

## CURRICULUM VITAE



Name: **MANGALAGIU IONEL**

Citizenship: Romanian

Position and degree held: Professor, Ph.D

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Brainmap ID: U-1700-039Y-5778

ORCID ID: [0000-0002-4632-5076](https://orcid.org/0000-0002-4632-5076); <http://orcid.org/0000-0002-4632-5076>

Researcher ID (Web of Science): H-2421-2017 <https://www.webofscience.com/wos/author/record/H-2421-2017>

Researcher ID (Scopus): 55761251200 <https://www.scopus.com/authid/detail.uri?authorId=55761251200>

Researcher ID (Google): <https://scholar.google.com/citations?user=aqwSylkAAAAJ&hl=en>

<https://sciprofiles.com/profile/http://teclu.chem.uaic.ro/mangalagiu>

### ✓ Education:

- 1970-1978, Primary and secondary school in my village;
- 1978-1982, Medical High School, Iasi;
- 1983-1984, Military service;
- 1985-1990, Chemical Technological Faculty, Chemistry- Physics Section, **Polytechnic Institute of Iasi, Romania.**

### ✓ Achievements:

- **1982**, Medical instructor diploma;
- **1990**, Bachelor's in Chemistry and Physics;
- **1990**: **Assisting professor, Organic Chemistry Dep., Alexandru Ioan Cuza University of Iasi, Romania;**
- **1995**: **Lecturer**, the same department;
- **1996**: **Doctor's Degree** in Chemistry, **Alexandru Ioan Cuza University of Iasi, Romania.** Title of Ph-D thesis: "*New Ylide Compounds In the 1,2-Diazine Series*". Ph-D supervisor: Prof.dr.doc. **MAGDA PETROVANU;**
- **1997**: **Associate professor**, the same department;
- **2001**: **Professor**, the same department;
- **2002**: **Ph-D Supervisor.**
- **2006-2012, 2016-2020**: **Member of the National Council for Titles, Diplomas and Certificates of Romania-Chemistry**
- **2012-2016**: **President of the National Appeal Council for Titles, Diplomas and Certificates of Romania-Chemistry;**
- **2007-2011, 2017-2020**: **Member of the National Research Council of Romania;**
- **2023 – present**: **Member of the National Council for Higher Education Financing of Romania;**
- **2000-2004**: **Vice dean** of faculty;
- **2005-2008**: **Head of Organic and Biochemistry Department;**
- **2012-2016**: **Dean of Chemistry Faculty;**
- **2016- 2024**: **Vice-Rector for Research, Alexandru Ioan Cuza University of Iasi;**
- **2020- 2021**: **Director of the Council for Doctoral Studies, Alexandru Ioan Cuza University of Iasi;**
- **since 2002**: **Erasmus - Socrates coordinator** for international cooperation with T.U. Braunschweig, University of Konstanz, Université d'Angers, Università degli Studi di Cagliari.

### ✓ Invited speaker to foreign universities:

- ✓ '*Microwave Assisted Reactions in Organic Synthesis*', Technische Universität Braunschweig, Germany, August 27-th **2005**;
- ✓ '*Coronands*', Technische Universität Braunschweig, Germany, July 18-th **2007**.
- ✓ '*Coronands and Azaheterocycles: New Approaches*', Technische Universität Braunschweig, Germany, June 27th **2008**.

- ✓ ‘*Nanomaterials with Azaheterocycles Skeleton*’, Université d’Angers, France, July 10-th **2008**.
- ✓ “*Nitrogen Heterocycles: Old Stories, new Approaches and Perspectives*”, University of Konstanz, Konstanz, October 16-th **2014**.
- ✓ “*Five and Six Member Ring Azaheterocycles as Intelligent Building Blocks for Multiple Tasks*”, University of Florence, Italy, June 20-th **2016**.
- ✓ “*Azaheterocycles: chemistry and applications*”, Institutul de Chimie al Academiei de Stiinte al Moldovei, Chisinau, October 16-th **2016**.
- ✓ “*New Achievements in the Five and Six Member Ring Azaheterocycles: Chemistry and Applications*”, Technische Universität Braunschweig, Germany, August 31-st **2017**.
- ✓ “*New achievements in medicinal chemistry of five and six member ring nitrogen heterocycles*”, Université Paris Sud, Paris, France, July 12-th **2018**.
- ✓ “Azaheterocycles”, University of Vienna, Vienna, Austria, December 2, **2022**.
- ✓ „Antimicrobial and Anticancer Activity of Hybrid Azaheterocycles”, Technische Universität Braunschweig, Germany, September 19th, **2022**.
- ✓ “Pyridine, quinoline and other 6 member ring derivatives with biological activity”, Institute of Chemistry, Chisinau, Moldova, April 28th, **2022**.
- ✓ “*Hybrid and Chimeric Nitrogen Heterocycles with Biological Activity*”, Institute of Chemistry, Chisinau, Moldova, October 12th, **2023**.
- ✓ „Antimicrobial and Anticancer Activity of Hybrid and Chimieric Azaheterocycles”, Technische Universität Braunschweig, Germany, August 31st **2023**.
- ✓ “*Design, synthesis and biological activity in the class of azaheterocycles with 5 and 6 member rings*”, University of Florence, Italy, February 16-th **2024**
- ✓ “*Azine Derivatives with Antimicrobial Properties*”, Institute of Chemistry, Chisinau, Moldova, November 7th, **2024**.
- ✓ “*Chimeric and Hybrid Azaheterocycles as Multitarget Ligands with Anticancer Activity*”, Technische Universität Braunschweig, Germany, June 23-rd **2025**.

