



Curriculum vitae Europass



Informații personale

Nume / Prenume **MANGALAGIU IONEL**
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Naționalitate(-tăți) Română
Data nașterii 06.07.1964
Sex M

Experiența profesională

Perioada 1990-1995; 1995-1997; 1997-2001; 2001-prezent
Activități și responsabilități principale Asistent; lector; conferentiar; profesor
Numele și adresa angajatorului Universitatea „Alexandru Ioan Cuza” din Iași (UAIC), strada Carol I nr.11, loc. Iași, cod poștal 700.506,
www.uaic.ro
Tipul activității sau sectorul de activitate Instituție de învățământ superior

Educație și formare

Perioada 1978-1982
Calificarea / diploma obținută Asistent medical de igiena
Disciplinele principale studiate / competențe profesionale dobândite Discipline cu profil medical (anatomie, fiziologie, medicina internă, pediatrie, etc) și generale / Oficiant medical
Numele și tipul instituției de învățământ / furnizorului de formare Liceul Sanitar Iasi
Nivelul în clasificarea națională sau internațională Nivel liceal
Perioada 1985-1990
Calificarea / diploma obținută Licentiat în Chimie, specializarea Chimie-Fizica
Disciplinele principale studiate / competențe profesionale dobândite Discipline de specialitate în chimie, fizica și psiho-pedagogie / profesor, cercetător
Numele și tipul instituției de învățământ / furnizorului de formare Institutul Politehnic „Ghe. Asachi” Iasi, Facultatea de Tehnologie Chimica
Nivelul în clasificarea națională sau internațională Studii universitare

Perioada 1990-1996

Calificarea / diploma obținută	Doctor in Chimie																							
Numele și tipul instituției de învățământ / furnizorului de formare	Universitatea „Al.I.Cuza” Iasi																							
Nivelul în clasificarea națională sau internațională	Studii postuniversitare																							
Aptitudini și competențe personale	<p>Stagii de cercetare la:</p> <ul style="list-style-type: none"> - Iulie- August 2008, Visiting Professor: Technische Universität Braunschweig si University of Konstanz, Institut fur Chemie, Germany; domeniul: ‘Chimie Supramoleculara’ si respectiv “Compusi fluorescenti prin metode neconventionale”; activitatea de cercetare s-a desfasurat in laboratoarele Prof. Wolf DuMont si respectiv Prof. Ulrich Groth; - Iulie- August 2007, Visiting Professor: Technische Universität Braunschweig si University of Konstanz, Institut fur Chemie, Germany; domeniul: ‘Chimie Supramoleculara’ si respectiv “Compusi fluorescenti prin metode neconventionale”; activitatea de cercetare s-a desfasurat in laboratoarele Prof. Mathias Tham si respectiv Prof. Ulrich Groth; - Iulie- August 2006, Visiting Professor: University of Konstanz, Institut fur Chemie, Germany ; domeniul: ‘Sinteza de polypeptide in faza solida’; activitatea de cercetare s-a desfasurat in laboratoarele Prof. Michael Przybylski; - Iunie - Septembrie 2003, DAAD –NATO Fellowship: Visiting Professor, Ludwig Maximilianus University Munchen, Institut fur Organische Chemie; domeniul: ‘ Prepararea de compusi organomagnezieni si aplicatiile lor in sinteza organica’; activitatea de cercetare s-a desfasurat in laboratoarele Prof. Paul Knochel ; - August- Septembrie 1998, NATO Fellowship: Studii Postdoctorale: NATO Advanced Study Institute in Management of Research&Development&Inovation in Chemistry, Budapest, Hungary; - Septembrie 1994- Mai 1995, bursă (concurs, finantator Consiliul Europei). Specializare în domeniul “Aplicații ale compușilor organo-metalici în chimia heterociclicilor” la Universitatea Oslo, Norvegia, sub îndrumarea prof. dr. Kjell Undheim; 																							
Limba maternă	Română																							
Limba(i) străină(e) cunoscută(e)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Înțelegere</th> <th colspan="2">Vorbire</th> <th>Scriere</th> </tr> <tr> <th>Ascultare</th> <th>Citire</th> <th>Participare la conversație</th> <th>Discurs oral</th> <th>Exprimare scrisă</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Engleza</td> <td style="text-align: center;">Foarte bine</td> <td style="text-align: center;">Foarte bine</td> <td style="text-align: center;">Foarte bine</td> <td style="text-align: center;">Foarte bine</td> </tr> <tr> <td style="text-align: center;">Franceza</td> <td style="text-align: center;">Bine</td> <td style="text-align: center;">Bine</td> <td style="text-align: center;">Bine</td> <td style="text-align: center;">slab</td> </tr> </tbody> </table>				Înțelegere		Vorbire		Scriere	Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă	Engleza	Foarte bine	Foarte bine	Foarte bine	Foarte bine	Franceza	Bine	Bine	Bine	slab
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	(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine																							
Competențe și abilități sociale	<ul style="list-style-type: none"> - experienta in lucrul in echipa multidisciplinara si multifunctionala; - coordonare de lucrari de doctorat (in calitate de conducator de doctorat), coordonare de lucrari de licenta si master, coordonare lucrari gradul I in invatamintul preuniversitar; 																							

Competențe și aptitudini profesionale,
organizatorice, manageriale

- Conducător de doctorat, Specialitatea – Chimie -Ordinul MEC 3573/19.04.2002;
- 8 teze de doctorat finalizate;
- director de grant: 1 grant FP7, 1 grant NATO, 1 grant bilateral, cca 20 granturi cu institutii din Romania (granturi tip A, CEEEX, PNII, PNI, Banca Mondiala);
- 2008- prezent: membru in Comisia 1,(Matematica si Siinte Exacte) a CNCSIS;
- 2006- prezent: membru C.N.A.T.D.C.U.;
- 2012-prezent : Decan, Facultatea de Chimie;
- 2005-2008: Director Executiv, Școală Docorală, Facultatea de Chimie;
- 2004-2008 : Sef catedră, Catedra de chimie organică și biochimie;
- 2000-2004, Ianuarie: prodecan, Facultatea de Chimie;
- 2002 - prezent : coordonator Erasmus - Socrates pentru relațiile cu Universitățile din Braunschweig (Technische Universität Braunschweig), Osnabruck (Universität Osnabruck), Konstanz (University of Konstanz, Institut für Chemie, Germany), Anger (Universite D'Angers, France) și Cagliari (Università degli Studi di Cagliari, Italy);
- din anul 2000: Expert INTAS al Uniunii Europene;
- din anul 2001: expert CNCSIS;
- din anul 2004 : expert PNCDI;
- din anul 2005 : expert CEEEX.
- din anul 2008: Expert FP7 al Uniunii Europene;

