
34. **Zbancioc, G.**; Caprosu, M.; Moldoveanu, C.; Mangalagiu, I.: **Microwave assisted 1-3 dipolar cycloaddition reactions of 4-halophenyl-phthalazinium ylides**, *Rev. Roum. Chim.*, **2005**, 50(5), 353-358.
35. Mangalagiu, I.; Risca, I.M.; Maftei, M.; **Zbancioc, G.**; Murariu, M.; Drochioiu, G.: **Effect of some new monoquaternary salts of pyridazine on germination and seedling growth of wheat**, *Rom. Biotech. Lett.*, **2005**, 10(6), 2495-2501.
36. Caprosu, M.; **Zbancioc, G.**; Moldoveanu, C.; Mangalagiu, I.: **1-3 dipolar cycloaddition reactions of 4-halophenyl-phthalazinium ylides to activated alkenes and alkynes**, *Collect. Czech. Chem. Commun.*, **2004**, 69 (2), 426-434.
37. Mangalagiu, I.I.; Caprosu, M.; Mangalagiu, G.; **Zbancioc, G.**; Petrovanu, M.: **Diazinium carbalkoxy methylides**, *Arkivoc*, **2002**, 3(II), 73-79.
38. **Zbancioc, G.**; Mangalagiu, G.; Dima, St.; Moldoveanu, C.; Petrovanu, M.; Mangalagiu, I.: **Microwave irradiation in synthesis of azinium salts**, *Anall. Sci. Univ. Iasi*, **2002**, 10 (1), 146-149.
39. Mangalagiu, I.; Mangalagiu, G.; Dima, St.; Moldoveanu, C.; **Zbancioc, Gh.**; Petrovanu, M.: **Study of the basicity of some 4-methyl-pyrimidinium ylides**, *Anall. Sci. Univ. "Al. I. Cuza" Iasi*, **2001**, 9(s1c), 115-118.

#### List of Conferences:

1. **Zbancioc, Ghe.**; Moldoveanu, C.; Maftei, D.; Antoci, V.; Mangalagiu, I.: **SINTEZA ŞI ELUCIDAREA STRUCTURII UNOR NOI DERIVATI DE PIRROLO-IMIDAZOL FLUORESCENTI** Zilele Universitatii "Al. I. Cuza-Iasi", 31 Octombrie - 2 Noiembrie **2013**, (Poster **P3**).
2. Moldoveanu, C.; **Zbancioc, Ghe.**; Mantu, D.; Stiuleac, P.M.; Silea, I.O.; Mangalagiu, I.: **SINTEZA DE NOI LICHIDE IONICE CU SCHELET IMIDAZOLIC** Zilele Universitatii "Al. I. Cuza-Iasi", 31 Octombrie - 2 Noiembrie **2013**, (Poster **P4**).
3. Mantu, D.; Antoci, V.; Moldoveanu, C.; **Zbancioc, Ghe.**; Mangalagiu, I. I.: **SYNTHESIS OF NEW IMIDAZOLE/BENZIMIDAZOLE SALTS**, Zilele Universitatii "Al. I. Cuza-Iasi", 31 Octombrie - 2 Noiembrie **2013**, (Poster **P2**).
4. Antoci, V.; Mantu, D.; **Zbancioc, Ghe.**; Moldoveanu, C.; Nicolescu, A.; Mangalagiu, I. I.: **NEW BIS-IMIDAZOLIUM SALTS: SYNTHESIS AND NMR CHARACTERIZATION**, Zilele Universitatii "Al. I. Cuza-Iasi", 31 Octombrie - 2 Noiembrie **2013**, (Poster **P6**).
5. Voda, I.; Turta, C.; **Zbancioc, Ghe.**; Moldoveanu, C.; Apostu, M. O.; Mangalagiu, I.: **SYNTHESIS, SPECTRAL CHARACTERIZATION AND X-RAY STRUCTURE OF A NEW COORDINATION COMPOUND OF COBALT (II) AND N,N'-(BUTANE-1,4-DIYL)BIS(2-(1-H-BENZIMIDAZOL-1-YL)ACETAMIDE)**, Zilele Universitatii "Al. I. Cuza-Iasi", 31 Octombrie - 2 Noiembrie **2013**, (Scurta Comunicare **SC 6**).
6. Voda, I.; Turta, C.; Harrington, R. W.; Benniston, A.; **Zbancioc, Ghe.**; Moldoveanu, C.; Mangalagiu, I.: **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**).

