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Lista lucrarilor stiintifice publicate

Total lucrari: peste 100 (peste 75 ISI);

Total lucrari publicate la congrese si conferinte – peste 100 (in tara si in strainatate).

2012

Zbancioc, Ghe.; Florea, O.; Jones, P; **Mangalagiu, I.I.:** **An efficient and selective way to new highly functionalized coronands or spiro derivatives using ultrasonic irradiation**, *Ultrason. Sonochem.*, **19**, 399-403, **2012**. Publisher: Elsevier B.V., CODEN: ULSOER ISSN: 1350-4177. doi: 10.1016/j.ultsonch.2011.08.001 **3.199/4=0.80** **SR-2.164**

Bejan, V.; Mantu, D.; **Mangalagiu, I.I.:** **Ultrasound and microwave assisted synthesis of isoindolo-1,2-diazine: a comparative study**, *Ultrason. Sonochem.*, **19**, xxxxx, **2012**. Publisher: Elsevier B.V., CODEN: ULSOER ISSN: 1350-4177. doi: 10.1016/j.ultsonch.2012.02.012 **3.199/3=1.07** **SR-2.164**

Cuzan, O.; Shova, S.; Turta, C.; **Mangalagiu, I.I.:** **N,N0-(1,4-Phenylene)bis(4-chlorobutan amide)**, *Acta Cryst. E*, **E68**, o463, **2012**. doi:10.1107/S1600536812001341. ISSN 1600-5368 **0.413/4=0.10** **SR-0.119**

2011

Mangalagiu, I.I.: **Recent Achievements in the Chemistry of 1,2-Diazines**, *Curr. Org. Chem.*, **15(5)**, 730-752, **2011**. IDS Number: 742ZP. Bentham Science Publishers, ISSN: 1385-2728 www.bentham.org. **2.920** **SR-2.117**

Butnariu, R.; Cotea, V.; Moldoveanu, C.; Zbancioc, Ghe.; Deleanu, C.; Jones, P.; **Mangalagiu, I.I.:** **An efficient and selective way to hybrid trifluoromethyl-substituted γ -lactones or fused nitrogen derivatives via cascade reactions**, *Tetrahedron Lett.*, **52**, 6439-6442, **2011**. Publisher: PERGAMON-ELSEVIER SCIENCE LTD, ENGLAND, ISSN: 0040-4039, doi:10.1016/j.tetlet.2011.09.093 **2.66/7=0.40** **SR-1.156**

Drochioiu, G.; Deleanu, C.; Rusu, E.; **Mangalagiu, I.I.:** **Saccharin Reaction with Cyanide**, *Letters in Organic Chemistry*, **8**, 315-319, **2011**. IDS Number: 784VL Publisher: BENTHAM SCIENCE PUBL LTD, EXECUTIVE STE Y26, PO BOX 7917, SAIF ZONE, 1200 BR SHARJAH, U ARAB EMIRATES. ISSN: 1570-1786 **0.785/4 =0.196** **SR-0.411**

Bejan V.; **Mangalagiu I.I.:** **Benzof[quinoline: Synthesis and Structural Analysis**, *Rev. Chim. Bucharest*, **62**, 199-202, **2011**. CHIMINF DATA SA, ROMANIA. ISSN: 0034-7752. **0.619/2 =0.31** **SR-0.13**

Risca, I.M.; Ionas, A.; **Mangalagiu, I.I.:** **Unexpected effect of some dinitrophenyl derivatives on yeast fermentation**, *Roum. Biotechnol. Lett.*, **16**, 5996-5999, **2011**. Publisher: ARS DOCENDI, BUCHAREST, ROMANIA. ISSN: 1224-5984 **0.219/3 =0.07**

2010

Zbancioc, Ghe.; Huhn, T.; Groth, U.; Deleanu, C.; **Mangalagiu, I.I.**: **Pyrrrolodazine Derivatives as Blue Organic Luminophores: Synthesis and Properties. Part 3**, *Tetrahedron*, **66**, 4298-4306, **2010**. IDS Number: 608DL PERGAMON-ELSEVIER SCIENCE LTD, ENGLAND, ISSN: 0040-4020. doi:10.1016/j.tet.2010.04.050 **3.219/5=0.65** **SR-1,529**