- referent la urmatoarele jurnale:

- European Journal of Medicinal Chemistry, Ed. Elsevier, UK;
- Current Organic Chemistry, Ed. Bentham Science, Olanda;
- Ultrasonics Sonochem, Ed. Elsevier, UK;
- Journal of Heterocyclic Chemistry, Ed. Wiley, New York, USA;
- Heteroatom, Ed. Wiley, New York, USA;
- Central European Journal of Chemistry, Ed. Springer, Germany;
- Letters in Drug Design and Discovery, Bentham Science Publishers, USA;
- Brazilian Journal of Chemistry, Brazilian Academy Ed., Brazilia;
- Arkivok, Arkat Gainesville, FL, USA;
- Molecules, Taylor&Francis, USA;
- Revue Roumaine de Chimie, Ed. Academiei, Bucuresti, Romania;
- Roum. Biotech. Lett., Ed. Universitatii Bucuresti, Romania;
- Revista de Chimie, Ed. Syscon, Bucuresti, Romania;
- Analele Stiintifice ale Universitatii "Al.I. Cuza" Iasi, Ed. Univ. Iasi, Iasi, Romania.

- din anul 2006: membru al "Societății Române de Biomateriale";
- din anul 2000: membru al "Societății Române de Chimie"; din 2007 membru ACS;
- din anul 2004: membru al "Forumului Inventatorilor Romani";
- intre anii 2002-2004: membru in "Comisia Nationala de Chimie pentru curriculum in

invatamintul preuniversitar";

- intre anii 1998-2003: membru in "Comisie Nationala de examinare si pregatire a Lotului

Olimpic Roman de Chimie".

- Domeniul de cercetare stiintifica este:

Chimia Heterociclorilor

cu urmatoarele subdomenii de expertiza:

1. Chimia si sanatatea: chimia heterociclorilor cu azot si chimie medicinala;
2. Chimia si nanostiintele: macrocicli cu azot si oxigen, chimie supramoleculara;
3. Chimia si mediul: reactii ecologic prietenoase sub actiunea microundelor si ultrasunetelor.

In cadrul acestor subdomenii sunt vizate urmatoarele aspecte:

1. Chimia si sanatatea: cercetarile intreprinse vizeaza deschiderea unor directii noi de cercetare in chimia heterociclorilor cu azot si a azot-ilidelor. Principalele rezultate asteptate pot fi rezumate astfel: sinteza de compusi tinta biologic activi [potentiale medicamente (antineoplazice, anti-HIV, antituberculoase, antimicrobiene) si factori de crestere in agricultura], noi nanomateriale si nanobiomateriale cu schelet heterociclic, oligo- si poli- peptide (inclusiv pentru tratarea maladiei Alzheimer), etc.;
2. Chimia si nanostiintele: in acest subdomeniu cercetarile noastre sunt orientate spre sinteza de azacriptanzi si coronanzi, domeniul nano-electronicii (noi semiconductori organici), noi materiale cu fluorescanta inalta, obtinerea de chemosenzori;
3. Chimia si mediul: sunt vizate reactiile sub actiunea microundelor si ultrasunetelor, care se incadreaza in categoria asa ziselor reactii „ecologic prietenoase”, care reduc poluarea mediului. Relativ la aceste ultime aspecte, de depoluare a mediului, se incadreaza si preocuparile noastre in domeniul chimiei chemosenzorilor.

Cuvinte cheie: heterocicli, diazine, ilide, coronanzi, azacriptanzi, microunde, ultrasunete, cicloadiții, anticancer, antituberculoase, antimicrobiene, factori de crestere, nanobiomateriale, materiale fluorescente, semiconductori, Europass, chimie ecologic prietenoasa".

Competențe și aptitudini tehnice

- 1 capitol de carte in strainatate si 11 cursuri si carti in tara;
- peste 200 lucrari stiintifice;
- peste 300 citari;
- Activitate editoriala:
 - membru in Editorial Board al revistei Analele Universitatii „Al.I.Cuza” Iasi, Seria Chimie;
- Experienta in proiecte postdoctorale:
 - am coordonat si coordonez activitatea de cercetare a mai multor doctoranzi si postdoctoranzi din tara si strainatate, care au efectuat (efectueaza) stagii de cercetare in grupul pe care il conduc in cadrul proiectelor FP7-IRSES si bilateral;

