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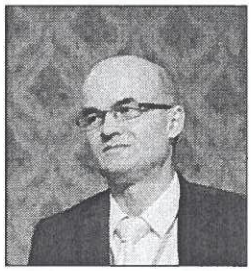
# Curriculum vitae Europass



## Informaţii personale


| | |
|---|---|
| Nume / Prenume | **MANGALAGIU IONEL** |
| Adresă(e) | |
| Telefon(oane) / Fax(uri) | 0232 201343 / 0232 201313 |
| E-mail(uri) | ionelm@uaic.ro |
| Naţionalitate(-tăţi) | |
| Data naşterii | |
| Sex | |


## Educaţie şi formare

| | |
|---|---|
| Perioada | 1985-1990 |
| Calificarea / diploma obţinută | Licentiat in Chimie, specializarea Chimie-Fizica |
| Disciplinele principale studiate / competenţe profesionale dobândite | Discipline de specialitate in chimie, fizica si psiho-pedagogie / profesor, cercetator |
| Numele şi tipul instituţiei de învăţământ | Institutul Politehnic „Ghe. Asachi" Iasi, Facultatea de Tehnologie Chimica |
| Nivelul în clasificarea naţională | Studii universitare |
| Perioada | 1990-1996 |
| Calificarea / diploma obţinută | Doctor in Chimie |
| Numele şi tipul instituţiei de învăţământ | Universitatea „Alexandru Ioan Cuza" din Iasi |

## Experienţa profesională

| | |
|---|---|
| Perioada | 1990-1995; 1995-1997; 1997-2001; 2001-prezent; 2002-prezent |
| Activităţi şi responsabilităţi principale | Asistent; Lector; Conferentiar; **Profesor; Conducator de doctorat** |
| Numele şi adresa angajatorului | Universitatea „Alexandru Ioan Cuza" din Iaşi (UAIC), Bd. Carol I nr.11, 700506-IASI, www.uaic.ro |
| Tipul activităţii sau sectorul de activitate | Instituţie de învăţământ superior |

**Management, functii detinute**:

- 2006-2012; 2016-2020: **membru C.N.A.T.D.C.U.-** *Comisia Chimie*;
- 2012-2016: **presedinte Comisia de contestatii C.N.A.T.D.C.U.-** *Comisia Chimie*;
- 2006- 2012, 2016-2020: **membru CNCS,** *Comisia 1: Matematica si Siinte Exacte*;
- **2022- prezent**: membru **CNFIS**;
- **2016-2022: Prorector cu activitatea de cercetare,** Universitatea " Alexandru Ioan Cuza" Iaşi;
- **2021, ianuarie-prezent: Director interimar CSUD UAIC ;**
- **2012-2016: Decan**, Facultatea de Chimie;
- **2005-2008: Director Executiv, Şcoală Docorală,** Facultatea de Chimie;
- **2004-2008 : Sef catedră**, Catedra de chimie organică şi biochimie;
- **2000-2004: Prodecan**, Facultatea de Chimie;
- membru în Consiliul Facultăţii de Chimie, 2000-2008, 2012 - 2020;
- membru în Senatul Universităţii " Alexandru Ioan Cuza" Iaşi, în perioada 2006-2008, 2012- 2020;
- membru în Consiliul de Administratie al Universităţii „ Alexandru Ioan Cuza", perioada 2012 - prezent;
- **2002 - prezent : coordonator Erasmus - Socrates** pentru relaţiile cu Universităţile Technische Universität Braunschweig, Universität Osnabruk, University of Konstanz, Universite D'Angers, Università degli Studi di Cagliari.

**Studii Postdoctorale**:

- **1998**, NATO Fellowship: ***NATO Advanced Study Institute in Management of Research&Developement&Inovation in Chemistry***, Budapest, Hungary.

**Stagii de cercetare in strainatate**:

- **Septembrie 1994- Mai 1995**, bursă cercetare (concurs, finantator Consiliul Europei). Specializare în domeniul "Aplicaţii ale compuşilor organo-metalici în chimia heterociclurilor" la Universitatea Oslo, Norvegia, sub îndrumarea prof. dr. Kjell Undheim.



