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## CURRICULUM VITAE

### Date bibliografice.

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Poziția și gradul didactic: Conferențiar universitar

Adresa: Conf. dr. Gheorghita Zbancioc, "Al. I. Cuza" University Iasi, Carol I Boulevard No. 11, Iasi – 700506, ROMANIA.

#### • Studii.

- 1985-1993: Școala primară și gimnaziul, Școala Generală „Nicolae Tonița”, Iași;

- 1993-1997: Liceului “Grup Școlar Energetic” din Iași, absolvit în anul 1997 ;

- 1997-2001: Următ cursurile Facultății de Chimie, Secția Chimie , Universitatea “Al. I. Cuza” Iași. Am absolvit facultatea în anul 2001, fiind licențiat în Chimie.

- 2001-2003: Următ cursurile Master (studii aprofundate) în cadrul Univ. “Al. I. Cuza” Iași, secția ”Enzimologie și Biotehnologie ”.

#### • Doctorat

- Din decembrie 2007 doctor în domeniul științe exacte specializarea chimie. Teza de doctorat cu titlul: "**STUDIUL UNOR 1,2 – DIAZINIU ILIDE SI DERIVATI PRIN METODE CONVENTIONALE SI NECONVENTIONALE (CU AJUTORUL MICROUNDELOR)**" a fost elaborată sub conducerea domnului Prof. dr. IONEL MANGALAGIU

#### • Grade si functii didactice

- **2012, Octombrie**, am ocupat prin concurs postul de *conferențiar* la Departamentul de Chimie, Facultatea de Chimie, Universitatea "Al.I.Cuza" Iași;

- **2009, Februarie**, am ocupat prin concurs postul de *lector* la Catedra de Chimie Organică, Facultatea de Chimie, Universitatea "Al.I.Cuza" Iași;

- **2007, Februarie**, am ocupat prin concurs postul de *asistent* la Catedra de Chimie Organică, Facultatea de Chimie, Universitatea "Al.I.Cuza" Iași;

- **2005, Februarie**, am ocupat prin concurs postul de *preparator* la la aceeași catedră;

- **2003, Octombrie**, am ocupat prin concurs postul de *preparator* la Catedra de Horticultură, Facultatea de Horticultură, Universitatea de Științe Agricole și Medicină Veterinară „Ion Ionescu de la Brad”;



- **Premii și distincții, specializări în străinătate, burse, etc.**

- In **noiembrie 2014** am castigat o bursa DAAD la Universitatea din Konstanz, Germany si am lucrat în grupul de cercetare al Dr. Thomas Huhn.

- În **martie 2006** am efectuat un 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.

-Mai 19-21, **2015** "**Medalie de aur**" cu brevetul: "Hybrid imidazole / pyridine (quinoline) derivatives with anticancer and antimycobacterial activity". Euroinvent 2016, Iasi, Romania;

-Decembrie 4-6, **2015** "**Medalie de argint**" cu brevetul: "11,12-Bis-p-tolyl-piridazonil-drim-5(6),8(9)-diene-7-one with antifungal and antibacterial properties". Kaohsiung International Invention and Design Expo 2015, Kaohsiung, Taiwan;

-Mai 14-16, **2015** "**Medalie de aur**" cu brevetul: "11,12-Bis-p-tolyl-piridazonil-drim-5(6),8(9)-diene-7-one with antifungal and antibacterial properties". Euroinvent 2015, Iasi, Romania;

- **Limbi străine cunoscute:**

Engleza : bine ;

Franceza : bine ;

Germana : începator.

- **Activitate stiintifica**

Cercetările întreprinse vizează deschiderea unor direcții noi de cercetare in chimia heterociclicurilor cu azot si a azot-ilidelor (cum sunt cel al reacțiilor sub actiunea microundelor si ultrasunetelor), sinteza de compuși ținta cu potențiale aplicații practice (medicamente, nanomateriale înalt fluorescente si semiconductori, cristale lichide si factori de creștere), cercetări in domeniul chimiei supramoleculare: sinteza unor oxazacoronanzi si oxacoronanzi cu proprietăți speciale. Reacțiile in faza solida si cele sub actiunea microundelor si ultrasunetelor se încadrează in categoria așa ziselor reacții „ecologic prietenoase”, un alt domeniu prioritar pe plan mondial. Relativ la aceste ultime aspecte , de poluare a mediului, se încadrează si preocupările noastre in domeniul chimiei toxicologice, fiind vizate in special aspectele de depoluare. În cadrul acestui domeniu am publicat si prezentat la diverse sesiuni științifice mai multe lucrări, după cum urmează:

- **50** lucrari stiintifice: din care **39** în reviste cotate ISI;
- peste **260** citări în lucrari științifice de prestigiu (fără autocitări), h-index - **11**;
- peste **120** conferințe naționale și internaționale;
- **3** cărți;
- **12** granturi dintre care **3** granturi câștigate prin competiție ca director (cu Ministerul Educației și Cercetarii) și alte **9** granturi ca membru (cu Ministerul Educației și Cercetarii)

20.06.2018

Semnatura,

Conf. dr. Gheorghita Zoancioc,





## LISTA LUCRĂRILOR PUBLICATE

### 1. Cărți: 3

- Costel Moldoveanu, **Gheorghită Zbancioc**, Roxana Tucaliuc, Ana-Maria Zbancioc, Ondina Boiță, Ionel Mangalagiu, **Bazele chimiei organice – Manual de laborator Vol. 1**, Editura Universității „Al. I. Cuza”- Iași, 2008. ISBN: 978-973-703-387-1.
- Dorina Iurea, **Gheorghită Zbancioc**, Geanina Mangalagiu, Ionel Mangalagiu, **Steroide: compusi naturali și analogi de sinteză. Vol. 2**, Editura Universității „Al. I. Cuza”- Iași, 2009. ISBN: 978-973-703-451-9.
- I.I. Mangalagiu; R. Danac; C. Moldoveanu; **Ghe. Zbancioc**. **Chimie și toxicologie judiciare. Separatologie judiciară** (217 pag), Ed. „AIT –SRL Laboratory”, 2011, București. ISBN: 978-606-8363-09-7x2

### 2. Brevete:

*1 patent* MD, Nr.4370/C1 2016.04.30 , Agentia de Stat pentru Proprietatea Intelectuala Chisinau, Rep. Moldova (Arîcu Aculina, (MD), Mangalagiu Ionel,(RO), Ciocârlan Alexandru, (MD) Lungu Lidia,(RO), Zbancioc Gheorghită, (RO), Vornicu Nicoleta,(RO) "11,12-Bis-p-tolyl-pyridazonyl-drim-5(6),8(9)-diene-7-one exhibiting antifungal and antibacterial properties"

### 3. Publicații:

- 1) Lupaescu, A.; Jureschi, M.; Ciobanu, C.I.; Ion, L.; **Zbancioc, G.**; Petre, B.A.; Drochioiu, G.: **FTIR and MS evidence for heavy metal binding to anti-amyloid NAP-like peptides**, *International Journal of Peptide Research and Therapeutics*, xx(x), xxx-xxx, 2018  
0,904/7=0.1291
- 2) Zaharia, M.; Drochioiu, G.; **Zbancioc, G.**; Gradinaru, R.: **Beyond dinitrophenol interaction with tryptophan-based compounds**, *Acta Chemica Iasi*, 24\_1, 43-49, 2016.
- 3) **Zbancioc, G.**; Moldoveanu, C.; Humelnicu, I.; Vasilache, V.; Mangalagiu, I.I.: **Pyridine / Quinoline Derivatives Bearing a Imidazole / Benzimidazole Moiety: a LC-MS Approach of Structure Determination**, *Rev. Chim. (Bucharest)*, 67(8), 1516-1519, 2016  
1,232/5=0.2464
- 4) Moldoveanu, C.; **Zbancioc, G.**; Mantu, D.; Maftei, D.; Mangalagiu, I.I.: **The cycloaddition of the benzimidazolium ylides with alkynes: new mechanistic insights**, *Plos One*, 11(5), e0156129, 2016. DOI:10.1371/journal.pone.0156129  
2,806/5=0.5612
- 5) Mantu, D.; Antoci, V.; Moldoveanu, C.; **Zbancioc, G.**; Mangalagiu, I.I.: **Hybrid imidazole (benzimidazole) / pyridine (quinoline) derivatives with anticancer and antimycobacterial activity**, *Journal Of Enzyme Inhibition And Medicinal Chemistry*, 31(S2), 96–103, 2016. DOI:10.1080/14756366.2016.1190711  
4,293/5=0.8586
- 6) Aricu, A.; Ciocarlan, A.; Lungu, L.; Barba, A.; Shova, S.; **Zbancioc, G.**; Mangalagiu, I.; D’Ambrosio, M.; Vornicu, N.: **Synthesis, antibacterial and antifungal activities of new drimane sesquiterpenoids with azaheterocyclic units**, *Medicinal Chemistry Research*, 25, 2316-2323, 2016. DOI:10.1007/s00044-016-1665-0  
1,277/7=0.1824
- 7) **Zbancioc, G.**; Moldoveanu, C.; Zbancioc, A.M.; Humelnicu, I.; Mangalagiu, I.: **New Insights Concerning Microwave Mechanism in Cycloaddition Reaction: Thermal Heating versus Specific Effects of Microwave**, *Rev. Roum. Chim.*, 61(4-5), 441-444, 2016. ISSN: 0035-3930.  
0.250/5=0.05