Zbancioc, Ghe.; **Mangalagiu, I.I.**: **Pyrrlopyridazine Derivatives as Blue Organic Luminophores: Synthesis and Properties. Part 2**, *Tetrahedron*, **66**, 278-282, **2010**. IDS Number: 536TH PERGAMON-ELSEVIER SCIENCE LTD, ENGLAND, ISSN: 0040-4020, DOI: 10.1016/j.tet.2009.10.110 **3.219/2=1.61** **SR-1,529**

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**. IDS Number: 676KZ ELSEVIER FRANCE-EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER, FRANCE , ISSN: 0223-5234. DOI information: 10.1016/j.ejmech.2010.08.029 **3.193/5=0.65** **SR-1,731**

Zbancioc, A.M.; Zbancioc, Ghe; Tanase, C. Miron, A.; Ursu, C.; **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**. IDS Number: 686JN Bentham Science Publishers, ISSN: 1570-1808. **0.668/6=0.11** **SR-0,391**

Luca, M.C, Tura, V; **Mangalagiu I. I.**: **Considerations concerning design and mechanism of action of a new class of dual DNA intercalators**, *Med. Hyp.*, **75**, 627-629, **2010**. IDS Number: 715VO. Publisher: CHURCHILL LIVINGSTONE, JOURNAL PRODUCTION DEPT, ROBERT STEVENSON HOUSE, 1-3 BAXTERS PLACE, LEITH WALK, EDINBURGH EH1 3AF, MIDLOTHIAN, SCOTLAND. IDS ISSN: 0306-9877 doi:10.1016/j.mehy.2010.07.051 **1.393/3=0.46** **SR-0,480**

Tura, V.; **Mangalagiu, I. I.**: **New insights on the mechanism of Fe₃O₄ nanoparticles formation by electrospinning of FeCl₃/PVC solutions**, *Mater. Chem. Phys.*, **123**, 644-648, **2010**. IDS Number: 642AQ ELSEVIER SCIENCE LTD, ISSN: 0254-0684, doi:10.1016/j.matchemphys.2010.05.032 **2.353/2 =1.18** **SR-1,466**

Tura, V.; Hagi, B.; **Mangalagiu, I. I.**: **Silver/gelatin electrospun nanofibers with hair follicles stimulation effects**, *J. Biomed. Nanotechnology*, **6**, 192-197, **2010**. IDS Number: 631QD American Scientific Publishers (ASP), ISSN: 1550-7033. doi: 10.1166/JBN.2010.1108 **2.626/ 3 =0.875** **SR-0,720**

Zbancioc, Ghe; Zbancioc, A.M.; **Mangalagiu, I. I.**: **Environmentally Friendly Methods for Syntheses of New Aromatic Bisesters**, *Synthetic Commun.*, **40**, 2201-2208, **2010**. IDS Number: 621XI Copyright # Taylor & Francis Group, LLC. ISSN: 0039-7911 print=1532-2432 online; DOI: 10.1080/00397910903219609 **0.973/3 =0.325** **SR-0,431**

Zavastina, D.; Cretescu, I.; Bezdadea, B.; Bourceanu, M.; Dragan, M.; Lisa, G.; **Mangalagiu I.I.**; Vasic, V.; Savic, J.: **Preparation, characterization and applicability of cellulose acetate-polyurethane blend membrane in separation techniques**, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, **370**, 120-128, **2010**. IDS Number: 676JX ELSEVIER SCIENCE LTD, ISSN: 0927-7757. doi:10.1016/j.colsurfa.2010.08.058 **1.926/9 =0.214** **SR-0,891**