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**Competenţe şi aptitudini profesionale, organizatorice, manageriale**

- Conducător de doctorat, Specialitatea – Chimie -Ordinul MEC 3573/19.04.2002;
- 4 capitole de carte in strainatate si 12 cursuri si carti in tara;
- 15 conferinte invitate la universitati de presitigiu din stainatate;
- peste 35 conferinte plenare invitate la manifestari stiintifice interne si externe;
- peste 200 lucrari stiintifice (peste 150 ISI);
- **Factor Hirsh:**
  - ISI Thomson: 30 (Suma citari: peste 2500)
  - Scopus: 31 (Suma citari: peste 3000)
  - Google: 34 (Suma citari: peste 3500);

- lucrari publicate la congrese si conferinte – peste 200 (in tara si in strainatate) ;
- 20 teze de doctorat finalizate sub conducerea subsemnatului;

**Centrului de cercetare tip C**

- Intemeierea **Centrului de cercetare tip C**, cu titlul: „Grupul de cercetare in domeniul cicloimoniu ilidelor si derivatilor prin metode conventionale si neconventionale"

Certificat CNCSIS nr. 20/CC-C din anul 2001.
Director: Prof.dr. doc. Magda Petrovanu / Prof. Dr. Ionel Mangalagiu;

**Granturi** cistigate prin competitie ca **director de proiect**

- **Granturi internationale ca director: 4**

--1 grant HORIZONT 2020- -IBA-SwafS-Support-2-2020, No101035803 — RI4C2;
-1 grant FP7- People-IRSES (2009-2011);
- 1 grant NATO (2006-2007, valoare 5000 Euro);
-1 grant bilateral Romania-Moldova.

➢ membru in Comitetul de Managgement la granturile FP7-COST-Action MP-0901 (2009-2012, valoare 200.000 Euro) si FP7-COST-Action MP-1307 (2014-2018, valoare 500.000 Euro);

- **Granturi nationale ca director: 14**

- 1 grant 554 PFE-CDI (2022);;
- 1 grant PN-III-PCE (2021);
- 2 granturi FDI (2018, 2019);
- 3 granturi PN-II-Idei (2009-2011, 2012-2016);
- 2 granturi tip CEEX (2005);
- 1 grant CEEX (2006) ca responsabil tema;
- 1 grant tip C (1999);
- 8 granturi tip A, în anii 1998, 2003-2005, 2004, 2005, 2006-2008;

➢ cca 20 granturi sau contracte naţionale, ca si colaborator.

**Expert evaluator pentru urmatoarele tipuri de programe:**

- din anul 2008: **Expert evaluator FP7 al Uniunii Europene proiecte chimie si chimie medicinala;**
- din anul 2000: **Expert evaluator INTAS al Uniunii Europene proiecte chimie si chimie medicinala**;
- din anul 2012**: expert evaluator** National Centre for Research and Development (NCRD)**, Poland**.
- din anul 2001**: expert evaluator CNCSIS proiecte chimie;**
- din anul 2004 : **expert evaluator PNCDI, CEEX proiecte chimie**.

**Elaborarea de reglementari, strategii, studii in domeniul CDI:**

- Strategia CDI al Universitatii " Alexandru Ioan Cuza" din Iaşi;
- Strategia CDI Facultatii de Chimie, Universitatea " Alexandru Ioan Cuza" din Iaşi;
- Regulamentul CDI al Universitatii " Alexandru Ioan Cuza" din Iaşi;

**Visiting Professor** la universitati de prestigiu din strainatate:

- ***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 ;
- ***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;
- ***Iulie- August 2007***, Visiting Professor: ***Technische Universität Braunschweig si University of Konstanz***, Institut fur Chemie, Germany; domeniul: 'Chimie Supramoleculara' si respectv "Compusi fluorescenti prin metode neconventionale"; activitatea de cercetare s-a desfasurat in laboratoarele Prof. Mathias Tham si respectiv Prof. Ulrich Groth;
- ***Iulie- August 2008***, Visiting Professor: ***Technische Universität Braunschweig si University of Konstanz***, Institut fur Chemie, Germany; domeniul: 'Chimie Supramoleculara' si respectv "Compusi fluorescenti prin metode neconventionale"; activitatea de cercetare s-a desfasurat in laboratoarele Prof. Wolf DuMont si respectiv Prof. Ulrich Groth;


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**Membru in colectivul redactional** al urmatoarelor reviste :

- Current Medicinal Chemistry, Bentham Sicence, UK;
- Molecules (Organic Chemistry Section), MDPI, Switzerland;
- Mini-Reviews in Organic Chemistry, Ed. Bentham Sicence, UK;
- Current Microwave Chemistry, Ed. Bentham Sicence, UK;
- Analele Stiintifice ale Universitatii "Al.I Cuza" Iasi, Ed. Univ. "Al.I.Cuza" Iasi, Romania;
- The Bulletin of the Polytechnic Institute from Iasi, Chemistry and Chemical Engineering Section, Ed. Univ. Tehn. "Ghe. Asachi" Iasi, Iasi, Romania;
- New Frontiers in Chemistry, Ed. Univ. de Vest Timisoara, Timisoara, Romania;
- Journal of the European Society of Mathematical Chemistry, European Society of Mathematical Chemistry, http://chem.ubbcluj.ro/jesmc/;
- Internatiol Journal of Criminal Investigation, Ed. IT Code (on line: www.icji.eu), Romania.