✓ **Honours, Awards, Fellowships, Membership of Professional Societies (selections)**

- **July - August, 2008. Visiting Professor:** Technische Universität Braunschweig, University of Konstanz, Institut für Chemie, Germany; field: ‘Supramolecular Chemistry’ respectively “Highly Fluorescent Materials through Nonconventional methods”; with **Prof. Wolf Du Mont** and **Prof. Ulrich Groth**, respectively;
  - **July- August, 2007. Visiting Professor:** Technische Universität Braunschweig, University of Konstanz, Germany; field: ‘Supramolecular Chemistry’, respectively “Highly Fluorescent Materials through Microwave Chemistry”; with **Prof. Mathias Tham** and **Prof. Ulrich Groth**, respectively;
  - **July- August, 2006. Visiting Professor,** University of Konstanz, Germany; field: ‘Solid-Phase Peptide Synthesis’; with Prof. Michael Przybylski;
  - **June – September, 2003. DAAD–NATO Fellowship. Visiting Professor:** Ludwig Maximilianus University Munich, Institut für Organische Chemie; field: ‘Preparation of Polyfunctional Aryl, Alkenyl and Heteroaryl Magnesium Reagents and their Applications in Organic Synthesis’; with **Prof. Paul Knochel**;
  - **August - September, 1998. NATO Fellowship.** Postdoctoral study: NATO Advanced Study Institute in Management of Research & Development & Innovation in Chemistry, Budapest, Hungary;
  - **September 1994 - August 1995. Scholarship in Norway,** University of Oslo, (competition: The Council of Europe for the East European countries (China including). Specialization in the field of “Application of Organometallic Chemistry to Synthetic Problems”, under the supervision of **prof. dr. Kjell Undheim**.
- **December 19, 2011. Costin D. Nenitescu Medal, for Outstanding Achievements in Chemistry. Romanian Society of Chemistry;**
  - **2023. Ioan Tanasescu Award for Excellence in Organic Chemistry. American Chemical Society (ACS) in association with the Romanian International Chapter;**
  - **October 26-th, 2006. Alexandru Ioan Cuza University of Iasi Award for Excellence in Research.** Alexandru Ioan Cuza University Days, Iasi, Romania;
  - **October 26-th, 2021. Alexandru Ioan Cuza University of Iasi Award for Excellence in Research.** Alexandru Ioan Cuza University Days, Iasi, Romania;

- **October 26-th, 2023. Alexandru Ioan Cuza University of Iasi Award for Excellence in Research.** Alexandru Ioan Cuza University Days, Iasi, Romania;
- **May 12-14, 2011. Excellency Diploma in Research, Technical University of Moldova** for “Research in the field of Azaheterocycles”. **Euroinvent 2011**, Iasi, Romania;
- **December 4-6, 2015. Silver Medal.** Patent awarded: “11,12-Bis-p-tolyl-piridazonil-drim-5(6),8(9)-diene-7-one with antifungal and antibacterial properties”, **Kaohsiung International Invention and design Expo 2015**, Kaohsiung, Taiwan;
- **November 25-28, 2015. Silver Medal.** Patent awarded: “Stimulation procedure of grapes crop” **Infoinvent 2015**, Chisinau, Moldova;
- **November 8-10, 2012. Gold Medal.** Patent awarded: Procedure for obtaining oil nanodispersion with regenerative capacity. **37-th International Invention Show**, Sibenik, Croatia;
- **June 8-10, 2011. Gold Medal.** Group of patents awarded. **Inventica 2011**, Iasi, Romania;
- **June 04-06, 2009. Excellency Diploma and Gold Medal.** Patent awarded: “Steroidal Glycosides: Biologically Active Compounds of Vegetal Origin”. **Inventica 2009**, Iasi, Romania;
- **June- July, 2008.** Erasmus/Socrates mission to: Université D’Angers (France, July 13-25) and University of Konstanz, Institut fur Chemie (Germany, June 30 – July 12);
- **July- August, 2007.** Erasmus/Socrates mission to: TU Braunschweig (Germany, July 13-19) and University of Konstanz, Institut fur Chemie (Germany, July 20 – August 5);

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

✓ **Other Achievements:**

▪ **Grants reviewer for:**

- FP7 program (since 2008) and Horizont 2020 (since 2015) Cod: EX2002B025670;;
- INTAS program of grants (EU), since 2002;
- CNCSIS, CEEX, PNCDI program of grants of Romanian Ministry of Research, since 2001.

▪ **Member in the Editorial Board / Guest Editor of the following journals**

- *Current Medicinal Chemistry*, Bentham Science, UK.  
<https://benthamscience.com/journal/25/editorial-board>
- *Current Pharmaceutical Design*, Bentham Science, UK.  
<https://www.benthamscience.com/journal/29/editorial-board>
- *Molecules (Organic Chemistry Section)*, MDPI, Switzerland.  
[https://www.mdpi.com/journal/molecules/sectioneditors/organic\\_chemistry?page\\_no=3;](https://www.mdpi.com/journal/molecules/sectioneditors/organic_chemistry?page_no=3;)
- *Molecules (Ultrasounds Chemistry Section)*, MDPI, Switzerland.  
[https://www.mdpi.com/journal/molecules/sectioneditors/organic\\_chemistry?page\\_no=3;](https://www.mdpi.com/journal/molecules/sectioneditors/organic_chemistry?page_no=3;)
- *Mini-Reviews in Organic Chemistry*, Bentham Science, UK.  
<https://benthamscience.com/journal/45/editorial-board>
- *Acta Chimica Iasi* (former *Analele Stiintifice ale Universitatii “Al.I Cuza” Iasi*), Ed. Univ. Alexandru Ioan Cuza Iasi, Iasi, Romania.  
[https://www.chem.uaic.ro/ro/acta-chemica/editorial\\_board.html](https://www.chem.uaic.ro/ro/acta-chemica/editorial_board.html)
- *Chemistry Journal of Moldova*, Institute of Chemistry, M.S.U., 3 Academiei str., Chisinau MD-2028, Republic of Moldova.  
[http://cjm.ichem.md/editorial\\_board](http://cjm.ichem.md/editorial_board)
- *New Frontiers in Chemistry*, Ed. Univ. de Vest Timisoara, Timisoara, Romania.  
<http://www.newfrontchem.iqstorm.ro/editors.php>
- *Journal of the European Society of Mathematical Chemistry*, European Society of Mathematical Chemistry.  
<http://chem.ubbcluj.ro/jesmc/>
- *Studia Universitatis Moldaviae- Ştiinţe Reale şi ale Naturii USM*, Ed. Universitatii de Stat din Moldova, ISSN 1814-3237 ISSN online 1857-498X.  
<https://natural.studiamsu.md/editorial-board/>