Competențe și aptitudini de utilizare a calculatorului

Excelent utilizator PC

Alte competențe și aptitudini

- Mai 10-12, 2012. "Grand Prize Euroinvent". Pentru activitatea deosebita in domeniul inventicii, Euroinvent 2012, Iasi, Romania;
- Decembrie 19, 2011. Medalia "Costin D. Nenitescu", pentru merite deosebite in chimie. Societatea Romana de Chimie;
- Noiembrie 22-25, 2011. "Diploma si Medalia de Argint". Grup inventii premiate: "Utilizarea glicozidelor steroidice la cultivarea culturilor agricole". Inoivent 2011, Chisinau, Moldova;
- Noiembrie 22-25, 2011. "Diploma si Medalia de Argint". Inventia premiata: "Procedeu pentru obtinerea unei nanodispersii uleioase injectabile avind capacitate regenerativa". Inoivent 2011, Chisinau, Moldova;
- Noiembrie 22-25, 2011. "Diploma si Medalia de Argint". Inventia premiata: "Procedeu de obtinere a unor nanodispersii uleioase de argint injectabile". Inoivent 2011, Chisinau, Moldova;
- Iunie 8-10, 2011. "Medalie de Aur". Pentru grup de inventii, Inventica 2011, Iasi, Romania;
- Mai 12-14, 2011. "Diploma de Excelenta", Universitatea Tehnica din Moldova, pentru "Research in the field of Azaheterocycles". Euroinvent 2011, Iasi, Romania;
- Mai 12-14, 2011. "Medalie de Aur". Pentru grup de inventii, Euroinvent 2011, Iasi, Romania;
- Mai 12-14, 2011. "Medalia de Aur". Inventia premiata: "Procedeu de obtinere a unor nanodispersii uleioase avind capacitate regenerativa". Euroinvent 2011, Iasi, Romania;
- Martie 22-25, 2011. "Diploma de Excelenta si Medalia de Argint". Inventia premiata: "Procedeu de obtinere a unor nanodispersii uleioase avind capacitate regenerativa". Proinvent 2011, Cluj-Napoca, Romania;
- Mai 07, 2010. "Premiu Special", Asociatia Inventatorilor din Croatia, Euroinvent 2010, Iasi, Romania;
- Mai 07-, 2010. "Diploma Speciala si Ordinul Stiintific Leonardo Da Vinci", Romanian Inventors Forum, Euroinvent 2010, Iasi, Romania;
- Mai 07-09, 2010. "Medalia de Aur". Inventia premiata: "Using steroidal glycoside purpureagitozid – 3-o-β-D-glucopyranosyl (1→2)-[o-β-D-xylopyranosyl (1 →3)]-o-β-D-glucopyranosyl(1→4)-o-β-D-galactopyranosyl-5α-furostan-2α, 3β, 22α, 26-tetraol-26-o-β-glucopyranosyd - in quality of compound with antitumoral activity". Euroinvent 2010, Iasi, Romania;
- Mai 07-09, 2010. "Medalia de Argint". Inventia premiata: "Biotstimulating procedure o grape vinne with Tomatosid". Euroinvent 2010, Iasi, Romania;
- Iunie 04-06, 2009. "Diploma de Excelenta si Medalia de Aur". Inventia premiata: "Steroidal Glycosides: Biological Active Compounds of Vegetal Origin". Inventica 2009, Iasi, Romania;
- Mai 07-09, 2009. "Diploma de Excelenta" pentru lucrarea: "Using steroidal glycoside purpureagitozid – 3-o-β-D-glucopyranosyl (1→2)-[o-β-D-xylopyranosyl (1 →3)]-o-β-D-glucopyranosyl(1→4)-o-β-D-galactopyranosyl-5α-furostan-2α, 3β, 22α, 26-tetraol-26-o-β-glucopyranosyd - in quality of compound with antitumoral activity". Euroinvent 2009, Iasi, Romania;
- Mai 07-09, 2009. "Medalia de Aur". Inventia premiata: "Steroidal compound with antitumoral activity". Euroinvent 2009, Iasi, Romania;
- Mai, 2008. "Diploma de Excelenta si Medalia de Argint" pentru cercetarile in domeniul: "Nanostructuri macrociclice de tip coronand prin metode conventionale si neconventionale (microunde si ultrasunete)". Inventica 2008, Iasi, Romania;
- Octombrie 26, 2006. Premiul Universitatii Al.I.Cuza Iasi pentru activitatea de cercetare in anul 2006;

Anexe Lista de publicatii stiintifice, granturi si contracte.

Prof. dr.,


Ionel MANGALAGIU

Professor dr. IONEL MANGALAGIU
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 Organic Chemistry Laboratory
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ROMANIA
 Tel. + (40) 232 201343
 Fax.+(40) 232 201313
 E-mail: ionelm@uaic.ro

LIST OF PUBLICATIONS

List with papers in press

2013

.....(ISI-....)

Kuchkova, K.; Aricu, A.; Barba, A.; Vlad, P.; Shova, S.; Secara, E.; Ungur, N.; Zbancioc, Ghe.; **Mangalagiu, I.I.**: An Efficient and Straightforward Method to New Homodrimane Sesquiterpenoids with Diazine Units, *Synlett*, **24**, 1-4, **2013**. (2013, 24, 000A-000D)Publisher: Georg Thieme Verlag, CODEN: SYNLES ISSN: 0936-5214. Journal written in English. DOI: 10.1055/s-0032-1318253

2012

7(ISI-3)

Bejan, V.; Mantu, D.; **Mangalagiu, I.I.**: Ultrasound and microwave assisted synthesis of isoindolo-1,2-diazine: a comparative study, *Ultrason. Sonochem.*, **19**, 999-1002, **2012**. Publisher: Elsevier B.V., CODEN: ULSOER ISSN: 1350-4177. doi: 10.1016/j.ultsonch.2012.02.012

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

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

Zbancioc, G.; Gradinaru, R.; Drochioiu, G.; **Mangalagiu, I.I.**: Nicotine and tobacco alkaloids: A GC-MS approach, *International Journal of Criminal Investigation*, *2(1)*, 3-10, **2012**.

Zbancioc, G.; Drochioiu, G.; **Mangalagiu, I.I.**: Nicotine and tobacco alkaloids: A GC-MS approach. Part 2: The tobacco and smoking, *International Journal of Criminal Investigation*, 2(4), 251-257, 2012.

Papers published „in extenso” in proceedings:

Moldoveanu, C.; Zbancioc, G.; Antoci, V.; **Mangalagiu, I.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. (pp. 257-260) ISBN: 978-615-5018-37-4.

Zbancioc, G.; Moldoveanu, C.; Mantu D.; **Mangalagiu, I.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. (pp. 483-487) ISBN: 978-615-5018-37-4.

2011

9(ISI-5)

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

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

Drochioiu, G.; Deleanu, C.; Rusu, E.; **Mangalagiu, I.I.** Saccharin Reaction with Cyanide, *Letters in Organic Chemistry*, **8**, 315-319, 2011.

Bejan V.; **Mangalagiu I.I.**: Benzo[f]quinoline: Synthesis and Structural Analysis, *Rev. Chim. Bucharest*, **62**, 199-202, 2011. CHIMINFORM DATA SA, ROMANIA. ISSN: 0034-7752.

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, CODEN: RBLEFU ISSN: 1224-5984.

Tucaliuc R., Cotea, V.V.; Drochioiu G., **Mangalagiu I.I.**, Synthesis and the effect of some pyridazine derivatives in germination and seedling growth of wheat, *Lucrări științifice, seria Horticultură, USAMV Iași*, 54(4), 109-114, 2011. ISSN-L=1454-7376, (Print)-ISSN 1454-7376, (Online)=ISSN 2069-8275

Drochioiu, G.; Sandu, I.; Olteanu, G.; **Mangalagiu, I.I.**: Ninhydrin-based forensic investigations I. Fingerprints. *International Journal of Criminal Investigation*, 1(1), 37-58, 2011.