Zbancioc, Ghe; Zbancioc, A.M.; **Mangalagiu, I. I.**: **Microwave Assisted Reactions of Aromatic Bisesters in Liquid Phase**, *Rev. Roum. Chim.*, **55**, 117-122, **2010**. Publisher: Editura Academiei Romane, CODEN: RRCHAX ISSN: 0035-3930. **0.262/3 =0.09** **SR-0,15**

Fodor, E.; Maftai, C.; **Mangalagiu, I.I.**, Jones, P. Daniliuc, C.G.; Franz, H.; Neda, I.: **Convenient routes to trifluoromethyl-substituted pyridyl-isothiocyanates and isocyanates starting from 2,3-dichloro-5-trifluoromethyl pyridine**, *Rev. Roum. Chim.*, **55**, 559-564, **2010**. Publisher: Editura Academiei Romane, CODEN: RRCHAX ISSN: 0035-3930. 0.262/6=0.04 SR-0.15

Mihorianu, M.; **Mangalagiu, I.I.**, Jones, P. Daniliuc, C.G.; Franz, H.; Neda, I.: **Synthesis of novel imidazo[1,5-a]pyridine derivatives**, *Rev. Roum. Chim.*, **55**, 689-695, **2010**. Publisher: Editura Academiei Romane, CODEN: RRCHAX ISSN: 0035-3930. 0.262/6=0.04 SR-0.15

Zbancioc, Ghe; Zbancioc, A.M.; Mantu, D.; Miron, A.; Tanase, C.; **Mangalagiu, I.I.**: **Ultrasounds assisted synthesis of highly functionalized acetophenone**, *Rev. Roum. Chim.*, **55**, 983-987, **2010**. IDS Number: 776EB Publisher: Editura Academiei Romane, CODEN: RRCHAX ISSN: 0035-3930. AN 2010:987875 CAPLUS 0.262/6=0.04 SR-0.15

Maftai, C.; Fodor, E.; **Mangalagiu, I.I.**, Jones, P. Daniliuc, C.G.; Franz, H.; Neda, I.: **Synthesis of 3-tert-butyl-5-(4-vinylphenyl)-1,2,4-oxadiazole using two different pathways**, *Rev. Roum. Chim.*, **55**, 989-994, **2010**. Publisher: Editura Academiei Romane, CODEN: RRCHAX ISSN: 0035-3930. 0.262/7=0.04 SR-0.15

Risca, M.; Moldoveanu, C.; Astefanei, D.; **Mangalagiu, I. I.**: **Microwave assisted reactions of imidazole derivatives of potential practical applications**, *Rev. Chim. Bucharest*, **61**, 303-305, **2010**. CHIMINFORM DATA S A, ROMANIA. ISSN: 0034-7752. 0.55/4=0.13 SR-0.13

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Moldoveanu, C.; Jones, P.; **Mangalagiu, I.I.**: **Spyroheterocycles compounds: old stories new outcomes**, *Tetrahedron Lett.*, **50**, 7205-7208, **2009**. IDS Number: 523QO Publisher: PERGAMON-ELSEVIER SCIENCE LTD, ENGLAND, ISSN: 0040-4039, DOI: 10.1016/j.tetlet.2009.10.044 2.66/3=0.53 SR-1.08

Butnariu, R.; **Mangalagiu, I.I.**: **New Pyridazine Derivatives: Synthesis, Chemistry and Biological Activity**, *Bioorgan. Med. Chem.*, **17**, 2823-2829, **2009**. IDS Number: 425LE PERGAMON-ELSEVIER SCIENCE LTD, ENGLAND. ISSN: 0968-0896 DOI: 10.1016/j.bmc.2009.02.028 3.075/2=1.54 SR-1,801

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Mantu, D.; Moldoveanu, C.; Nicolescu, A.; Deleanu, C.; **Mangalagiu I. I.**: **A facile synthesis of pyridazine derivatives of anticipated biological activities under ultrasounds**, *Ultrason. Sonochem.*, **16**, 452-454, **2009**. IDS Number: 426WJ ELSEVIER SCIENCE BV, NETHERLANDS. ISSN: 1350-4177 DOI: 10.1016/j.ultsonch.2008.11.012 . 2.993/5=0.60 SR-2,16

Bejan V.; Moldoveanu, C.; **Mangalagiu I. I.**: **Ultrasounds assisted reactions of steroid analogous of anticipated biological activities**, *Ultrasonic Sonochemistry*, **16**, 312-315, **2009**.