**- Guest Editor, Special Issues:**

1. Microwave Assisted Reactions: A Modern Useful Tool in Med. Chemistry (2019), *Molecules*, MDPI.  
[https://www.mdpi.com/journal/molecules/special\\_issues/Microwave\\_Medicinal](https://www.mdpi.com/journal/molecules/special_issues/Microwave_Medicinal)
2. Huisgen 3+n dipolar cycloaddition reactions: an accessible and useful tool in modern organic and heterocycle synthesis Chemistry (2022), *Molecules*, MDPI.  
[https://www.mdpi.com/journal/molecules/special\\_issues/Huisgen\\_Mangalagiu](https://www.mdpi.com/journal/molecules/special_issues/Huisgen_Mangalagiu)
3. Research Progress and Application of Natural Compounds (2023), *Molecules*, MDPI.  
[https://www.mdpi.com/journal/molecules/special\\_issues/MXVW794G24](https://www.mdpi.com/journal/molecules/special_issues/MXVW794G24)
4. Hybrid and Chimeric Heterocyclic Compounds as Anticancer and Antimicrobial Agents (2024), *Molecules*, MDPI.  
[https://www.mdpi.com/journal/molecules/special\\_issues/6181WGEJU8](https://www.mdpi.com/journal/molecules/special_issues/6181WGEJU8)
5. Advances in the Synthesis of Heterocyclic Compounds and Their Applications (2025), *Molecules*, MDPI.  
[https://www.mdpi.com/journal/molecules/special\\_issues/9H9L15X18P](https://www.mdpi.com/journal/molecules/special_issues/9H9L15X18P)
6. Research Progress and Application of Natural Compounds – 2-nd Ed. (2025), *Molecules*, MDPI.  
[https://www.mdpi.com/journal/molecules/special\\_issues/UZUM2TRV3A](https://www.mdpi.com/journal/molecules/special_issues/UZUM2TRV3A)
7. 30th Anniversary of Molecules—Recent Advances in Ultrasound Chemistry (2025), *Molecules*, MDPI.  
[https://www.mdpi.com/journal/molecules/special\\_issues/ZM6S6JEE49](https://www.mdpi.com/journal/molecules/special_issues/ZM6S6JEE49)
8. Hybrid and Chimeric Heterocycles: An Attractive Approach to Biologically Active Compounds (2025), *Pharmaceuticals*, MDPI.  
[https://www.mdpi.com/journal/pharmaceuticals/special\\_issues/X8Z2Q769BI](https://www.mdpi.com/journal/pharmaceuticals/special_issues/X8Z2Q769BI)
9. Applied Innovative Insights in Selective Organic Hetero-Synthesis. (2026), *Molecules*, MDPI.  
[https://www.mdpi.com/journal/molecules/special\\_issues/18J8WYL2F3](https://www.mdpi.com/journal/molecules/special_issues/18J8WYL2F3)

**▪ Reviewer to the following journals (by Publishers):**

- European Journal of Medicinal Chemistry, Elsevier, Netherlands;
- Ultrasonics Sonochem, Elsevier, Netherlands;
- Comptes Rendus Chimie, Elsevier, Netherlands;
- Bioorganic & Medicinal Chemistry, Elsevier, Netherlands;
- Bioorganic & Medicinal Chemistry Letters, Elsevier, Netherlands;
- Tuberculosis, Elsevier, Netherlands;
- Arabian Journal of Chemistry, Elsevier, Netherlands;
- Inorganica Chimica Acta, Elsevier, Netherlands;
- ChemMedChem, RSC, UK;
  - Monatshefte für Chemie, Springer, Germany;
  - Medicinal Chemistry Research, Springer, Germany;
  - Research on Chemical Intermediates, Springer, Germany;
  - Central European Journal of Chemistry, Springer, Germany;
- Journal of Heterocyclic Chemistry, Wiley, New York, USA;
- Journal of Physical Chemistry, ACS, USA;
- Heteroatom, Wiley, New York, USA;
- Plos One, USA;
- Arkivok, Arkat Gainesville, FL, USA;
- Future Medicinal Chemistry, Taylor&Francis, US
- Polycyclic Aromatic Compounds, Taylor&Francis, US
- Expert Opinion On Drug Discovery, Taylor&Francis, US
- Smart Science, Taylor&Francis, US
  
- Current Organic Chemistry, Bentham Science, UK;
- Current Medicinal Chemistry, Bentham Science, UK;
- Current Microwave Chemistry, Bentham Science, UK;
- Letters in Drug Design and Discovery, Bentham Science, UK;
- Journal of Chemistry, Hindawi Publishing Corporation, Egypt/USA
- Molecules, MDPI, Switzerland;
- Metabolites, MDPI, Switzerland;
- Amino Acids, MDPI, Switzerland;
- Molbank, MDPI, Switzerland;
- International Journal of Molecular Sciences, MDPI, Switzerland;
  - Revue Roumaine de Chimie, Ed. Academiei, Bucuresti, Romania;
  - Roum. Biotech. Lett., Ed. Universitatii Bucuresti, Romania;
  - Analele Stiintifice ale Universitatii Alexandru Ioan Cuza Iasi, Ed. Univ. Iasi, Iasi, Romania.

- New Frontiers in Chemistry, Ed. Univ. de Vest Timisoara, Timisoara, Romania;
- Studia UBB Cluj, Cluj, Romania.