Drochioiu, G.; Sandu, I.; Gradinaru, R.; Zbancioc, G.; **Mangalagiu, I.I.**: Ninhydrin-based forensic investigations II. Cyanide analytical toxicology, *International Journal of Criminal Investigation*, 1(4), 213-226, 2011.

Zbancioc, G.; Moldoveanu, C.; Gradinaru, R.; Drochioiu, G.; Olteanu, G.; **Mangalagiu, I.I.**: The metabolism of drugs / toxics in the body. Case study: BZP, *International Journal of Criminal Investigation*, 1(1), 17-24, 2011.

2010
17(ISI-15)

Zbancioc, Ghe.; Huhn, T.; Groth, U.; Deleanu, C.; **Mangalagiu, I.I.**: **Pyrrolodazine Derivatives as Blue Organic Luminophores: Synthesis and Properties. Part 3**, *Tetrahedron*, **66**, 4298-4306, **2010**. PERGAMON-ELSEVIER SCIENCE LTD, ENGLAND, ISSN: 0040-4020. CAN 153:177019 AN 2010:619062 CAPLUS. doi:10.1016/j.tet.2010.04.050

Zbancioc, Ghe.; **Mangalagiu, I.I.**: **Pyrrolopyridazine Derivatives as Blue Organic Luminophores: Synthesis and Properties. Part 2**, *Tetrahedron*, **66**, 278-282, **2010**. PERGAMON-ELSEVIER SCIENCE LTD, ENGLAND, ISSN: 0040-4020, CAN 152:194226 AN 2009:1528089 CAPLUS. DOI: 10.1016/j.tet.2009.10.110.

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**. ELSEVIER FRANCE-EDITIONS SCIENTIFIQUES MEDICALES ELSEVIER, FRANCE , ISSN: 0223-5234. DOI information: 10.1016/j.ejmech.2010.08.029

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**. Bentham Science Publishers, ISSN: 1570-1808. www.bentham.org

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**. ELSEVIER, ISSN: 0306-9877. doi:10.1016/j.mehy.2010.07.051

Tura, V.; Hagi, B.; **Mangalagiu, I.I.**: **Silver/gelatin electrospun nanofibers with hair follicles stimulation effects**, *J. Biomed. Nanotechnology*, **6**, 192-197, **2010**. American Scientific Publishers (ASP), ISSN: 1550-7033. AN 2010:987875 CAPLUS doi: 10.1166/JBN.2010.1108

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**.. ELSEVIER SCIENCE LTD, ISSN: 0254-0684, AN 2010:890117 CAPLUS, doi:10.1016/j.matchemphys.2010.05.032.

Zbancioc, Ghe; Zbancioc, A.M.; **Mangalagiu, I.I.**: **Environmentally Friendly Methods for Syntheses of New Aromatic Bisesters**, *Synthetic Commun.*, **40**, 2201-2208, **2010**. Copyright # Taylor & Francis Group, LLC. ISSN: 0039-7911 print=1532-2432 online. AN 2010:854821 CAPLUS. DOI: 10.1080/00397910903219609

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**. ELSEVIER SCIENCE LTD, ISSN: 0927-7757 doi:10.1016/j.colsurfa.2010.08.058

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. AN 2010:987875 CAPLUS

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.

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Technische Universität Braunschweig, Germany, June 27, 2008.

- 'Nanomaterials with Azaheterocycle Skeleton'
Universite D'Angers, France, July 10, 2008.

Patents

Number of patents:

1. Iurea, D. (RO); Chintea, P. (MD); **Mangalagiu, I.I.** (RO); Munteanu, N. (RO); Istrate, M. (RO); Cotenco, E. (MD); Iurea, R (RO). Biostimulation procedure of Pepper Crop (Procedeu de