7. 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**)
8. **Zbancioc, G.**; Maftei D.; Moldoveanu, C.; Zbancioc, A.M.; Tataringa, 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**)
9. 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)
10. Antoci, V.; Mantu, D.; **Zbancioc, G.**; Mangalagiu, I.: SYNTHESIS OF NEW AZAHETEROCYCLIC COMPOUNDS USING ECOFRIENDLY METHODS, *E U R O I N V E N T*, European Exhibition of Creativity and Innovation, Iasi, Romania, 9-11 May **2013**, poster 20.2., pag.153, (Book of abstract), ISBN: 978- 973-703-891-3, (diploma de excelenta).
11. Mangalagiu, I.; **Zbancioc, Ghe.**; Maftei, D.: THEORETICAL AND EXPERIMENTAL STUDIES CONCERNING FLUORESCENT DERIVATIVES WITH AZAHETEROCYCLES SKELETON Nanoscience in mathematics, physics, chemistry and biology, Cluj, Romania, 21 May **2013**, (Poster).
12. Antoci, V.; Mantu, D.; **Zbancioc, Ghe.**; Moldoveanu, C.; Mangalagiu, I.: 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**).
13. Moldoveanu, C.; **Zbancioc, Ghe.**; Mantu, D.; Mangalagiu, I.: 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**).
14. Voda, I.; Moldoveanu, C.; **Zbancioc, Ghe.**; Turta, C.; Mangalagiu, I.: 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**).
15. **Zbancioc, Ghe.**; Moldoveanu, C.; Antoci, V.; Mangalagiu, I.: NMR STUDY OF NEW OXA-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**).
16. Zaharia, M.; Gradinaru, R.; **Zbancioc, G.**; Drochioiu, G.: EFFECTIVENESS OF AN ALCOHOL ASSAY IN ESTABLISHING UNCOUPLING ACTIVITY OF SOME POLLUTANTS Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 octombrie **2012**, (**CO 10**).
17. Andries, C.; Nemțoi, G.; Stoica, I.; **Zbancioc, G.**; Drochioiu, G.; Grădinaru, R.: INTERACTION OF COA-SH WITH METAL IONS Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 octombrie **2012**, (**CO 16**).
18. Drochioiu, G.; Petre, A.; Gradinaru, R.; **Zbancioc, G.**; Habasescu, L.; Ion, L.; Bancila, S.; Andries, C.; Murariu, M.; Mangalagiu, I.: METAL-PEPTIDE COMPLEXES INVOLVED IN THE NEURODEGENERATIVE DISEASES Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 octombrie **2012**, (**CO 19**).
19. Mangalagiu, I.; Zaharia, M.; Drochioiu, G.; Gradinaru, R.; Pui, A.; Bancila, S.; **Zbancioc, G.**: DINITROPHENOLS AND CYANIDE: ANALYTICAL AND TOXICOLOGICAL APPROACH Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 octombrie **2012**, (**CO 21**).
20. Bejan (Antoci), V.; Mantu, D.; **Zbancioc, G.**; Deleanu, C.; Mangalagiu, I. I.: SYNTHESIS UNDER ULTRASOUND IRRADIATION OF NEW PYRROLO-DIAZINIC COMPOUNDS WITH ACETOPHENONIC CHAIN Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 octombrie **2012**, (**P 17**).
21. Stoian, I.; Stiuleac, P. M.; Silea, I. O.; **Zbancioc, G.**; Moldoveanu, C.; Mangalagiu, I.: ULTRASOUND ASSISTED SYNTHESIS OF NEW IMIDAZOLIUM SALTS Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 octombrie **2012**, (**P 29**).
22. **Zbancioc, G.**; Moldoveanu, C.; Mantu, D.; Bejan (Antoci), V.; Mangalagiu, I.: SYNTHESIS OF NEW CORONANDS AND SPIRO-DERIVATIVES USING ULTRASONIC IRRADIATION Zilele Universitatii “Al. I. Cuza-Iasi”, 25 - 26 octombrie **2012**, (**P 30**).
23. Habasescu, L.; **Zbancioc, Ghe.**; Drochioiu, G.; Murariu M.: „AMYLOID-B PEPTIDES ASSOCIATED WITH ALZHEIMER DISEASE: PH-DEPENDENT COPPER MOBILIZATION BY Aβ FRAGMENT PEPTIDES SG AND ED”; XXXII-st Romanian Chemistry Conference 3-5 october **2012**, Călimănești-Căciulata, Valcea, Romania (Oral presentation C.S.I. 12).
24. Habasescu, L.; **Zbancioc, Ghe.**; Murariu M.; Drochioiu, G.: „ROLE OF FLYCINE RESIDUES IN AMYLOID-B PEPTIDES: COMPARATIVE ESI-MS, UV-VISIBLE AND IR STUDY USING COPPER-TETRAGLYCINE COMPLEXES AT VARIOUS PH VALUES”; XXXII-st Romanian Chemistry Conference 3-5 october **2012**, Călimănești-Căciulata, Valcea, Romania (Oral presentation C.S.I. 13).
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).
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1. Project manager for Grant TD, no. 27693/2005 CNCSIS 348, (2005-2006), Project title: Microwave assisted reaction in pyridazinium and phthalazinium ylides, Financed by CNCSIS, Romanian Ministry of Education and Research (grant value: 3500 €).
2. Research team member: **Grant PN-II-Idei, No. 268/5.10.2011**, (2012 - 2014), Project title: New polifunctional nitrogen derivatives (heterocycles, podants and macrocycles) as smart versatile building blocks for multiple tasks, Financed by UEFISCDI, Romanian Ministry of Education and Research – project manager: prof. dr. Ionel Mangalagiu. (grant value: 1.500.000 RON).
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4. Research team member: **Grant PN-II-Idei, No. Contract: 88/2008**, (2009 - 2011), Project title: Chemosenzori cu schelet macrociclic, Financed by CNCSIS, Romanian Ministry of Education and Research – project manager: prof. dr. Ionel Mangalagiu. (grant value: 1.500.000 RON).
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6. Research team member: **Grant CEEX, MATNANTECH, No. 36/2005**, (2005 – 2008), Project title: Macrocylic nanostructures of coronand type by conventional and unconventional methods (microwaves and ultrasounds), Financed by CNCSIS, MATNANTECH, Romanian Ministry of Education and Research – Project manager: prof. dr. Ionel Mangalagiu. (grant value: 35000 EUR)
7. Research team member: **Grant CEEX, BIOTECH, No. 49/2005**, (2005 – 2008), Project title: The obtaining, and the physical-chemical and biochemical characterization of some glicozid-steroidic biopreparations with vegetal origins, Financed by CNCSIS, BIOTECH, Romanian Ministry of Education and Research – Project manager: dr. Ionel Mangalagiu. (grant value: 43000 EUR)