- **Organisation of scientific meetings**

- *Euroinvent 2009*, May 7-9, 2009. Iasi, Romania;  
<https://www.euroinvent.org/cat/e2009.pdf>
- *Euroinvent 2010*, May 7-9, 2010. Iasi, Romania;  
<https://www.euroinvent.org/cat/e2010.pdf>
- *Euroinvent 2011*, May 12-14, 2011. Iasi, Romania;  
<https://www.euroinvent.org/cat/e2011.pdf>
- *Euroinvent 2012*, May 10-12, 2012. Iasi, Romania;  
<https://www.euroinvent.org/cat/e2012.pdf>
- *Euroinvent 2013*, May 9-11, 2013. Iasi, Romania;  
<https://www.euroinvent.org/cat/e2013.pdf>
- “Alexandru Ioan Cuza” University Days 2013, Mini-Hot-Conference: „Recent Achievements in Organic and Supramolecular Chemistry”, October 25 – 26, 2013. Iasi, Romania;  
[https://www.chem.uaic.ro/files/File/acta-chemica/ac\\_vol21\\_no2\\_2013/6.pdf](https://www.chem.uaic.ro/files/File/acta-chemica/ac_vol21_no2_2013/6.pdf)
- *The 6th Scientific Session of Undergraduate, Masters and Ph-D Students*, June 26, 2015. Iasi, Romania;  
[https://www.chem.uaic.ro/files/File/acta-chemica/aci\\_23\\_2015/5.pdf](https://www.chem.uaic.ro/files/File/acta-chemica/aci_23_2015/5.pdf)
- *The 7th Scientific Session of Undergraduate, Master and PhD Students*, June 24, 2016. Iasi, Romania;  
[https://www.chem.uaic.ro/files/File/acta-chemica/aci\\_vol\\_24\\_no1\\_2016/10373\\_24\\_1\\_achi\\_2016\\_06.pdf](https://www.chem.uaic.ro/files/File/acta-chemica/aci_vol_24_no1_2016/10373_24_1_achi_2016_06.pdf)
- *4-eme Colloque Franco-Roumain de Chimie Medicinale*, October 05-07, 2017. Iasi, Romania;  
<https://www.chem.uaic.ro/cofrocm-2017/OrganizingCommittee>
- *National Conference of Ph-D Schools from Universitaria Consortium*, October 31- November 3, 2019. Iasi, Romania;
- *10-th European Organic Chemistry Congress*, March 21-22, 2019. Rome, Italy  
[file:///D:/IONEL/CONF/2020/1-invitatii%20Org%20Commite%20Memmber/2019-Roma-Organizing%20Committee%20\\_%20Global%20Chemistry...pdf](file:///D:/IONEL/CONF/2020/1-invitatii%20Org%20Commite%20Memmber/2019-Roma-Organizing%20Committee%20_%20Global%20Chemistry...pdf)
- *2nd International Conference on Organic and Inorganic Chemistry*, September 16-17, 2020. Vienna, Austria.  
[file:///D:/IONEL/CONF/2020/1-invitatii%20Org%20Commite%20Memmber/Organizing%20Committee%20\\_%20Organic%20Chemistry%20Conferences%20%20Biochemistry%20Meeting%20\\_%20Chemistry%20Gathering%20\\_%20Frankfurt%20\\_%20Germany%20\\_%20Europe%20%20USA%20\\_%20Middle%20East%20\\_%202019.pdf](file:///D:/IONEL/CONF/2020/1-invitatii%20Org%20Commite%20Memmber/Organizing%20Committee%20_%20Organic%20Chemistry%20Conferences%20%20Biochemistry%20Meeting%20_%20Chemistry%20Gathering%20_%20Frankfurt%20_%20Germany%20_%20Europe%20%20USA%20_%20Middle%20East%20_%202019.pdf)
- *3-rd International Conference on Organic Chemistry*, April 27-28, 2020, Berlin, Germany.  
[Organizing Committee | Organic Chemistry conference | Inorganic Chemistry Meetings | Innovations and Emerging Novel Research | Organic Chemistry Meetings | Global Events | Rome | Italy | Europe | USA | Asia |](#)

- **President or Member of the defended committee of Ph-D Thesis for students from Romania, France, and Italy**

- ✓ **Language skills:** English- very good; French- good
- ✓ **Didactic and Scientific Background**

- **Didactic Career:**

- Beginning with the academic year 1995- 1996, I'm teaching the following courses:
  1. **Relation between Structure and Biological Activity of the Organic Compounds** (at the 3<sup>rd</sup> year Biochemistry Section and Master students).
  2. **Natural Products** (at the 4<sup>th</sup> year of the Chemistry Section and year of the Biochemistry Section).
  3. **Organic Chemistry I** (at the 2<sup>nd</sup> year of the Chemistry Section).
  4. **Amphiphilic Compounds** (Master)
  5. **Microwave and Ultrasounds Assisted Reactions** (Doctoral School).
  6. **Drug Design** (Master).

- **Research Career:**

Main field of research:

**Heterocyclic Chemistry,**

with three area of expertise:

1. **Chemistry and Health: Nitrogen Heterocycles Chemistry and Medicinal Chemistry;**
2. **Chemistry and Nanoscience: Nitrogen and/or Oxygen Macrocycles, Supramolecular Chemistry;**
3. **Chemistry and Sustainable Development: Eco-friendly Reactions using Microwave and Ultrasounds Assisted Reactions.**

Inside these areas, the following main aspects are followed:

**a. Chemistry and Health:** the development of new useful reactions for the synthesis of heterocyclic compounds, and in particular, reactions involving reactive species such as cycloimmonium ylides. The main outcomes of these directions are: new nitrogen heterocycles biologically active [antimicrobials (antituberculosis including), anticancer, and growth factors for agriculture], new nanobiomaterials with and without nitrogen heterocycle moieties, etc.;

**b. Chemistry and Nanoscience:** in this field, our efforts are oriented in the area of oxa- and oxaza- coronands, nano-electronics and nano-devices, nanobiomaterials (for dentistry, including), new highly fluorescent materials, chemical captors (chemosensors);

**c. Chemistry and Sustainable Development:** microwave and ultrasound-assisted reactions; these technologies allow us to develop environmentally friendly methods, with lower waste and environmentally friendly impact ["green" chemistry];

**Keywords:** heterocycles, diazine, ylides, oxa- oxaza- coronands, microwave, ultrasounds, cycloadditions, fluorescent materials, nanobiomaterials, antituberculosis, antimicrobials, anticancer, nano-electronics and nano-devices (logic gates, chemosensors), "green" chemistry.