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Balan, A.M.; Zbancioc, Ghe; Bentea, E.; Carja, I.; Ungureanu, M.; Tuchilus, C.; **Mangalagiu, I. I.: Synthesis and antimicrobial activity of new aromatic esters of potential interest in supramolecular chemistry**, *Rev. Chim. Bucharest*, **60(10)**, 1021-1024, 2009. CHIMINFORM DATA S A, ROMANIA. ISSN: 0034-7752 0.55/7 =0.07 SR-0,13

Simionescu, M.; Sacarescu, L.; Sacarescu, G.; Mantu, D.; **Mangalagiu, I.I.: Silicon based materials for biooptoelectronics**, *Roum. Biotechnol. Lett.*, **14**, 4395-4401, 2009. Publisher: ARS DOCENDI, BUCHAREST, ROMANIA. ISSN: 1224-5984 0.152/5 =0.03

Munteanu, N.; Iurea, D.; **Mangalagiu, I. I.**; Mustea, M.; Chintea, P.; Iurea, V.: **A furostanol glycoside used in grape vine growing**, *Cercetari Agronomice in Moldova, Seria Horticultura*, **52**, 181-186, 2009.

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Butnariu, R.; Risca, I.M. ; Caprosu, M.; Drochioiu, G.; **Mangalagiu, I.I.**: **Biological activity of some new pyridazine derivatives in wheat germination experiments**, *Roum. Biotechnol. Lett.*, **13**, 3837-3842, **2008**. Publisher: Ars Docendi, CODEN: RBLEFU ISSN: 1224-5984. Journal written in English. AN 2008:1152359 CAPLUS

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CODEN: MPLAAM ISSN: 0025-5289. Journal written in Romanian. AN 2007:575294
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Mangalagiu, I.I.; Florea, O.; Balan, A.M.: **New Oxa- and Oxaazacoronands**, *J.Phys: CS*, **61**, 482-483, **2007**. IDS Number: BVG12 Publisher: Institute of Physics Publishing, CODEN: JPCSDZ ISSN: 1742-6588. Journal; Online Computer File written in English. AN 2007:822633 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Balan A.M.; Florea O.; Zbancioc Ghe; **Mangalagiu I. I.**: **Microwave Assisted Reactions of Coronands Precursors: Synthesis, Structure and Properties**, *Eur. J. Drug Metab. Ph.*, **32**, 24, **2007**. Publisher: Medicine et Hygiene, Geneva, Switzerland. ISSN 0378-7966 <http://biomath.med.uth.gr> Proceedings of the 13-th Panhellenic Pharmaceutical Congress, Atena, Grecia, May 2007.

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Granturi internationale

1. Grant bilateral Romania – Moldova

Titlu Biologically active compounds with terpenoid and azaheterocycle skeleton through conventional and nonconventional methods

Finantator: Guvernul Moldovei si Guvernul Romaniei (ANCS, PN-II, Modul III)

Directori: prof.dr. Ionel Mangalagiu, Romania/ CP I.dr. Aculina Aracu, Academy of Science of Rep. Moldova

Durata: 2010-2012, grant nr. 418/02.06.2010

Valoare: Partea Romana: 41.376 lei

2. Grant FP7- People-2009-IRSES

Titlu: **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

Durata: 2010-2013, grant nr. 246902/2009

Valoare: Total: 194.400,00 Euro

3. Grant NATO- Collaborative Linkage Grant

Titlul: **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

Durata: 2006-2007 grant nr. PDD(CP)-(CBP.EAP.CLG 982499)/20.11.2006

Valoare : 5.000,00 Euro

4. Grant COST-Action MP0901

Titlul: **Designing novel materials for nanodevices - from Theory to Practice (NanoTP)**

Finantare: **European Union- FP7 program COST**

Funcție: membrii reprezentativi ai Romaniei in Comitetul de Management: prof.dr. Ionel Mangalagiu / dr Maria Zaharescu

Duration: 2010-2012, grant COST Action MP0901

Value: Total: 200.000,00 Euro.