- cultivare a plantelor de ardei gras). Patent MD, No. 342/19.11.2010, AGEPI Chisinau, Rep. Moldova.
Property Rights Owner: Institutul de Genetica si Fiziologia Plantelor al Academiei de Stiinte a Moldovei
2. Iurea, D. (RO); Chintea, P. (MD); **Mangalagiu, I.I.** (RO); Munteanu, N. (RO); Chirilov, E. (MD); Cotenco, E. (MD); Iurea, R. (RO). Treatment process of Apple Tree (Procedeu de tratare a marului). Patent MD, No. 383/19.11.2010, AGEPI Chisinau, Rep. Moldova.
3. Hagi, B.; Sandu, A.; Lupascu, T.; Chirazi, M.; **Mangalagiu, I.I.**; Sandu, I.; Ciobanu, M.; Vasilache, V. Poudrer with homeostatic and regenerative capacity (Pudra avind capacitate homeostatica si regenerativa). Patent MD, No. 4117/30.07.2010, AGEPI Chisinau, Rep. Moldova. Mold. Exam. Pat. Appl. (2011), MD 4117 B1 20110731
4. Iurea, D. (RO); Munteanu, N. (RO); **Mangalagiu, I.I.** (RO); Chintea, P. (MD); Cotenco, E. (MD); Sirmomeatnikov, I. (MD). Process for Extraroot Treatment of Tomato Crop (Procedeu de tratare extraradicalara a plantelor de tomate). Patent MD, No. 271/30.09.2010, AGEPI Chisinau, Rep. Moldova.
5. Iurea, D. (RO); **Mangalagiu, I.I.** (RO); Munteanu, N. (RO); Mustea, M. (RO); Chintea, P. (MD); Chirilov, A. (MD); Cotenco, E. (MD); Iurea, P. (RO); Iurea, R. Stimulation procedure of Grapes crop (Procedeu de cultivare a vitei de vie). Patent MD, No. 235/31.07.2010, AGEPI Chisinau, Rep. Moldova.
6. Hagi, B.; Sandu, I.; Lupascu, T.; Vasilache, V.; Tura, V.; **Mangalagiu, I.I.**; Sandu, A.; Gonciar, V. Procedure for obtaining of an injectable silver oil nanodispersion (Procedeu de obtinere a unor nanodispersii uleioase de argint injectabile). Patent MD, No. 4106/03.12.2010, AGEPI Chisinau, Rep. Moldova. Mold. Exam. Pat. Appl. (2011), MD 4106 B1 20110430
7. Iurea, D. (RO); **Mangalagiu, I.I.**(RO); Chintea, P. (MD); Cotenco, E. (MD); Iurea, V. (RO); Iurea, A. (RO); Iurea, R. (RO). Using of steroid glycoside 3-O- beta-D-glucopiranosil(1-2)-[O-beta-D-xilopiranosil (1-3)]- O- beta-D-glucopiranosil(1-4)-[O-beta-D-galactopiranosil-5alfa-furostan-2alfa, 3beta,22alfa,26- tetraol-26- O-beta-D- glucopiranosid- as antitumor compound (Utilizarea glicozidei glycoside 3-O- beta-.... ca si compus ca actiune antitumorală). Patent MD, No.11752/27.10.2008 , AGEPI Chisinau, Rep. Moldova.
8. Sandu, I.; Arhire, P.; Ticu, C.; **Mangalagiu, I.**; Bejan, D.; Munteanu, C.; Samoil, G.; Ciocârlie, I.; Pinte, A.: Putty for wood furniture. Romanian Patent no. 112287 B1/ **1997** CODEN: RUXXA3 RO 112287 B1 19970730 Patent written in Romanian. Application: RO 91-146899 19910211. Priority: . CAN 133:60200 AN 2000:472672 CAPLUS
9. Săhleanu, V.; Sandu, I.; Bejan, D.; **Mangalagiu, I.**; Leniuc, V.(1995): Production of manganese nitrate concentrates or crystal suspensions. Romanian Patent no. 3-212/ **1995** CODEN: RUXXA3 RO 109728 B1 19950530 Patent written in Romanian. Application: RO 91-146720 19910114. Priority: . CAN 132:323631 AN 2000:350352 CAPLUS
10. Sandu, I.; Cecal, Al.; Capra, A.S.; Cretu, C.; Pascu, M.; Angheluta, C.; Hultoana, I.; **Mangalagiu, I.**(1994): Multicomponent powder for surface alloying of parts during casting. Romanian Patent no. 108161 B1/ **1994** CODEN: RUXXA3 RO 108161 B1 19940228 Patent written in Romanian. Application: RO 90-145181 19900528. Priority: . CAN 132:268131 AN 2000:273723 CAPLUS
11. Verdes, N.; Sandu, I.; **Mangalagiu, I.**(1994): Disinfection of full or empty silos. Romanian Patent no. 7-1008/ **1994**. CODEN: RUXXA3 RO 108216 B1 19940331 Patent written in Romanian. Application: RO 91-146646 19910103. Priority: . CAN 132:318907 AN 2000:350310 CAPLUS
12. Sandu, I.; Dogaru, V.; Furnică, E.; **Mangalagiu, I.**; Agop, I.(19910: Pathway to get ceramic varistors. Romanian Patent no. 501/ **1991**. (Intreprinderea "Electroarges", Curtea de Arges, Rom.).

Books

International (in English language):

1. A. K. Haghi (Ed.), In: Electrospun Nanofibers and Nanotubes: Research Advances, Chapter 14- Electrospinning of gelatin/chitin composite nanofibers, by: V. Tura, F. Tofoleanu, **I. Mangalagiu**, Mindru, T.; Brinza, F.; Sulitanu, N.; Sandu, I.; Raileanu, D.; Ionescu, C., Nova Science Publishers, New York, US (Series: Nanotechnology Science and Technology) 2009, pp. 239-252. **ISBN:** 978-1-60741-834-4

Web: https://www.novapublishers.com/catalog/product_info.php?products_id=10299

National (in Romanian language):

1. G. Drochioiu, M. Murariu, **I. I. Mangalagiu**: "Plantele medicinale si metalele grele"(143 pag.), Ed. Tehnopress, 2011, Iasi. ISBN: 978-973-873-0
2. Dorina Iurea, Gheorghita Zbancioc, Geanina Mangalagiu, **I.I. Mangalagiu**: " Manual de laborator. Vol II: Steroide: compusi naturali si analogi de sinteza" (186 pag.), Ed. Universitatii "Al.I.Cuza" Iasi, 2008, Iasi. ISBN: 978-973-703-451-9
3. Costel Moldoveanu, Gheorghita Zbancioc, Roxana Tucaliuc, Ana-Maria Zbancioc, Ondina Boita, **I.I. Mangalagiu**: " Manual de laborator. Vol I: Bazele chimiei organice "(174 pag.), Ed. Universitatii "Al.I.Cuza" Iasi, 2008, Iasi. ISBN: 978-973-703-336-9
4. M. Caprosu, C. Moldoveanu, **I.I. Mangalagiu**: "Exercitii si probleme de chimie organica" (294 pag.), Ed. Universitatii "Al.I.Cuza" Iasi, 2005, Iasi. ISBN: 973-703-071-0
5. G. Drochioiu, **I. I. Mangalagiu**, I.Druta : "Biochimie generala"(276 pag.), Ed. Casa Editoriala Demiurg, 2002, Iasi. ISBN: 973-8076-12-6
6. G. Drochioiu, **I. I. Mangalagiu**, I.Druta "Elemente de teorie si practica toxicologica"(151 pag.), Ed. Casa Editoriala Demiurg, 2001, Iasi. ISBN: 973-8076-21-8
7. **I. I. Mangalagiu**: "Probleme de chimie organica" (146 pagini), Ed. Dosoitei, 2000, Iasi. ISBN: 973-9135-83-8
8. **I. I. Mangalagiu**: "Alcaloizi Morfinici si Analogi de sinteza" (170 pagini), Ed. Dosoitei, 2000, Iasi. ISBN: 973-9135-89-7
9. M. Petrovanu, M. Caprosu, **I. I. Mangalagiu**: "Istoria Chimiei in Romania pana in 1944" (128 pagini), Ed. Universitatii "Al.I.Cuza" Iasi, 1997. ISBN: 973-9149-99-5

Courses:

10. **I. I. Mangalagiu**: "*Relatii între Structura Substanțelor și Activitatea Lor Biologică*" (180 pagini), Editura Universității "Al.I.Cuza" Iași, Centrul de Multiplicare, 1997.