- **Significant Results in reserch:**

**Present research team:** 4 postdocs, 5 pH-D students, 8 master's and graduating students;

- **17 Ph-D students finished and defended their theses under my supervision:**

Moldoveanu C. (defense in July 2007), Zbancioc Ghe. (July 2007), Butnariu R. (June 2008), Balan A.M. (May 2009), Florea O. (October 2009), Risca M. (December 2009), Bejan V. (February 2010), Mantu D. (November 2010), Astefanei D. (December 2013), Maftei D. (September 2014), Al-Matarneh C. (October 2016), Olaru A. (July 2018), Tiru L. (September 2018), Sardaru M. (November 2020), Diaconu D. (February 2021), Bucur St. (September 2021), Oniciuc L (March 2024).

- **Foreign doctoral researchers in my labs:**

Florian Roßner (Goethe University Frankfurt), Germany (2021)

Renata Eftenyeva (Yuriy Fedkovych National University Cernauti, Chemical Dep.), Ukraine (2015-2016)

Nejjar El Ansari Zineb (Université Abdelmalek Essaadi, Faculté des Sciences de Tétouan) Morocco (2014)

- **Postdocs in my labs:**

Edu Carolina, Moldova (2013); Antoci Vasilichia, Romania (2012-2013); Chibac Andreea, Romania (2014-2015); Mantu Dorina, Romania (2014-2015); Murariu Manuela, Romania (2014-2015); Zbancioc Ana Maria, Romania (2014-2015), Diaconu D.(2023-2024).

- **Total scientifically papers published:**

- over **200**, from which papers in **ISI quoted publications (Web of Science-Core Collection) over 150**, more than half of them in journals from first quartile **Q1 (top 25%)** and second quartile **Q2 (top 26-50%)** (Bioorg. Med. Chem., Curr. Med. Chem., Eur. J. Med. Chem., Eur. J. Org. Chem., Future Med. Chem, J. Heterocyclic Chem., J. Phys. Chem., Macromolecules, Molecules, Synthesis, Synlett, Tetrahedron, Tetlett., Ultrason. Sonochem., etc.);

- papers presented to meetings: over 150 (over 100 international).

- **Citations, from which:**

**Hirsh index:**

- **32**, Web of Science-Core Collection (Number of citations: over 3000)

- **33**, Scopus (Number of citations: over 3000)

- **36**, Google (Number of citations: over 4000)

- **Invited speaker to foreign universities - 12;**

- **Invited *Plenary lectures* (representative)- over 50;**
- **Patents: 14.**

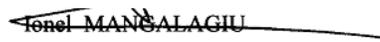
- **International grants as director:**

- 1 HORIZONT 2020 grant as WP leader (2021-2023);
- 1 FP7 grant as director (2010-2013);
- 1 NATO grant as director (2006-2007);
- 1 bilateral grant as director with Moldova (2010-2013);
- Management Committee member (Romanian representative) in the COST Actions CM1307 (2014-2018) and MP0901 (2009-2013);

- **National grants as director. Total number- 18**

- 1 : PN-III-P3-3.6-H2020- International and European Cooperation grant as director (2022-2023, with Romanian Ministry of Research Education);
- 1 PN-III-PCE Exploratory Research grant as director (2021-2023, with Romanian Ministry of Research Education);
- 2 PN-II Ideas grant as director (2009-2011, 2012-2016, with Romanian Ministry of Research Education);
- 2 CEEX grants as director (2005-2008, 2006-2008, with Romanian Ministry of Research Education);
- 1 CEEX grant as partner director (2006-2008, with Romanian Ministry of Research Education) ;
- 1 grant with World Bank as director (1999);
- 8 grants type A (with Romanian Ministry of Research Education) as director: 1998, 2003, 2004, 2005; 2006, 2007, 2008.

 Prof. dr.,

  
~~Ionel MANIȘALAGIU~~

**Professor dr. IONEL MANGALAGIU**

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**R O M A N I A**

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## LIST OF PUBLICATIONS

### ISI WEB OF SCIENCE: colour Articles LEGEND:

No. – Q1 (0-25%); No. – Q2 (26-50%); No – Q3, Q4 (51-100%).

### 2025

**240.** Diaconu, D.; Savu, M.; Ciobanu, C.; Mangalagiu, V.; **Mangalagiu, I.I.\*** Current strategies in design and synthesis of antifungals hybrid and chimeric diazine derivatives. *Bioorganic & Medicinal Chemistry (Bioorg. Med. Chem.)* **2025**, *119*, 118069. Elsevier Science LTD, ENGLAND. ISSN: 0968-0896.

<https://doi.org/10.1016/j.bmc.2025.118069>

**239.** Lungu, C.N.; **Mangalagiu, I.I.\***; Romila, A.; Nechita, A.; Putz, M.; Mehedinti, M.C. Molecular Mediated Angiogenesis and Vasculogenesis Networks. *International Journal of Molecular Sciences (Int. J. Mol. Sci.)* **2025**, *26*, 6316. Publisher: Molecular Diversity Preservation International, ISSN: 1422-0067

<https://doi.org/10.3390/ijms2613631>

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10. **Mangalagiu, I.I.**; Ciocoiu, I.; Guran, C.; Jitaru, I.; Meghea, A. **Complex compounds of some 3d- metals with 3-p-bromophenyl-pyridazinone**, *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie*, **4(s1c)**, 145-150, **1996**. Publisher: Editura Universitatii "Al.I.Cuza" Iasi, ISSN: 1221-5341.

#### **1995**

**9. Mangalagiu, I.I.** **New disubstituted carbanion ylides from pyridazine**, *Acta Chim. Scand.* (Transformed into Organic and Biomolecular Chemistry), **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

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#### **Papers published „in extenso” in proceedings:**

Qingleo L., **Mangalagiu I.**, Benneche T., Undheim K. (1995) *Proc. 8th IUPAC OMCOS Symp.*, pp. 159.

#### **1994**

7. **Mangalagiu, I.I.**; Caprosu, M.; Druta, I.; Petrovanu, M. **3-p-Halogenophenyle-pyridazinium- ylures (III)**, *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie*, **2(s1c)**, 49-56, **1994**. Publisher: Editura Universitatii "Al.I.Cuza" Iasi, ISSN: 1221-5341.