**Referent stiintific** pentru urmatoarele reviste:

- European Journal of Medicinal Chemistry, Ed. Elsevier, UK;
- Ultrasonics Sonochem, Ed. Elsevier, UK;
- Comptes Rendus Chimie, Ed. Elsevier, UK;
- Bioorganic & Medicinal Chemistry, Ed. Elsevier, UK;
- Bioorganic & Medicinal Chemistry Letters, Ed. Elsevier, UK;
- Tuberculosis, Elsevier, Netherlands;
- Arabian Jornal of Chemsitry, Elsevier, Netherlands;
- Inorganica Chimica Acta, Elsevier, Netherlands;
- Future Medicinal Chemistry, Future Sci, UK;
- Monatshefte für Chemie, Ed. Springer, Germany;
- Medicinal Chemistry Research, Ed. Springer, Germany;
- Research on Chemical Intermediates, Springer, Germany;
- Central European Journal of Chemistry, Ed. Springer, Germany;
- ChemMedChem, RSC, UK;
- Current Organic Chemistry, Ed. Bentham Sicence, UK;
- Current Microwave Chemistry, Ed. Bentham Sicence, UK;
- Letters in Drug Design and Discovery, Bentham Science, UK;
- Journal of Heterocyclic Chemistry, Ed. Wiley, New York, USA;
- Journal of Physical Chemistry, ACS, USA;
- Heteroatom, Ed. Wiley, New York, USA;
- Plos One, USA;
- Arkivok, Arkat Gainesville, FL, USA;
- Polycyclic Aromatic Compounds, Taylor&Francis, US
- Revue Roumaine de Chimie, Ed. Academiei, Bucuresti, Romania;
- Roum. Biotech. Lett., Ed. Universitatii Bucuresti, Romania;
- Analele Stiintifice ale Universitatii "Al.I Cuza" Iasi, Ed. Univ. Iasi, Iasi, Romania.
- New Frontiers in Chemistry, Ed. Univ. de Vest Timisoara, Timisoara, Romania;
- Studia UBB Cluj, Cluj, Romania.

**Apartenenta la organizatii stiintifice internationale si nationale**

- membru al International Society of Heterocyclic Chemistry;
- membru al Romanian Chemical Society (ID: 1064);
- membru al Romanian Society of Biomaterials (ID: 3064 MS);
- membru al American Chemical Society (ACS ID- 2405478);
- membru al American Nano Society;
- membru al Royal Society of Chemistry (ID- 712835).

• Domeniul de cercetare stiintifica este: **C h i m i a H e t e r o c i c l u r i l o r** cu urmatoarele subdomenii de expertiza:

1. Chimia si sanatatea: chimia heterociclurilor cu azot si chimie medicinala; 2. Chimia si nanostiintele: macrocicluri cu azot si oxigen, chimie supramoleculara; 3. Chimia si mediul: reactii ecologic prietenoase sub actiunea microundelor si ultrasunetelor. In cadrul acestor subdomenii sunt vizate:

***1. Chimia si sanatatea***: cercetarile intreprinse vizeaza deschiderea unor directii noi de cercetare in chimia heterociclurilor 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 nanostintele***: in acest subdomeniu cercetarile noastre sunt orientate spre sinteza de azacriptanzi si coronanzi, domeniul nano-electronicii (noi semiconductori organici), noi materiale cu fluorescenta 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 dezvoltare a mediului se intrevaseste preocuparile noastre in domeniul chimiei chemosenzorilor.