GRANTS

- 14 grants as director;

- **11 other Grants as collaborator (value aprox. 30.000 €)**

Identificaion data:

- **International grants as director- 3**

1. Grant FP7- People-2009-IRSES-No. 246902

Title: **Photocatalytic Clusters Complexes for Artificial Photosynthesis Applications**

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

Directors: prof.dr. Ionel Mangalagiu, Romania/ prof. Dr. Andrew Benniston, UK (coordinator)/
prof.dr. Constantin Turta, Moldova

Duration: 2010-2012, grant no. 246902/2009

Value: Total: 194.400,00 Euro

2. Bilateral Grant Romania-Moldova

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

Finance from: Romanian (ANCS, PN-II program, Modul III) and Moldavian Government

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

Duration: 2010-2012 grant nr. 418/02.06.2010

Value: 41.376 lei (10.000 Euro aprox)

3. Grant NATO- Collaborative Linkage Grant

Title: **Synthesis of Highly Fluorescent Materials Through Eco-friendly Methods**

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

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

Duration: 2006-2007 grant no. PDD(CP)-(CBP.EAP.CLG 982499)/20.11.2006

Value : 5.000,00 Euro

Romanian representative members in the Management Committee:

4. Grant COST-Action MP0901

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

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

Function: Romanian representative members in the Management Committee: prof.dr. Ionel Mangalagiu / dr Maria Zaharescu

Duration: 2010-2012, grant COST Action MP0901

Value: Total: 200.000,00 Euro.

- **National grants as director- 13**

1. Director: Prof. dr. IONEL MANGALAGIU

Type of grant: PN II-Ideas, grant PN-II-DE-PCE-2011-3-0038, No. 268/2011

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

Duration: 2012-2014

Title: **New polifunctional nitrogen derivatives (heterocycles, podants and macrocycles) as smart versatile building blocks for multiple tasks**

Value : **350.000,00 €**

1. Director: Prof. dr. IONEL MANGALAGIU

Type of grant: PN II-Ideas, grant. No. 88/2008

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

Duration: 2009-2011

Title: **Chemosensors with Macrocyclic Skeleton****1st year: 2009. Value : 25.000,00 €****2nd year: 2010. Value : 35.000,00 €****3rd year: 2011, Value : 45.000,00 €****2. Director: Prof. dr. IONEL MANGALAGIU**

Type of grant: CEEEX (Research of Excellency), grant no. 36/2005

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

Value: 450.000,00 €

Duration: 2005-2008

Title: **Macrocycles of Type Coronand Through Conventional and Nonconventional Methods (Microwave and Ultrasounds)****3. Director: Prof. dr. IONEL MANGALAGIU**

Type of grant: CEEEX (Research of Excellency), grant no. 49/2005

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

Value: 450.000,00 €

Duration: 2005-2008

Title: **Obtaining, Physical-Chemical and Biological Characterization of Some Steroid-Glicosid Biopreparations of Vegetal Origin****4. Vice-director: Prof. dr. IONEL MANGALAGIU**Type of grant: CEEEX (Research of Excellency), grant no. **06-D11-106/2006**Finance from: **CERES**, Romanian Ministry of Education and Research

Value: 450.000,00 €

Duration: 2006-2008

Title: **New Anti-HIV and Anti-fungus Nanocompounds Incorporated in Cyclodextrine****5-7. Director: Prof. dr. IONEL MANGALAGIU**

Type of grant: RESEARCH GRANT , Type A

Value: 10.000 €

Title: **Using Nonconventional Methods in Organic Chemistry: Microwave and Ultrasounds**Finance from: **CNCSIS**, Romanian Ministry of Education and Research

Duration: 2006-2008

1st year: 2006, cod 1155, theme 16. Value : 10.000,00 €**2nd year: 2007, cod 1155, theme 28. Value : 10.000,00 €****3rd year: 2008, cod 1155, theme 19. Value : 10.000,00 €****8-10. Director: Prof. dr. IONEL MANGALAGIU**

Type of grant: RESEARCH GRANT , Type A

Title: **Microwave Assisted Reactions in the Heterocycle Series**Finance from: **CNCSIS**, Romanian Ministry of Education and Research

Duration: 2003-2005

1st year: 2003, cod 1322, theme 13. Value : 2.000,00 €**2nd year: 2004, cod 1322, theme 20. Value : 3.000,00 €****3rd year: 2005, cod 1322, theme 29. Value : 5.000,00 €**

11. Director: Prof. dr. IONEL MANGALAGIU and Prof.dr.doc MAGDA PETROVANU

Type of grant: RESEARCH GRANT, Type C , cod CNCSIS 109.

Value: 90.000.00 \$ SUA

Title: **New Research in the Class of Cycloimmonium Ylides (Nitrogen Ylides). Syntheses, Structure, Reactivity and Practical Applications**

Duration: 1999-2002

Finance from: World Bank (70%) Romanian Government (30%)

12. Director: Prof. dr. IONEL MANGALAGIU

Type of grant: RESEARCH GRANT , Type A

Value: 3.000 \$ SUA

Title: **Research concerning obtaining, structure and reactivity of diazinium ylides**

Duration: 1998

Finance from: CNCSIS, Romanian Ministry of Education and Research, grant no. 15, theme 23

- **11 other Grants as collaborator (value aprox. 30.000 €).**

Citation in prestigious monographies: over 50

1. Groziak, Michael P. Six-membered ring systems: diazines and benzo derivatives. Progress in Heterocyclic Chemistry (1998), 10 251-274. CODEN: PRHCEP ISSN:0959-6380. CAN 130:139265 AN 1998:806474 CAPLUS

Citations-2

96T8852) Mangalagiu, I: Acta Chem Scand 1997, 51, 927

96T8853) Mangalagiu, I: Tetrahedron 1996, 52, 8853

2. Dennis, N. Addition reactions: cycloaddition. Organic Reaction Mechanisms (1999), Volume Date 1996, 333-376. CODEN: ORRMAM ISSN:0474-4772. CAN 132:107563 AN 1999:782633 CAPLUS

Citations-1

56) Mangalagiu, I: Tetrahedron 1996, 52, 8853

4. Brown, D. J. The pyridazines. Supplement I. Chemistry of Heterocyclic Compounds (Chichester, United Kingdom) (2000), 57 iii-xix, 1-687. CODEN: CHECAV ISSN:0069-3154. CAN 133:135282 AN 2000:336756 CAPLUS