- 8) Zbancioc, A.M.; Tataringa, G.; Jitareanu, A.; Rotinberg, P.; Mihai, C.T.; **Zbancioc, G.**; Miron, A.; Luca, C.M.: **Structure and Cytotoxic Activity of Some Dihydroxyacetophenone Derivatives**, *Rev. Chim. (Bucharest)*, *66(10)*, 1603-1606, **2015**. (IF: 0,599)  
0,956/7=0.1366
- 9) **Zbancioc, G.**; Mangalagiu, I.; Moldoveanu, C.: **Ultrasound assisted synthesis of imidazolium salts: An efficient way to ionic liquids**, *Ultrasonics Sonochemistry*, *23(c)*, 376-384, **2015**. DOI: 10.1016/j.ultsonch.2014.10.028  
4,556/3=1.5187
- 10) **Zbancioc, Ghe**; Moldoveanu, C.; Zbancioc, A.M.; Mangalagiu, I.: **Microwave Assisted Synthesis of New Pyrrolopyridazine Derivatives with Acetophenone Skeleton. Part IV**, *Current Microwave Chemistry*, *1(1)*, 41-46, **2014**. DOI: 10.2174/2213335601666140210211520
- 11) 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*, *10(5)*, 476-483, **2014**. DOI: 10.2174/15734064113096660070  
1,363/7=0.1947
- 12) Zaharia, M.; Borhan, A.; Gherca, G.; Pui, A.; Gradinaru, R.; **Zbancioc, G.**; Drochioiu, G.: **Letter: Study on the mechanism of ferrite-associated dinitrophenol photodegradation**, *Eur J Mass Spectrom*, *20*, 193-197, **2014**. doi: 10.1255/ejms.1267  
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- 13) 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**, *Medicinal Chemistry Research*, *23*, 1559-1568, **2014**. DOI: 10.1007/s00044-013-0720-3  
1,402/10=0.1402
- 14) **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  
4,321/3=1.4403
- 15) 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.  
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- 16) 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**.  
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- 17) Maftai, 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  
2.775/4=0.6938
- 18) 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**. doi: 10.1055/s-0032-1318253  
2,463/9=0.2737
- 19) **Zbancioc, G.**; Drochioiu, G.; Mangalagiu, I.: **Nicotine and tobacco alkaloids: A GC-MS analysis. Part 2: The tobacco and smoking**, *International Journal of Criminal Investigation*, *2(4)*, 251-257, **2012**.

- 20) **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.
- 21) **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. 3,516/4=0.879
- 22) 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.
- 23) **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.
- 24) 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. 2.683/7=0.3833
- 25) Gradinaru, R.; Ionas, A.; Pui, A.; **Zbancioc, G.**; Drochioiu, G.: **Interaction of inorganic mercury with CoA-SH and acyl-CoAs**, *Biometals*, 24, 1115-1121, 2011. DOI: 10.1007/s10534-011-9472-z. 2.823/5=0.5646
- 26) 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. DOI 10.1002/psc.1359 1.799/5=0.3598
- 27) 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. doi:10.1016/j.ejmech.2010.08.029. 3.193/5=0.6386
- 28) 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, DOI: 10.2174/157018010792929504. 0,668/5=0.1336
- 29) **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. doi:10.1016/j.tet.2010.04.050. 3.011/5=0.6022
- 30) **Zbancioc, G.**; Mangalagiu, I; **Pyrrolopyridazine derivatives as blue organic luminophores: synthesis and properties. Part 2**, *Tetrahedron*, 66, 278-282, 2010. doi:10.1016/j.tet.2009.10.110. 3.011/2=1.5055
- 31) **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. DOI: 10.1080/00397910903219609 0.937/3=0.3123
- 32) **Zbancioc, G.**; Zbancioc, A.M.; Mantu, D.; Miron, A.; Tanase, C.; Mangalagiu, I.I.; **Ultrasounds assisted synthesis of highly functionalized acetophenone derivatives in heterogeneous catalysis**, *Rev. Roum. Chim.*, 55(11-12), 983-987, 2010. ISSN: 0035-3930. 0.311/6=0.0518
- 33) **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.