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


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**Premii si medalii (selective)**

- **Octombrie 26, 2023. Premiul Universitatii Al.I.Cuza Iasi** pentru "Rezultate deosebite in activitatea de cercetare";
- **Octombrie 14, 2023. Premiul "Ioan Tanasescu"**, pentru Excelenta in Chimie Organica. **Societatea Americana de Chimie** (ACS) in asociatie cu Romanian International Chapter
- **Octombrie 26, 2021**. Premiul Universitatii Al.I.Cuza Iasi pentru "Rezultate deosebite in activitatea de cercetare";
- **Decembrie 19, 2011. Medalia "Costin D. Nenitescu"**, pentru merite deosebite in chimie. **Societatea Romana de Chimie**;
- **Mai 12-14, 2011. " Diploma de Excelenta", Universitatea Tehnica din Moldova**, pentru "Research in the field of Azaheterocycles". **Euroinvent 2011**, Iasi, Romania;
- **Mai 07, 2010. "Premiu Special", Asociatia Inventatorilor din Croatia, Euroinvent 2010**, Iasi, Romania;
- **Octombrie 26, 2006**. Premiul Universitatii Al.I.Cuza Iasi pentru **"Rezultate deosebite in activitatea de cercetare";**

**-- Mai 16-18, 2015. "Medalie de aur".** Inventia premiata: "11,12-Bis-p-tolyl-piridazonil-drim-5(6),8(9)-diene-7-one with antifungal and antibacterial properties.", **Euroinvent 2015**, Iasi, Romania;
**- Noiembrie 8-10, 2012. "Medalie de aur".** Inventia premiata: " Procedeu de obtinere a unor nanodispersii uleioase de argint injectabile", **37-th International Invention Show**, Sibenik,Croatia;
**- Septembrie 27-29, 2012. "Medalie de aur".** Inventia premiata: " Procedeu de obtinere a unor nanodispersii uleioase de argint injectabile", **VII International Salon of Invention and Technologies "New Time"**, Sevastopol, Ukraine;
**- Iunie 8-10, 2011. "Medalie de Aur"**. Pentru grup de inventii, **Inventica 2011,** Iasi, Romania;
**- Mai 07-09, 2010. "Medalia de Aur".** Inventia premiata: "Using steroidal glycoside purpureagitozid – 3-o-β-D-...., in quality of compound with antitumoral activity". **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;

**Organizare de conferinte, simpozioane, saloane:**

- 4-th European Chemistry Congress, 11-13 Mai, 2017, Barcelona, Spain
- International Conference on Criminal Investigation, 23-24 Mai 2013, Bucuresti, Romania;
- Zilele Universitatii "Al.I Cuza" Iasi 2012, 25 - 26 octombrie 2012, Iasi, Romania;
- Zilele Universitatii "Al.I Cuza" Iasi 2013, 25 - 26 octombrie 2012, Iasi, Romania;
- Euroinvent 2011, 12-14 Mai 2011, Iasi, Romania;
- Euroinvent 2010, 07-09 Mai 2010, Iasi, Romania;

**Limba maternă**

**Română**

**Limba(i) străină(e) cunoscută(e)**

| | Înţelegere | | Vorbire | | Scriere |
|---|---|---|---|---|---|
| | Ascultare | Citire | Participare la conversaţie | Discurs oral | Exprimare scrisă |
| **Engleza** | Foarte bine | Foarte bine | Foarte bine | Foarte bine | Foarte bine |
| **Franceza** | Bine | Bine | Bine | Bine | slab |

*(*) Nivelul Cadrului European Comun de Referinţă Pentru Limbi Străine*


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Competenţe şi abilităţi sociale

- experienta in lucrul in echipa multidisciplinara si multifunctionala;
- coordonare de lucrari de lucrari de doctorat (in calitate de conducator de doctorat), coordonare de lucrari de licenta si master, coordonare lucrari gradul I in invatamintul preuniversitar.

**Anexe** **Lista de publicatii stiintifice, granturi si contracte, brevete, carti, conferinte plenare invitate.**


Pentru mai multe informaţii despre Europass accesaţi pagina: http://europass.cedefop.europa.eu
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11 Carol I Bd., 700506 Iasi
**ROMANIA**
Tel. + (40) 232 201343 Fax.+(40) 232 201313 E-mail: ionelm@uaic.ro

# LIST OF PUBLICATIONS

**ISI WEB OF SCIENCE: colour Articles LEGEND:**
No. – Q1 (0-25%); No. – Q2 (26-50%); No – Q3, Q4 (51-100%).

## 2024

225. Lungu, C. N.; Mangalagiu, I.; Gurau, G.; Hîncu, M. C. Variations of VEGFR2 Chemical Space: Stimulator and Inhibitory Peptides. *International Journal of Molecular Sciences ( Int. J. Mol. Sci.)* **2024**, *25(14)*, 7787. Publisher: Molecular Diversity Preservation International, ISSN: 1422-0067
DOI: 10.3390/ijms25147787