Citations-4

1828) Mangalagiu, I: Acta Chem Scand 1995, 49, 778

1829) Mangalagiu, I: Acta Chem Scand 1997, 51, 927

1879) Mangalagiu, I: Tetrahedron 1996, 52, 8853

1956) Mangalagiu, I: Tetrahedron 1997, 53, 4411

5. Knipe, A. C. Carbanions and electrophilic aliphatic substitution. Organic Reaction Mechanisms (2001), 327-360. CODEN: ORRMAM ISSN:0474-4772. CAN 137:216503 AN 2002:450502 CAPLUS

Citations-1

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6. Undheim, Kjell. **Heteroaromatics via palladium-catalyzed cross-coupling**. Handbook of Organopalladium Chemistry for Organic Synthesis (2002), 1 409-492. CODEN: 69DBT6 CAN 138:271453 AN 2002:692891 CAPLUS

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- 121) **Mangalagiu, I.**; Acta Chem Scand 1996, 50, 914
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7. Groziak, Michael P. Six-membered ring systems: diazines and benzoderivatives. **Progress in Heterocyclic Chemistry (2003)**, 15 306-338. CODEN: PRHCEP ISSN:0959-6380. CAN 141:207083 AN 2003:914855 CAPLUS

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1. **Mangalagiu, Ionel I.**; Caprosu, Maria C.; Mangalagiu, Geanina C.; Zbancioc, Gheorghita N.; Petrovanu, Magda Ghe. ARKIVOC (Gainesville, FL, United States) (2002), (2), 73-79. CODEN: AGFUAR CAN 138:338077 AN 2002:715264 CAPLUS

8. Knipe, A. C. *Carbanions and electrophilic aliphatic substitution*. **Organic Reaction Mechanisms (2004)**, Volume Date 2000, 307-349. CODEN: ORRMAM ISSN:0474-4772. CAN 142:218761 AN 2005:50646 CAPLUS

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1. Dima, St.; **Mangalagiu, I.**; Caprosu, Maria; Humelnicu, I.; Roman, Mihaela; Petrovanu, Magda. Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie (1999), 7(1), 131-136. CODEN: ASUCFZ ISSN:1221-5341. CAN 132:180219 AN 2000:28742 CAPLUS

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Citations -2

1. Lu, Qingbo; **Mangalagiu, Ionel**; Benneche, Tore; Undheim, Kjell. Acta Chemica Scandinavica (1997), 51(3), 302-306. CODEN: ACHSE7 ISSN:0904-213X. CAN 126:264076 AN 1997:201830 CAPLUS
 2. Mangalagiu, Ionel; Benneche, Tore; Undheim, Kjell. Acta Chemica Scandinavica (1996), 50(10), 914-917. CODEN: ACHSE7 ISSN:0904-213X. CAN 126:47173 AN 1996:678162 CAPLUS

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1. **Mangalagiu, I.**; Benneche, T.; Undheim, K. *Tetrahedron Lett.*, 37(8), 1309-1312, 1996.

11. Dennis, N. *Addition reactions: cycloaddition*. **Organic Reaction Mechanisms (2004)**, Volume Date 1996, 333-376. CODEN: ORRMAM ISSN:0474-4772. CAN 132:107563 AN 1999:782633 CAPLUS

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1. Caprosu, M.; Roman, M.; **Mangalagiu, I.**; Petrovanu, M.; *An. Stiint. Univ. 'Al.I.Cuza' Iasi*, **7(s2c)**, 327-334, **1999**. CAN 133:222225 AN 2000:496022
 2. Caprosu, M.; **Mangalagiu, I.**; Olariu, I.; Petrovanu, M.; *An. Stiint. Univ. 'Al.I.Cuza' Iasi*, **7(s2c)**, 321-326, **1999**. CAN 133:207493 AN 2000:496021 CAPLUS

12. Knipe, A. C. *Carbanions and electrophilic aliphatic substitution*. **Organic Reaction Mechanisms (2005)**, Volume Date 2001, 291-328. Publisher: John Wiley & Sons Ltd.,

CODEN: ORRMAM ISSN: 0474-4772. Journal; General Review written in English. CAN 144:212247 AN 2005:810237 CAPLUS (Copyright (C) 2006 ACS on SciFinder (R))

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1. Mangalagiu, G.; **Mangalagiu, I.**; Olariu, R.; Petrovanu, M., *An. Stiint. Univ. 'Al.I.Cuza' Iasi*, **8(s1c)**, 151-154, **2000**. CAN 134:207459 AN 2000:904308 CAPLUS

13. Knipe, A. C. *Carbanions and electrophilic aliphatic substitution*. School of Biomedical Sciences, University of Ulster, Coleraine, UK. **Organic Reaction Mechanisms (2006)**, Volume Date 2002, 297-345. Publisher: John Wiley & Sons Ltd., CODEN: ORRMAM ISSN: 0474-4772. Journal; General Review written in English. CAN 148:33134 AN 2007:1400790 CAPLUS (Copyright (C) 2009 ACS on SciFinder (R))

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1. Dorohoi, D.; Cotlet, M.; **Mangalagiu, I.** *International Journal of Chemical Kinetics*, **34(11)**, 613-619, **2002**. Publisher: John Wiley & Sons, Inc., CODEN: IJCKBO ISSN: 0538-8066. Journal written in English. CAN 138:169812 AN 2002:813361 CAPLUS

14. Pelkey, E.T.; Russel, J.T. Chapter 5.2 Five-membered ring systems: pyrroles and benzo analogs **Progress in Heterocyclic Chemistry 19**, pp. 135-175 (**2008**)

Citations -1

384. Zbancioc, G.N., **Mangalagiu, I.I.** Microwave-assisted synthesis of highly fluorescent pyrrolopyridazine derivatives (2006) *Synlett*, (5), pp. 804-806

15. Milles, K. Chapter 6.2 Six-membered ring systems: diazines and benzo derivatives, **Progress in Heterocyclic Chemistry 19**, pp. 383-416, (**2008**)

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72. Zbancioc, G.N., **Mangalagiu, I.I.** Microwave-assisted synthesis of highly fluorescent pyrrolopyridazine derivatives(2006) *Synlett*, (5), pp. 804-806

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9. Moldoveanu, C.C., Mangalagiu, G.C., Zbancioc, G.N., Drochioiu, G., Caprosu, M.C., **Mangalagiu, I.I.** (2005) *Arkivoc*, p. 7.