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- 37) 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.
- 38) 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.
- 39) 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.
- 40) **Zbancioc, G.**; Mangalagiu, I.: **Microwave-assisted synthesis of highly fluorescent pyrrolopyridazine derivatives**, *SynLett*, 2006, (05), 0804-0806. DOI: 10.1055/s-2006-932459  
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- 41) 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. doi: 10.2298/JSC0602103D  
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- 43) **Zbancioc, G.**; Caprosu, M.; Moldoveanu, C.; Mangalagiu, I.: **Microwave assisted synthesis for dimers via [3+3] dipolar cycloaddition**, *Arkivoc*, 2005, (x), 189-198.  
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- 44) 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.  
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- 45) **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.  
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- 46) 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.  
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#### 4. Conferințe

##### Participări la conferințe naționale și internaționale

- 1) Bejan, D.; **Zbancioc, G.**; Amăriucăi-Mantu, D.; Culică, M.; Mangalagiu, I.; Moldoveanu, C.: Anion metathesis used to obtain new ionic liquids with imidazole skeleton, Chemistry Conference IasiChem 2017, 26 – 28 October **2017**, Iasi, Romania (Poster presentation P16).
- 2) **Zbancioc, G.**; Moldoveanu, C.; Amăriucăi-Mantu, D.; Mangalagiu, I.: Synthesis benzofuran derivatives with anticipated anticancer activity, 4<sup>eme</sup> Colloque Franco-Romain de Chimie Medicinale, 5 – 7 Octobre **2017**, Iasi, Romania (Poster presentation P7).
- 3) Amăriucăi-Mantu, D.; Cucu, D.; Bratanovici, B.; Moldoveanu, C.; **Zbancioc, G.**; Mangalagiu, I.: New imidazole/benzimidazole derivatives and their biological interest, 4<sup>eme</sup> Colloque Franco-Romain de Chimie Medicinale, 5 – 7 Octobre **2017**, Iasi, Romania (Poster presentation P9).
- 4) Zbancioc, A.M.; Moldoveanu, C.; Vasilache, V.; Amăriucăi-Mantu, D.; Mangalagiu, I.; **Zbancioc, G.**: Cytotoxic activity of some dihydroxyacetophenone derivatives, 4<sup>eme</sup> Colloque Franco-Romain de Chimie Medicinale, 5 – 7 Octobre **2017**, Iasi, Romania (Poster presentation P20).
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## 5. Granturi de cercetare

- 3 grants as director and 9 grants as research team member

### National grant as director-2

1. Grant TE; cod UEFISCDI PN-III-P1-1.1-TE-2016-1205, period: 2018- 2020

Finance by UEFISCDI, Romanian Ministry of Education and Research

Project manager: **Conf. dr. Gheorghită ZBANCIOC**

Grant value: 450.000 RON

Project title: **New Polyfunctional Azasteroids Mimics: fluorescent and biologically active compounds**

**2. Grant TD, no. 27693/2005, cod CNCSIS 348, period: 2005-2006**

Financed by **CNCSIS, Romanian Ministry of Education and Research**

Project manager: **Prep. drd. Gheorghită ZBANCIOC**

Grant value: **a) anul 2005: 2950 €**

**b) anul 2006: 1780 €**

Project title: **Microwave assisted reaction in pyridazinium and phthalazinium ylides**

**International grant as director-1**

**1. Grant Bilateral România-Rep. Moldova, no. 682/2013, period: 2013-2014**

Finance by **UEFISCDI, Romanian Ministry of Education and Research**

Project managers: **Conf. dr. Gheorghită ZBANCIOC/CP I. dr. Alexandru Ciocârlan, Academy of Science of Rep. Moldova**

Grant value: **29.000 RON,**

Project title: **Sinteza compușilor noi biologic activi cu unități structurale terpenice și heterociclice**

**National grants as associate-6**

**1. Grant PN-II-Ideii, No. 268/5.10.2011, period: 2012-2014**

Finance by **UEFISCDI, Romanian Ministry of Education and Research**

Project manager: **prof.dr. Ionel MANGALAGIU**

Grant value: **1.500.000 RON**

Project title: **New polifunctional nitrogen derivatives (heterocycles, podants and macrocycles) as smart versatile building blocks for multiple tasks, Finantator: MEC-CNCSIS**