6. **Mangalagiu, I.I.**; Druta, I.; Caprosu, M.; Petrovanu, M. **3-p-Halogenophenyle-pyridazinium- ylures (IV)**, *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie*, **2(s1c)**, 57-64, **1994**. Publisher: Editura Universitatii "Al.I.Cuza" Iasi, ISSN: 1221-5341.

5. **Mangalagiu, I.I.**; Caprosu, M.; Ungureanu, M.; Petrovanu, M. **Nouveaux derives 1,2-diaziniques douse d'activite antimicrobienne. V.**, *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie*, **2(s1c)**, 65-67, **1994**. Publisher: Editura Universitatii "Al.I.Cuza" Iasi, ISSN: 1221-5341.

4. Caprosu, M.; Ungureanu, M.; Dima, St.; **Mangalagiu, I.**; Grosu, G., Petrovanu, M. **L'activite biologiques de quelques nouveaux pyridazinium et phthalazinium ylures**, *Revista Medico Chirurgicala Iasi*, **98(1-4)**, 117-120, **1994**.

#### **1993-1992**

3. **Mangalagiu, I.I.**; Druta, I.; Caprosu, M.; Petrovanu, M. **3-p-Halogenophenyle-pyridazinium- ylures (I)**, *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie*, **1(s1c)**, 51-59, **1993**. Publisher: Editura Universitatii "Al.I.Cuza" Iasi, ISSN: 1221-5341.

2. **Mangalagiu, I.I.**; Druta, I.; Caprosu, M.; Petrovanu, M. **Addition des 3-p-bromoophenyle-pyridazinium- ylures au DMAD**, *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Chimie*, **1(s1c)**, 65-69, **1993**. Publisher: Editura Universitatii "Al.I.Cuza" Iasi, ISSN: 1221-5341.

1. Guran, C.; Ciocoiu, I.; Micu, M.; *Mangalagiu, I.I.* **Chromium(III) complex thiocyanates with pyridazone derivatives. II.**, *Scientific Bulletin - Polytechnic Institute of Bucharest, Chemistry and Materials Science*, **54(3-4)**, 49-53, **1992**. Publisher: Bucharest Polytechnic Institute, CODEN: SICSEI ISSN: 1220-305X. Journal written in English. CAN 123:131026 AN 1995:634123 CAPLUS

## Patents

**Number of patents: 14**

14. **Mangalagiu, I.I.**; Amariuca-Mantu, D.; Antoci, V.; Zbancioc, Ghe.; Moldoveanu, C.; Cucu, D.; Danac, R.; Mangalagiu, V. **Obtaining class of anthracene-imidazole compounds with anti-tuberculosis effect by performing N-alkylation imidazole and benzimidazole with 9-chloromethyl-anthracene, and subjecting intermediates to quaternization**

**Patent RO (Oficiul de Stat pentru Inventii si Marci-OSIM): RO134192-A0/30.06.2020; RO134192-A3 /30.03.2021**

**International Patent Classification:** A61K-031/06; A61K-031/41; C07D-403/14

**Derwent Primary Accession Number:** 2020-605892

13. Hagi, B.; Sandu, I.; Lupascu, T.; Vasilache, V.; Tura, V.; **Mangalagiu, I.I.**; Sandu, A. Gonciar, V. **Process for the obtaining of an injection oil silver nanodispersion**

**Patent MD (Agentia de Stat pentru Proprietate Intelectuala-AGEPI, Rep. Moldova), No.**

MD4106 (B1)/2011-04-30; MD4106 (C1) 2011-11-30

**International Patent Classification:** A61K33/38;

**Property Rights Owner:** Institutul de Chimie al Academiei de Stiinte a Moldovei, Moldova

12. Aricu A., **Mangalagiu I.I.**, Ciocârlan A., Lungu L., Zbancioc Ghe., Vornicu N. **11,12-Bis-p-tolyl-pyridazonil-drim-5(6),8(9)-diene-7-one exhibiting antimicrobial and antifungal activity** (11,12-Bis-p-tolil-piridazonil-drim-5(6),8(9)-dien-7-ona cu proprietăți antifungale și antibacteriene).

**Patent MD (Agentia de Stat pentru Proprietate Intelectuala-AGEPI, Rep. Moldova), No. MD4370 (C1)/ 30.04. 2016**

**International Patent Classification:** [A61K31/122](#)

**Property Rights Owner:** Institutul de Chimie al Academiei de Stiinte a Moldovei, Moldova

11. Hagi, B.; Sandu, I.; Vasilache, V.; Tura, V.; **Mangalagiu, I.I.**; Mungiu, O. C.; Filote, C.; Sandu, A. **Proces for preparing an oily nanodispersion with tissue regenerative capacity** (Procedeu de obtinere a unor nanodispersii uleioase cu proprietati tisulare regenerative).

**Patent RO (Oficiul de Stat pentru Inventii si Marci-OSIM), RO127723-B1, 30.03.2016.**

**International Patent Classification:** [A61K9/10](#)

**Property Rights Owner:** Universitatea Stefan cel Mare Suceava, Romania

10. Hagi, B.; Sandu, A.; Lupascu, T.; Chirazi, M.; **Mangalagiu, I.I.**; Sandu, I.; Ciobanu, M.; Vasilache, V. **Powder with homeostatic and regenerative capacity** (Pudra avind capacitate homeostatica si regenerativa).

**Patent MD (Agentia de Stat pentru Proprietate Intelectuala-AGEPI, Rep. Moldova), No. 4117-C1/30.11.2011.**

**Property Rights Owner:** Institutul de Chimie al Academiei de Stiinte a Moldovei, Moldova

9. Iurea, D. (RO); Chintea, P. (MD); **Mangalagiu, I.I.** (RO); Munteanu, N. (RO); Chirilov, E. (MD); Cotenco, E. (MD); Iurea, R. (RO). **Process for cultivation of Apple Tree** (Procedeu de cultivare a marului).