122. Caprosu, M.D., Butnariu, R.M., **Mangalagiu, I.I.** Synthesis and antimicrobial activity of some new pyridazine derivatives(2005) *Heterocycles*, 65 (8), pp. 1871-1879

129. Moldoveanu, C.C., **Mangalagiu, I.I.** 4-Methyl- and 4-(halophenyl)pyrimidinium (4-halobenzoyl)methylides. Correlation of structure, stability, reactivity, and biological activity (2005) *Helvetica Chimica Acta*, 88 (10), pp. 2747-2756.

17. Dennis, N. University of Queensland, St. Lucia, Queensland, Australia. “**Organic Reaction Mechanisms**” (**2008**), 403-450. Publisher: John Wiley & Sons Ltd., CODEN: ORRMAM ISSN: 0474-4772. Journal; General Review written in English. CAN 149:104207 AN 2008:821652 CAPLUS (Copyright (C) 2009 ACS on SciFinder (R)).

Citations -1

Caprosu, M.; Zbancioc, Ghe.; Moldoveanu, C.; Mangalagiu, I.I.: **1,3-Dipolar Cycloaddition Reactions of p-Halogenophenyl-Phthalazinium Ylides to Activated Alkenes and Alkynes**, Collection of Czechoslovak Chemical Communications (2004), 69, 426-434.

18. Miller, M.M., DelMonte, A.J. Chapter 6.2 Six-membered ring systems: diazines and benzo derivatives, **Progress in Heterocyclic Chemistry 22**, pp. 393-425 (**2011**)

Citations -2

09BMC2823 R.M. Butnariu and I.I. Mangalagiu, *Biorg. Med. Chem.* 17 (2009), p. 2823. Article | PDF (264 K) | View Record in Scopus | Cited By in Scopus (6)
 09TL7205 C.C. Moldoveanu, P.G. Jones and I.I. Mangalagiu, *Tetrahedron Lett.* 50 (2009), p. 7205. Article | PDF (442 K) | View Record in Scopus | Cited By in Scopus (1)

19. Dong C., Sanjay K., Ackmez M. *Handbook on Applications of Ultrasound Sonochemistry for Sustainability*, CRC Press, Taylor & Francis Group, Boca Raton, 2012.
<http://www.taylorandfrancis.com>; <http://www.crcpress.com>

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Pag.241,242: Mantu, D., Moldoveanu, C., Nicolesu, A., Deleanu, C., and Mangalagiu, I.I. 2009. A facile synthesis of pyridazinone derivatives under ultrasonic irradiation. *Ultrasonics Sonochemistry*, 16: 425–454.
Pag.301,317: Moldoveanu, C.C., Jones, P.G., and Mangalagiu, I.I. 2009. Spiroheterocyclic compounds: Old stories with new outcomes. *Tetrahedron Letters*, 50: 7205–7208.
Pag.307,310: Balan, A.M., Florea, O., Moldoveanu, C., Zbancioc, G., Iurea, D., and Mangalagiu, I.I. 2009. Diazinium salts with dihydroxyacetophenone skeleton: Syntheses and antimicrobial activity. *European Journal of Medicinal Chemistry*, 44: 2275–2279.

Citations in scientific journals (without self citations of all authors): over 300

1993-1995

Lucrarea citata: Mangalagiu, I.; Druta, I.; Caprosu, M.; Petrovanu, M.: p-HALOGENO - PHENYLE- PYRIDAZINIUM- YLURES (I), *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie*, **1(s1c)**, 51-59, **1993**.

Citari in Lucrai Stiintifice. Total-1

1. Melnig, V.; Humelnicu, I.; Dorohoi, D. Thermal dimerization kinetics of 3-(p-bromophenyl)-pyridazinium benzoyl methylid in solutions, *International Journal of Chemical Kinetics* (2002) , 40 (5), pp. 230-239.

Lucrarea citata: Mangalagiu, I.; Caprosu, M.; Druta, I.; Petrovanu, M.: **3-p-Halogenophenyl-Pyridazinium ylures (III)**, *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie*, **2(s1c)**, 49-56, **1994**

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1. Dumitrascu, Florea; Dumitrascu, Dan G. Pyrrolo[1,2-b]pyridazines. *Arevisid* , *Arkivoc* (2008), 232-270.

Mangalagiu, I.: New disubstituted carbanion ylides from pyridazine, *Acta Chim. Scand.*, **49(10)**, 778-780, **1995**. Publisher: Munksgaard, CODEN: ACHSE7 ISSN: 0904-213X. DOI: 10.3891/acta.chem.scand.49-0778 Journal written in English. CAN 124:55886 AN 1995:834473 CAPLUS

1. Katritzky, A. Recent advances in the chemistry of pyridazines, *Advances in Heterocyclic Chemistry* (2000), vol 75, ACADEMIC PRESS, San Diego London Boston New York, Pages: 167-241.

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Cited paper: Mangalagiu, Ionel; Benneche, Tore; Undheim, Kjell. Ethenylation and alkynylation in palladium-catalyzed carbosubstitution in heteroazines. *Acta Chemica Scandinavica* (1996), 50(10), 914-917. CODEN: ACHSE7 ISSN:0904-213X. CAN 126:47173 AN 1996:678162 CAPLUS

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29 .SPECIFIC INTERACTIONS IN N-YLID SOLUTIONS, STUDIED BY NUCLEAR MAGNETIC RESONANCE AND ELECTRONIC ABSORPTION SPECTROSCOPY
Dana Ortansa DOROHOI*, Dan Gheorghe DIMITRIUMihaela DIMITRIU and Valentina CLOSCA
Journal of Molecular Structure (2013), doi: <http://dx.doi.org/10.1016/j.molstruc.2012.12.039>

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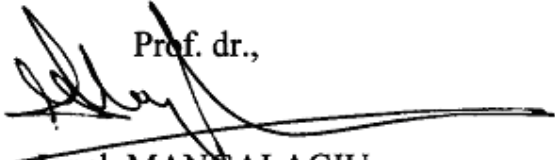
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