224. Zbancioc, G.; **Mangalagiu, I.I.***; Moldoveanu, C. The Effective Synthesis of New Benzoquinoline Derivatives as Small Molecules with Anticancer Activity. *Pharmaceuticals* **2024**, *17*, 52. MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND ISSN: eISSN: 1424-8247.
https://doi.org/ 10.3390/ph17010052
WOS:001152747900001

223. Mangalagiu,V.; Danac, R.; Diaconu, D.; Zbancioc, G.; **Mangalagiu, I.I.*** Hybrids diazine: Recent Advancements in Modern Antimicrobial Therapy. *Current Medicinal Chemistry (Curr. Med. Chem.)* **2024**, *31(19)*, 2687-2705. Bentham Science Publishers, ISSN (Print): 0929-8673; ISSN (Online): 1875-533X
DOI: 10.2174/0929867330666230418104409

222. Balaes, T.; Marandis, C.G.; Mangalagiu, V.; Glod, M.; **Mangalagiu, I.I.*** New insides into chimeric and hybrid azines derivatives with antifungal activity. *Future Medicinal Chemistry (Future Med. Chem.)* **2024**, *16(11)*, 1163–1180. https://doi.org/10.1080/17568919.2024.2351288

221. Sardaru, M.C.; Al Matarneh, C.M.; Simionescu, N.; ***Mangalagiu, I.I.;*** Pinteala, M.; Danac, R. New Monoquarternary Salts of N-Heterocycles: Synthesis and Antitumor Assessment. *Revue Roumaine Chimie (Rev. Roum. Chim.)* **2024**, 69(1–2), 63–74. Publisher: Editura Academiei Romane, CODEN: RRCHAX ISSN: 0035-3930.
DOI: 10.33224/rrch.2024.69.1-2.08

**Papers published in proceedings:**

## 2023

220. Oniciuc, L.; Amăriucăi-Mantu, D.; Diaconu, D.; Mangalagiu, V.; Danac, R.; Antoci, V.; **Mangalagiu, I.I.*** Benzoquinoline Derivatives: An Attractive Approach to Newly Small Molecules with Anticancer Activity, *International Journal of Molecular Sciences ( Int. J. Mol. Sci.)* **2023**, *24*, 8124. Publisher: Molecular Diversity Preservation International, ISSN: 1422-0067
https://doi.org/10.3390/ijms24098124
WOS:000988240300001

219. Toader, G.; Diacon, A.; Rusen, E.; **Mangalagiu, I.I.***; Alexandru, M.; Zorila, F.L.; Mocanu, A.; Boldeiu, A.; Gavrila, A.M.; Trica, B.; Pulpea, D.; Necolau, M.I.; Istrate, M. Peelable Alginate Films Reinforced by Carbon Nanofibers Decorated with Antimicrobial Nanoparticles for Immediate Biological Decontamination of Surfaces. *Nanomaterials* **2023**, *13*, 2775. MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND. ISSN 2079-4991.
https://doi.org/10.3390/nano13202775

218. Rusu, O.R.; ***Mangalagiu, I.I.;*** Mantu-Amăriucăi, D.; Teliban, G.-C.; Cojocaru, A.; Burducea, M.; Mihalache, G.; Rosca, M.: Caruso, G.; Skara, A.; Stoleru, V. Interaction Effects of Cultivars and Nutrition on Quality and Yield of Tomato, *Horticulturae* **2023**, *9(5)*, 541. Publisher: Molecular Diversity Preservation International, ISSN: 2311-7524
https://doi.org/10.3390/horticulturae9050541

217. Stoleru V, ***Mangalagiu, I.I***; Amăriucăi-Mantu D, Teliban G-C, Cojocaru A, Rusu O-R, Burducea M, Mihalache G, Rosca M, Caruso G, Sekara A; Jităreanu, G. Enhancing the nutritional value of sweet pepper through sustainable fertilization management. *Frontiers in Nutrition (Front. Nutr.)* **2023,** *10*, 1264999. Publisher: Frontiers Media SA, Avenue du Tribunal-Fédéral 34,1005 Lausanne, Switzerland. ISSN 2296-861X (Electronic)
doi: 10.3389/fnut.2023.1264999

216. Diaconu, D.; Mangalagiu, V.; Dunca, S.; Amăriucăi-Mantu, D.; Antoci, V.; Roman, T.; **Mangalagiu, I.I.***. Ultrasound assisted synthesis of hybrid quinoline anchored with 4-R-benzenesulfonamide moiety with potential antimicrobial activity. *Heliyon* 2023, *9*, e21518. Publisher: Cell Press, ISSN: 2405-8440.
https://doi.org/10.1016/j.heliyon.2023.e21518