Granturi nationale

1. Grant PN-II-Idei

Titlul: *Noi derivati polifunctionali cu azot (heterocicli, podanzi si macrocicli) ca si elemente cheie inteligente pentru utilizari multiple*

Nr. Contract: 268/2011

Finantator: **MEC- CNCSIS**

Funcția in cadrul grantului: director

Durata: 2012-2014

Valoare : 1.500.000,00 lei

1. Grant PN-II-Idei

Titlul: *Chemosenzori cu schelet macrociclic*

Nr. Contract: 88/2008

Finantator: **MEC- CNCSIS**

Funcția in cadrul grantului: director

Durata: 2009-2011

Anul 1: 2009. Valoare : 100.000,00 lei

Anul 2: 2010. Valoare : 150.000,00 lei

Anul 3: 2011. Valoare : 200.000,00 lei

2. Grant CEEEX

Titlul: *Nanostructuri macrociclice de tip coronand prin metode conventionale si neconventionale (microunde si ultrasunete)*

Nr. Contract: 36/2005

Finantator: MEC- MATNANTEC

Valoare: totala-11,5 miliarde ROL, subsemnatul- 8 miliarde

Functia in cadrul grantului: director

Durata: 2005-2008

3. Grant CEEEX

Titlul: *„Obtinerea, caracterizarea fizico- chimica si biologica a unor biopreparate glicozid-steroidice de origine vegetala”*

Nr. Contract: 49/2005

Finantator: MEC- BIOTECH

Valoare: totala-15 miliarde ROL, subsemnatul- 5 miliarde

Functia in cadrul grantului: director

Durata: 2005-2008

4. Grant CEEEX

Titlul: *Nanoconjugate ale ciclodextrinelor cu eliberare controlata de principii active anti HIV si antimicotice*

Nr. Contract: CERES- 06-D11-106/2006

Finantator: MEC- CERES- 06-D11-106

Valoare: totala-15 miliarde ROL, subsemnatul- 2 miliarde

Functia in cadrul grantului: director partener

Durata: 2006-2008

5. Grant de cercetare tip C

Titlul: *Cercetari in clasa cicloimoniu ilidelor prin metode conventionale si neconventionale cod CNCSIS 109/1999.*

Finantator: Guvernul Romaniei (30%)

Banca Mondiala (70%)

Valoare : 90.000,00 \$ (US)

Functia in cadrul grantului: director

Durata: 1999-2001

6-8. Grant A

Titlul: *Utilizarea microundelor si ultrasunetelor ca metode neconventionale in chimia organica*

Finantator: CNCSIS

Functia in cadrul grantului: director

Anul 1: 2006, cod 1155, tema 16. Valoare : 40.000,00 lei

Anul 2: 2007, cod 1155, tema 28 . Valoare : 35.000,00 lei

Anul 3: 2008, cod 1155, tema 19. Valoare : 20.000,00 lei

9-11. Grant A

Titlul: *Reactii sub actiunea microundelor in seria sistemelor heterociclice*

Finantator: CNCSIS

Functia in cadrul grantului: director

Anul 1: 2003, cod 1322, tema 13. Valoare : 59.000.000,00 lei

Anul 2: 2004, cod 1322, tema 20. Valoare : 144.000.000,00 lei

Anul 3: 2005, cod 1322, tema 29. Valoare : 180.000.000,00 lei

12. Grant A:

Titlul: *Studii in clasa diazinelor*

Finantator: **CNCSIS**

Funcția în cadrul grantului: director

Durata: 1998, grant nr. 15, tema 23

Valoare : 6.000.000,00 lei

Prof.dr.,

Ionel Mangalagiu