**2. Grant TE; cod UEFISCDI PN-II-RU-TE-2011-3-0010, period: 2011- 2014**

Finance by **UEFISCDI, Romanian Ministry of Education and Research**

Project manager: **Conf. dr. Costel MOLDOVEANU**

Grant value: **750.000 RON**

Project title: **New imidazole derivatives - from ionic liquids to N-heterocyclic carbenes - with potential practical applications**

**3. Grant PN II-Ideas, no. 88/2008, period: 2009-2011**

Finance by **CNCSIS, Romanian Ministry of Education and Research**

Project manager: **Prof. dr. Ionel MANGALAGIU**

Grant value: **1.500.000 RON**

Project title: **Chemosensors with Macrocylic Skeleton**

**4. Grant CEEEX-MATNANTECH, (Research of Excellency), no. 36/2005, period: 2005-2008**

Finance by **CNCSIS-MATNANTECH, Romanian Ministry of Education and Research**

Project manager: **Prof. dr. Ionel MANGALAGIU**

Grant value: **450.000,00 €**

Project title: **Macrocylic nanostructures of coronand type by conventional and unconventional methods (microwaves and ultrasounds).**

**5. Grant CEEEX-BIOTECH (Research of Excellency), grant no. 49/2005, period: 2005-2008**

Finance by **CNCSIS-BIOTECH, Romanian Ministry of Education and Research**

Project manager: **Prof. dr. Ionel MANGALAGIU**

Grant value: 450.000,00 €

Project title: **The obtain, and the physical-chemical and biochemical characterization of some glicozid-steroidic biopreparations with vegetal origins.**

**6. Grant type A**, period: 2006-2008

**Finance by CNCISIS, Romanian Ministry of Education and Research**

Project manager: **Prof. dr. Ionel MANGALAGIU**

Grant value: **a) year 2006 cod 1155, tema 16.** Value : 40.000,00 lei

**b) year 2007: cod 1155, tema 28 .** Value : 35.000,00 lei

**c) year 2008: cod 1155, tema 19.** Value : 20.000,00 lei

Project title: **The reactions under microwaves heating in heterocyclic systems.**

**7. Grant type A**, period: 2003-2005

**Finance by CNCISIS, Romanian Ministry of Education and Research**

Project manager: **Prof. dr. Ionel MANGALAGIU**

Grant value: **a) year 2003 cod 1322, tema 13.** Value : 59.000.000,00 lei

**b) year 2004 cod 1322, tema 20.** Value : 144.000.000,00 lei

**c) year 2005 cod 1322, tema 29.** Valoare : 180.000.000,00 lei

Project title: **The reactions under microwaves heating in heterocyclic systems.**

**International grants as associate – 3**

**1. Grant Bilateral România-Rep. Moldova, no. 31BM//15.09.2016**, period: 2016-2017

**Finance from: UEFISCDI, Romanian Ministry of Education and Research**

Director: **conf.dr. Costel Moldoveanu, Romania/ CP I.dr. hab. Aculina Aricu, Academy of Science of Rep. Moldova**

Grant value: 30.000 RON

Project title: **Directed synthesis and study of some chiral complexes containing terpene-heterocyclic ligands**

**2. Grant Bilateral România-Rep. Moldova, no. 418/02.06.2010**, period: 2010-2012

**Finance from: UEFISCDI, Romanian Ministry of Education and Research**

Director: **prof.dr. Ionel Mangalagiu, Romania/ CP I.dr. Aculina Aricu, Academy of Science of Rep. Moldova**

Grant value: 29.000 RON

Project title: **Biologically active compounds with terpenoid and azaheterocycle skeleton through conventional and nonconventional methods**

**3. Grant FP7- People-2009-IRSES, no. 246902/2009**, period: 2009-2011

**Finance from: European Union- FP7 program IRSES**

Director: **prof.dr. Ionel Mangalagiu, Romania/ prof. Dr. Andrew Benniston, UK/ prof.dr. Constantin Turta, Moldova**

Grant value: 200.000,00 Euro (30.000 Euro Romanian share)

Project title: **Photocatalytic Clusters Complexes for Artificial Photosynthesis Applications.**

**4. Grant NATO- Collaborative Linkage Grant, no. PDD(CP)-(CBP.EAP.CLG 982499)/20.11.2006**, period: 2006-2007

**Finance from: NATO PROGRAMME SECURITY THROUGH SCIENCE**

Director: **prof.dr. Ionel Mangalagiu, Romania/ prof. Dr. Ulrich Groth, Germania**

Grant value: 5.000,00 Euro

Project title: **Synthesis of Highly Fluorescent Materials Through Eco-friendly Methods.**

20.06.2018

Conf. dr. Gheorghita Zbancioc