215. Amărandi, R.-M.; Al-Matarneh, M.-C.; Popovici, L.; Ciobanu, C.I.; Neamțu, A.; ***Mangalagiu, I.I.;*** Danac, R. Exploring Pyrrolo-Fused Heterocycles as Promising Anticancer Agents: An Integrated Synthetic, Biological, and Computational Approach. *Pharmaceuticals* **2023**, *16*, 865. MDPI, ST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND ISSN: eISSN: 1424-8247.
https://doi.org/10.3390/ph16060865

214. Tucaliuc, R.A.; Mangalagiu, V.; **Mangalagiu, I.I.*** Pyridazinic Bioisosteres with Potential Applications in Medicinal Chemistry and Agriculture. *Processes* **2023**, *11*, 2306. Publisher: Molecular Diversity Preservation International, CODEN: PROCCO; ISSN: 2227-9717
https://doi.org/10.3390/pr11082306

213. **Mangalagiu, I.I.*** Huisgen 3+n Dipolar Cycloaddition Reactions: An Accessible and Useful Tool in Modern Organic and Heterocycle Synthesis. *Molecules* **2023**, *28*, 5692.
https://doi.org/10.3390/molecules28155692

212. Lungu, C.N.; ***Mangalagiu, I.I.*** Editorial for Special Issue - „Research Progress and Applications of Natural Products". *Molecules* **2023**, *28*, *5449*.
https://doi.org/10.3390/molecules28145449

211. Lungu, C.N.; Mangalagiu,V.; **Mangalagiu, I.I.*;** Mehedinti, M.C. Benzoquinoline Chemical Space: A Helpful Approach in Antibacterial and Anticancer Drug Design. *Molecules* **2023**, *28*, 1069. Publisher: Molecular Diversity Preservation International, CODEN: MOLEFW ISSN: 1420-3049
https://doi.org/10.3390/molecules28031069

210. Lobiuc, A.; Paval, N.-E.; **Mangalagiu, I.I.*;** Gheorghit, R.; Teliban, G.-C.; Amariucai-Mantu, D.; Stoleru, V. Future Antimicrobials: Natural and Functionalized Phenolics. *Molecules* **2023**, *28*, 1114. Publisher: Molecular Diversity Preservation International, CODEN: MOLEFW ISSN: 1420-3049
https://doi.org/10.3390/molecules28031114
WOS:000929537300001

209. Lungu, L.; Blaja, S.; Cucicova, C.; Ciocarlan, A.; Barba, A.; Kulcițki, V.; Shova, S.; Vornicu, N.; Geana, E.-I.; ***Mangalagiu, I.I.***; Aricu, A. Synthesis and Antimicrobial Activity Evaluation of Homodrimane Sesquiterpenoids with a Benzimidazole Unit. *Molecules* **2023**, *28*, 933. Publisher: Molecular Diversity Preservation International, CODEN: MOLEFW ISSN: 1420-3049
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**Derwent Primary Accession Number: 2020-605892**

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Web: https://www.novapublishers.com/catalog/product_info.php?products_id=10299
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1. G. Drochioiu, R. Gradinaru, M. Risca, **I. I. Mangalagiu**: "Toxicologie"(392 pag.), Ed. Universitatii "Al.I.Cuza" Iasi, 2013, Iasi. ISBN: 978-973-703-888-3
1. G. Drochioiu, M. Murariu, **I. I. Mangalagiu**: "Plantele medicinale si metalele grele"(143 pag.), Ed. Tehnopress, 2011, Iasi. ISBN: 978-973-873-0
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10. **I. I. Mangalagiu**: *"Relaţii între Structura Substanţelor şi Activitatea Lor Biologică"* (180 pagini), Editura Universităţii "Al.I.Cuza" Iaşi, Centrul de Multiplicare, 1997.
11. **I. I. Mangalagiu**, Ramona Danac; Costel Moldoveanu; Gheorghita Zbancioc, CHIMIE SI TOXICOLOGIE JUDICIARA. SEPARATOLOGOLOGIE JUDICIARA, Editura „AIT –SRL Laboratory", Bucuresti 2011. (217 pag.) ISBN: 978-606-8363-09-7x2.