#### International grants:

1. Project manager for Grant bilateral Romania – Moldova, grant nr. . 682/2013, Project title: Sinteză compușilor noi biologic activi cu unități structurale terpenice și heterociclice, Financed by Guvernul Moldovei și Guvernul României (ANCS, PN-II, Modul III), project managers: conf.dr. Gheorghita Zbancioc, Romania/ CP I.dr. Alexandru Ciocarlan, Academy of Science of Rep. Moldova. (Grant value: 29000 RON).
2. 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, Financed by

Guvernul Moldovei si Guvernul Rominiei (ANCS, PN-II, Modul III), project managers: prof.dr. Ionel Mangalagiu, Romania/ CP I.dr. Aculina Aracu, Academy of Science of Rep. Moldova. (Grant value 2010: 26270 RON).

3. Research team member: Grant FP7- People-2009-IRSES, Project title: Photocatalytic Clusters Complexes for Artificial Photosynthesis Applications, Financed by European Union- FP7 program IRSES, project managers: prof.dr. Ionel Mangalagiu, Romania/ prof. Dr. Andrew Benniston (coordinator), UK/ prof.dr. Constantin Turta, Moldova. (Grant value: 41280 EUR).
4. Research team member: Grant NATO- Collaborative Linkage Grant, Project title: Synthesis of Highly Fluorescent Materials Through Eco-friendly Methods., Financed by NATO PROGRAMME SECURITY THROUGH SCIENCE, project managers: prof.dr. Ionel Mangalagiu, Romania/ prof. Dr. Ulrich Groth, Germania. (Grant value: 5.000,00 EUR).