**Patent MD (Agentia de Stat pentru Proprietate Intelectuala-AGEPI, Rep. Moldova), No. 383/31.01.2012**

Property Rights Owner: Institutul de Genetica si Fiziologia Plantelor al Academiei de Stiinte a Moldovei, Moldova

8. 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 plants (Procedeu de tratare extraradicalara a plantelor de tomate).

**Patent MD (Agentia de Stat pentru Proprietate Intelectuala-AGEPI, Rep. Moldova), No. 271/30.09.2010**

Property Rights Owner: Institutul de Genetica si Fiziologia Plantelor al Academiei de Stiinte a Moldovei, Moldova

7. 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. Process for cultivation of grapevine (Procedeu de cultivare a vitei de vie).

**Patent MD (Agentia de Stat pentru Proprietate Intelectuala-AGEPI, Rep. Moldova), No. 235/31.07.2010**

Property Rights Owner: Institutul de Genetica si Fiziologia Plantelor al Academiei de Stiinte a Moldovei, Moldova

6. Iurea, D. (RO); Chintea, P. (MD); **Mangalagiu, I.I.** (RO); Munteanu, N. (RO); Istrate, M. (RO); Cotenco, E. (MD); Iurea, R. (RO). Process for treatment of growing sweet pepper plants (Procedeu de tratare a plantelor de ardei gras).

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Property Rights Owner: Institutul de Genetica si Fiziologia Plantelor al Academiei de Stiinte a Moldovei, Moldova

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4. Săhleanu, V.; Sandu, I.; Bejan, D.; **Mangalagiu, I.**; Leniuc, V.(1995): Production of manganese nitrate concentrates or crystal suspensions (Procedeu pentru obtinerea cristalelor sau a solutiilor apoase, concentrate de azotat de mangan).

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Property Rights Owner: Politechnical Institute of Iasi, Romania

2. Sandu, I.; Cecal, Al.; Capra, A.S.; Cretu, C.; Pascu, M.; Angheluta, C.; Hulioana, I.; **Mangalagiu, I.**(1994): Multicomponent powder for surface alloying of parts during casting (Pulbere multicomponenta, pentru alierea superficiala a pieselor, in procesul de turnare).

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1. Sandu, I.; Dogaru, V.; Furnică, E.; **Mangalagiu, I.**; Agop, I.(19910: Fabrication of ceramic varistors (Procedeu de obtinere a varistorilor ceramici).

Romanian Patent no. 501/ **1991**. (Intreprinderea "Electroarges", Curtea de Arges, Rom.). CODEN: RUXXA3 RO 104904 B1 19940930 Patent written in Romanian. Application: RO 90-144862 19900420. Priority: . CAN 124:162371 AN 1996:133043 CAPLUS

Property Rights Owner: Electroarges Curtea de Arges Manufactory, Romania

## **Books**

### **International** (in English language, chapters):

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](https://www.novapublishers.com/catalog/product_info.php?products_id=10299)

[http://kvk.bibliothek.kit.edu/view-title/index.php?katalog=WORLDCAT&url=http%3A%2F%2Fwww.worldcat.org%2Ftitle%2F19-radiochemical-modifications-in-polymers-conclusion-polymer-solids-and-polymer-melts-introduction%2Foclc%2F5661156724%26referer%3Dbrief\\_results&signature=10-EsD02LkiOExNLG7z1y22Tza9QLinAh5zeyoHCmO0&showCoverImg=1](http://kvk.bibliothek.kit.edu/view-title/index.php?katalog=WORLDCAT&url=http%3A%2F%2Fwww.worldcat.org%2Ftitle%2F19-radiochemical-modifications-in-polymers-conclusion-polymer-solids-and-polymer-melts-introduction%2Foclc%2F5661156724%26referer%3Dbrief_results&signature=10-EsD02LkiOExNLG7z1y22Tza9QLinAh5zeyoHCmO0&showCoverImg=1)

461 de biblioteci

2. A. K. Haghi; G. E. Zaikov (Eds.), In: Modern Concepts in Nanotechnology Research, 2011, Pages 1-186, Publisher: Nova Science Publishers, Inc.; **ISBN**: 978-161761948-9.

Chapter 10- 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., Pages 145-156. **Republication.**

[http://kvk.bibliothek.kit.edu/view-title/index.php?katalog=WORLDCAT&url=http%3A%2F%2Fwww.worldcat.org%2Ftitle%2F19-radiochemical-modifications-in-polymers-conclusion-polymer-solids-and-polymer-melts-introduction%2Foclc%2F5661156724%26referer%3Dbrief\\_results&signature=10-EsD02LkiOExNLG7z1y22Tza9QLinAh5zeyoHCmO0&showCoverImg=1](http://kvk.bibliothek.kit.edu/view-title/index.php?katalog=WORLDCAT&url=http%3A%2F%2Fwww.worldcat.org%2Ftitle%2F19-radiochemical-modifications-in-polymers-conclusion-polymer-solids-and-polymer-melts-introduction%2Foclc%2F5661156724%26referer%3Dbrief_results&signature=10-EsD02LkiOExNLG7z1y22Tza9QLinAh5zeyoHCmO0&showCoverImg=1)

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3. Pradip K. Bhowmik (Ed), In: Current Advances in Chemistry and Biochemistry, 2021, Vol. 3, London / Kolkata. Publisher: Book Publisher International, **ISBN** 978-93-90768-93-6 (Print); **ISBN** 978-93-90768-91-2 (eBook); DOI: 10.9734/bpi/cacb/v3

**Chapter 02-** Microwave Assisted Reactions for Synthesis of Bioactive Azaheterocycles, by: R Danac, D Amariuca-Mantu, V Antoci, G Zbancioc, V Mangalagiu, **Ionel I. Mangalagiu**, **2021**, Vol. 3, pages 17-50. <https://doi.org/10.9734/bpi/cacb/v3/7477D>

4. Banik, K.B.; Banerjee, B. (Ed), In: Heterocyclic Anticancer Agents, **2022**, Berlin, Boston. Publisher: De Gruyter, Hardcover **ISBN**: 9783110739268, eBook **ISBN**: 9783110735772. <https://doi.org/10.1515/9783110735772>

**Chapter 6** - Fused pyrrolo-pyridines and pyrrolo-(iso)quinoline as anticancer agents, by: D. Amariuca-Mantu, V. Antoci, M. C. Sardaru, C. M. Al Matarneh, **Ionel I. Mangalagiu** and R. Danac, pp. 185-246.