**GRANTS**

- **14 grants as director;**
- **11 other Grants as collaborator.**

**Identificaion data:**

- **International grants as director- 3**

**7. Grant Erasmus+ EC2U 2023-2027, No101124589.**
Title:**European Campus of City Universities**
Funder: **European Union, Erasmus+**
Director: prof.dr. Ludovic Thily, France, coordinator;

Role: WP leader (WP9), prof.dr. Ionel Mangalagiu, Romania
Duration: 2023-2027 (36 months)
Budget: Total: 2.010.000,00 Euro (255.000 Euro, Ro)
https://ec2u.eu/

**6. Grant H2020-IBA-SwafS-Support-2-2020, No101035803 — RI4C2**
Title: **Research & Innovation For Cities & Citizens – RI4C2**
Funder: **European Union, H2020 Program**
Director: prof.dr. Ludovic Thily, France, coordinator;
Role: WP leader (WP6), prof.dr. Ionel Mangalagiu, Romania
Duration: 2021-2024 (36 months)
Budget: Total: 2.010.000,00 Euro (255.000 Euro, Ro)
https://www.uaic.ro/ri4c2-uaic/
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**5. Grant FP7- People-2009-IRSES, No. 246902**
Title: **Photocatalytic Clusters Complexes for Artificial Photosynthesis Applications**
Funder: **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
Budget: Total: 194.400,00 Euro
https://cordis.europa.eu/project/id/246902
http://www.2020-horizon.com/PCAP-Photocatalytic-Cluster-Complexes-for-Artificial-Photosynthesis-Applications(PCAP)-s6829.html

**4. Bilateral Grant Romania-Moldova**
Title: **Biologically active compounds with terpenoid and azaheterocycle skeleton through conventional and nonconventional methods**
Funder: National Agency for Scientific Research (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
Budget: 41.376 lei (10.000 Euro aprox)

**3. Grant NATO- Collaborative Linkage Grant,** no. PDD(CP)-(CBP.EAP.CLG 982499)/20.11.2006
Title: **Synthesis of Highly Fluorescent Materials Through Eco-friendly Methods**
Funder: **NATO PROGRAMME SECURITY THROUGH SCIENCE,**
Directors: prof.dr. Ionel Mangalagiu, Romania/ prof. Dr. Ulrich Groth, Germany
Duration: 2006-2007
Budget: 5.000,00 Euro

Romanian representative members in the Management Committee:
**2. Grant COST-**Action MP0901
Title: **Designing novel materials for nanodevices - from Theory to Practice (NanoTP)**
**http://www.cost.eu/COST_Actions/mpns/Actions/novel_materials_for_nanodevices**
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
Budget: Total: 200.000,00 Euro.

1. **Grant COST-**Action MP1307
Title: **Targeted chemotherapy towards diseases caused by endoparasites**
**http://www.cost.eu/COST_Actions/cmst/Actions/CM1307**
Finance from: **European Union- FP7 program COST**
Function: Romanian representative members in the Management Committee: prof.dr. Ionel Mangalagiu / dr Radu Silaghi
Duration: 2014-2018
Budget: Total: 300.000,00 Euro.

- **National grants as director- 18**

18. Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: PN-III-P3-3.6-H2020-2020-0205, no. 73/01.07.2022
Title: ***Research and innovation for cities and citizens***
Funder : The Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI )
Duration: 2022-2023
Budget: **20.000,00 €**
https://www.uaic.ro/orizont-2020-2/
https://uefiscdi-direct.ro/index.php?&idPM=246284&we=4deab04771191ae336f18cffef876caa&wf=dDefault&wtok=382e6c617876db93b6f7129e144de720b42a5fdb&wtkps=lZFNbsMgEEbvwjpxGX4N3bWq1E0kSz0BxtRGcRzH4Dpq1bsX0ypKlFUXSMPwHow+jAbQX0FTjYJv0GPQnGkE/clOdmFdy+YQOj4br5a6Yx+fUPo6yrOKXPktGP5u9qct0PZse8i2Rkvc92GtKdGorGtFS2spdY454aS0lmNqOMauNJyvXMIWlwWh0eHYzL0rDsYPxTgd28kcinGgIy06ggkuXONjltaJo4kuFL6ppqN3NlbPL4mh+SqNBM0ViHtw7ac2YYKULOPsAj2Z4HZmMK2b9EXYmRDddKcRqdF/eEh804xD9fZAJGFEEcFwfh8SBoKotPCGEVAlxiDJ5ha78gErpaRQ/PcAp0+77bALqiTjHPIAyb/aEbiP5nVN+S9BKVOC3z8=&wchk=2d97765d1583a27c5ea12643030338c615628325

17. Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: PFE-CDI no.11PFE / 30.12.2021
Title: ***Supporting competitiveness in research, development and innovation by developing the institutional capacity of the Alexandru Ioan Cuza University of Iasi (Acronym: UAIC-INOV-IMP2)***
Funder : Romanian Minister of Research, Innovation and Digitization
Duration: 2021-2024
Budget:: **1.200.000,00 €**
https://www.uaic.ro/sustinerea-competitivitatii-in-cercetare-dezvoltare-si-inovare-prin-dezvoltarea-capacitatii-institutionale-a-universitatii-alexandru-ioan-cuza-din-iasi-uaic-inov-imp2/

16. Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: **PN-III-P4-ID-PCE-2020-0371**, No. 115/2021
Funder : The Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI )

Duration: 2021-2023
Title: **Towards the development of next generation of antimicrobials agents with hybrid azaheterocycle skeleton using eco-friendly methods** (Acronym: **ANTIM-HET-ECO** )
Budget: **250.000,00 €**
https://teclu.chem.uaic.ro/antimheteco/

**15.** Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: CNFIS-FDI, grant no. CNFIS-FDI-2019-0129
Funder : The Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI )
Duration: 2019
Title: Excelency research in Romania in the field of antimicrobial compounds **(Acronym: CED-Antim)**
Value: **78.000,00 €** (352.000,00 lei)

**14.** Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: CNFIS-FDI, grant no. CNFIS-FDI-2018-0102
Funder : The Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI )
Duration: 2018
Title: Excelency research in Romania in the CERNESIM research unit **(Acronym: CER-CE)**
Budget**: 70.000,00 €** (306.600,00 lei )

**13**. Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: PN II-Ideas, grant PN-II-DE-PCE-2011-3-0038, No. 268/2011
Funder : The Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI )
Duration: 2012-2016
Title: **New polifunctional nitrogen derivatives (heterocycles, podants and macrocycles) as smart versatile building blocks for multiple tasks**
Budget**: 350.000,00 €**
http://teclu.chem.uaic.ro/chemosensors/

**12**. Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: PN II-Ideas, grant. No. 88/2008
Funder : The Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI )
Duration: 2009-2011
Budget: **Chemosensors with Macrocyclic Skeleton**
**Value : 105.000,00 €**

**11**. Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: CEEX (Research of Excellency), grant no. 36/2005
Funder : **MATNANTECH Program,** Romanian Ministry of Education and Research
Budget: 450.000,00 €
Duration: 2005-2008
Title: **Macrocycles of Type Coronand Through Conventional and Nonconventional Methods (Microwave and Ultrasounds)**

**10**. Director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: CEEX (Research of Excellency), grant no. 49/2005
Funder: **BIOTECH Program,** Romanian Ministry of Education and Research
Budget: 450.000,00 €
Duration: 2005-2008
Title: **Obtaining, Physical-Chemical and Biological Characterization of Some Steroid-Glicosid Biopreparations of Vegetal Origin**

**9**. Vice-director: **Prof. dr. IONEL MANGALAGIU**
Type of grant: CEEX (Research of Excellency), grant no. **06-D11-106**/2006
Funder : **CERES Program,** Romanian Ministry of Education and Research
Budget: 450.000,00 €
Duration: 2006-2008
Title: New Anti-HIV and Anti-fungus Nanocompounds Incorporated in Cyclodextrine

**6-8**. 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.** Budget:**: 10.000,00 €**
**2nd year: 2007, cod 1155, theme 28.** Budget: **: 10.000,00 €**
**3rd year: 2008, cod 1155, theme 19.** Budget: **: 10.000,00 €**

**3-5**. 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.** Budget: **: 2.000,00 €**
**2nd year: 2004, cod 1322, theme 20.** Budget: **: 3.000,00 €**
**3rd year: 2005, cod 1322, theme 29.** Budget: **: 5.000,00 €**

**2**. 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%)

**1**. 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

**POSDRU**

**1. POSDRU 161/2.1/G/141661: Facilitarea inserţiei pe piaţa muncii a absolvenţilor de chimie ",**
Value: 2,166,413.76 lei
Duration: 2014-2015
Function: long therm expert

**2. POSDRU 159/1.5/S/137750: Programe doctorale şi postdoctorale - suport pentru creşterea competitivităţii cercetării în domeniul Ştiinţelor exacte**
Value: 9,626,463.00 lei
Duration: 2014-2015
Function: long therm expert

**3. POSDRU 159/1.5/S/133652: Sistem integrat de îmbunătăţire a calităţii cercetării doctorale şi postdoctorale din România şi de promovare a rolului ştiinţei în societate**
**Value: 9,767,647.60 lei**
Duration: 2014-2015
Function: short therm expert

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