5. Restrepo Baena, O.J. (Ed.), In: Chemistry and Biochemistry: Research Progress Vol. 1, **2025**, London / Kolkata. Publisher: Book Publisher International, **ISBN** 978-93-49238-76-3 (Print), **ISBN** 978-93-49238-38-1 (eBook), DOI: <https://doi.org/10.9734/bpi/cbrp/v1>

**Chapter 10** - Mangalagiu, V. ., Danac, R. ., Olaru, A.-M. ., Diaconu, D. ., & Mangalagiu, I. I. . (2025). Antimycobacterial Activity of Nitrogen Heterocycles Compounds with Indolizine Skeleton. *Chemistry and Biochemistry: Research Progress Vol. 1*, 160–188. <https://doi.org/10.9734/bpi/cbrp/v1/3855>

Mangalagiu, V. ., Danac, R. ., Olaru, A.-M. ., Diaconu, D. ., & Mangalagiu, I. I. . (2025). Antimycobacterial Activity of Nitrogen Heterocycles Compounds with Indolizine Skeleton. *Chemistry and Biochemistry: Research Progress Vol. 1*, 160–188. <https://doi.org/10.9734/bpi/cbrp/v1/3855>

**National** (in Romanian language):

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
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 generală”(276 pag.), Ed. Casa Editorială Demiurg, 2002, Iasi. ISBN: 973-8076-12-6
6. G. Drochioiu, **I. I. Mangalagiu**, I.Druta “Elemente de teorie și practică toxicologică”(151 pag.), Ed. Casa Editorială 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 și Analogi de sinteză” (170 pagini), Ed. Dosoitei, 2000, Iasi. ISBN: 973-9135-89-7
9. M. Petrovanu, M. Caprosu, **I. I. Mangalagiu**: "*Istoria Chimiei în România până în 1944*" (128 pagini), Ed. Universității "Al.I.Cuza" Iași, 1997. ISBN: 973-9149-99-5

**Curses:**

10. **I. I. Mangalagiu**: "*Relații între Structura Substanțelor și Activitatea Lor Biologică*" (180 pagini), Editura Universității "Al.I.Cuza" Iași, 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/>  
<https://ec2u.eu/ri4c2/work-package-6-knowledge-ecosystem/#rg2CU29IPiodCuhEKy7p>

### **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](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](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](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=4deab04771191ac336f18cffe876caa&wf=dDefault&wtk=382e6c617876db93b6f7129e144de720b42a5fdb&wtkps=lZFNbsMgEEbvjpxGX4N3bWq1E0kSz0BxtRGcRzH4Dpq1bsX0ypKIFUXSMPwHow+jAbQX0FTjYJv0GPQnGkE/clOdmFdy+YQOj4br5a6Yx+fUPo6yrOKXPktGP5u9qct0PZse8i2Rkvc92GtKdGorGtFS2spdY454aS0lmNqOMauNJyvXMIWlwWh0eHYzL0rDsYPxTgd28kcInGgIy06ggkuXONjltaJo4kuFL6ppqN3NlbPL4mh+SqNBM0ViHtw7ac2YYKULOPsAj2Z4HZmMK2b9EXYmRDddKcRqdf/eEh804xD9fZAJGFEEcFwf8SBoKotPCGEVAlxiDJ5ha78gErpaRQ/PcAp0+77bALqiTjHPIAyb/aEbiP5nVN+S9BKVOC3z8=&wchk=2d97765d1583a27c5ea12643030338c615628325](https://uefiscdi-direct.ro/index.php?&idPM=246284&we=4deab04771191ac336f18cffe876caa&wf=dDefault&wtk=382e6c617876db93b6f7129e144de720b42a5fdb&wtkps=lZFNbsMgEEbvjpxGX4N3bWq1E0kSz0BxtRGcRzH4Dpq1bsX0ypKIFUXSMPwHow+jAbQX0FTjYJv0GPQnGkE/clOdmFdy+YQOj4br5a6Yx+fUPo6yrOKXPktGP5u9qct0PZse8i2Rkvc92GtKdGorGtFS2spdY454aS0lmNqOMauNJyvXMIWlwWh0eHYzL0rDsYPxTgd28kcInGgIy06ggkuXONjltaJo4kuFL6ppqN3NlbPL4mh+SqNBM0ViHtw7ac2YYKULOPsAj2Z4HZmMK2b9EXYmRDddKcRqdf/eEh804xD9fZAJGFEEcFwf8SBoKotPCGEVAlxiDJ5ha78gErpaRQ/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: CEEEX (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: CEEEX (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: CEEEX (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

**1<sup>st</sup> year: 2006, cod 1155, theme 16. Budget:: 10.000,00 €**

**2<sup>nd</sup> year: 2007, cod 1155, theme 28. Budget: : 10.000,00 €**

**3<sup>rd</sup> 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

**1<sup>st</sup> year: 2003, cod 1322, theme 13. Budget: : 2.000,00 €**

**2<sup>nd</sup> year: 2004, cod 1322, theme 20. Budget: : 3.000,00 €**

**3<sup>rd</sup> 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 inserției pe piața muncii a absolvenților de chimie “,**

Value: 2,166,413.76 lei

Duration: 2014-2015

Function: long term expert

**2. POSDRU 159/1.5/S/137750: Programe doctorale și postdoctorale - suport pentru creșterea competitivității cercetării în domeniul Științelor exacte**

Value: 9,626,463.00 lei

Duration: 2014-2015

Function: long term expert

**3. POSDRU 159/1.5/S/133652: Sistem integrat de îmbunătățire a calității cercetării doctorale și postdoctorale din România și de promovare a rolului științei în societate****Value: 9,767,647.60 lei**

Duration: 2014-2015

Function: short term expert

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