

LISTA LUCRĂRILOR

Dr. chim. Aurelia VIȘA (PASCARIU)

A. TEZA DE DOCTORAT

În anul 2005 am susținut teza de doctorat la Institutul de Chimie Timișoara al Academiei Române; titlul tezei de doctorat: „Studiul mecanismului și a stereochemiei în sinteza unor compuși cu dublă legătură „carbon-carbon” prin intermediul compușilor fosforului” conducător științific Prof. dr. Mircea Mracec (diplomă Nr. 599 din 30.11.2006, emisă în baza Ordinului Ministrului Educației și Cercetării nr. 4871 din 07.08.2006).

B. CĂRȚI ȘI CAPITOLE DE CARTE

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**C. LUCRĂRI ȘTIINȚIFICE PUBLICATE ÎN REVISTE CU FACTOR DE IMPACT
-ordine cronologică-**

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D. GRANTURI

D.1.Internațională

a) Director de proiect

1. Proiect IUPAC, Nr. 2007-035-1-300, *Translation in Romanian and dissemination of a monograph for universities and secondary schools on „Global Climate Change”*, 12 luni,
2. Proiect IUPAC, Nr. 2020-014-3-050, *Systems Thinking in Chemistry for Sustainability: Toward 2030 and Beyond (STCS 2030+)*, 48 luni
3. Proiect IUPAC, Nr. 2021-014-1-041 *Summer School on Green Chemistry 2021*, 6 luni,

b) Membru în echipa de cercetare

4. Proiect IUPAC, Nr. 2020-011-2-041, *Assessment of the Contribution of IUPAC Projects to the Achievement of the United Nations Sustainable Development Goals*, 24 luni
5. Proiect IUPAC, Nr. 2022-017-3-041, *Green Chemistry impact toward 2050 Green Deal in Chemistry and Sustainability*, 12 luni
6. Proiect IUPAC, Nr. 2022-021-2-041, *Cross-Disciplinary Goals of Green Chemistry and the Basics Sciences for Sustainable Development*, 24 luni
7. **FP5-** Grant european de excelență Marie Curie pentru mobilitatea cercetătorilor în cadrul UE - Marie Curie Excellence Grant, Denumire proiect: *Nuclear Magnetic Resonance in Organic Chemistry*, Durata contractului:12 luni, 2003-2004

D.2 Naționale

c) Director Proiect

1. Proiect PN-II-RU-TE-2011-3-0092, Contract nr. 81/05.10.2011, *Rețele metal organice fosfonice: complexitatea si diversitate structurilor si a aplicațiilor acestora*, 36 luni, **165 700 €**, <http://acad-icht.tm.edu.ro/en/granturi/visa81.htm>.
2. Proiect PN-II-RU-TE-2014-4-1398, *Influența proprietăților fizico-chimice si structurale asupra activității catalitice a rețelilor metal organice fosfonice cu impact, asupra mediului* Contract nr. 56/01.10.2015, 24 luni, **124 000 €**, Project manager, <http://acad-icht.tm.edu.ro/en/granturi/PHOSPHONATE-MOF.html>
3. Proiect PN-III-P1-1.1-TE-2016-2008, *Indepartarea poluantilor din apele reziduale cu ajutorul rețelilor metal organice conventionale si ceconventionale fosfonice*, Contract No 18/02.05.2018, 29 luni, **100 000 €**, Project manager, <http://acad-icht.tm.edu.ro/en/granturi>
4. Proiect **PN-III-P1-1.1-MC-2018-1422**, **Contract nr:** 641/16.10.2018, *Proiect de mobilitate pentru cercetatori – stagiu de cercetare la Universitatea Malaga*, 18-26 iunie 2018, Malaga, Spania, **1900€**
5. Proiect **PN-III-P1-1.1-MC-2019-0669**, Contract nr: 168/17.10.2019, *Proiect de mobilitate pentru cercetători- participare conferința științifică*, 12th International Conference on Advanced Nanomaterials, Aveiro, 16-19 Iulie 2019, **1490€**
6. Proiect PN-III-P4-PCE-2021-0089, *Metal Organic Frameworks: from GREEN Synthesis to GREEN Applications*, Contract No PCE24/2022, 32 luni, **250 000 €**, Project manager, https://acad-icht.tm.edu.ro/wp/?page_id=345

d) Membru în echipa de cercetare

- 1 Grant CNCSIS tip A Nr.40223/2003, 32826/2004, Denumirea proiectului: *Sinteze în fază solidă privind obținerea unor polimeri funcționalizați cu grupări pendante conținând fosfor și aplicabilitatea lor în diverse domenii ca reactivi polimerici, catalizatori și agenți antibacterieni policationici*, Durata contractului 2003-2004
- 2 Contract MATNANTECH NR. 82/2006, Denumirea proiectului: *Hibridi organici-anorganici cu proprietăți speciale pe bază de compuși organofosforici*, Durata contractului: 2006-2008
- 3 Contract MATNANTECH Nr. 50/2006, Denumirea proiectului: *Materiale hibride obținute prin grefarea complexilor metalici pe suporti funcționalizați și aplicațiile lor în oxidări biomimetice*, Durata contractului: 2006-2008
- 4 Contract MATNANTECH Nr. 87/2006, Denumirea proiectului: *Nanomateriale UV fotoreticulabile, multifuncționale cu proprietăți speciale pentru aplicații decorative și dentare*, Durata contractului: 2006-2008
- 5 Contractul MENER Nr. 633/03.10.2005, Denumirea proiectului: *Comportarea termică a materialelor cu impact asupra mediului*, Durata contractului 2005-2007
- 6 Grant CNCSIS tip A, Cod 1265/2007, Denumirea proiectului: *Chimia, evaluarea proprietăților de degradabilitate și inflamabilitate a poli(fosfoesterilor) și utilizarea lor în formulare de materiale bioactive*, Durata contractului 2007-2008

- 7 Contract PN II, Nr.: D1 10055/14 Sept. 2007, Denumirea proiectului: *Senzori și microsenzori bazați pe porfirine pentru analiza compușilor farmaceutici, a compușilor de importanță clinică și a alimentelor*, Durata contractului 2007-2010
- 8 Contract PN II Nr. 71-094/2007, Denumirea proiectului: *Materiale hibride nanostructurate pentru senzori cu potențial de utilizare în terapie și diagnostic*, Durata contractului 2007-2010
- 9 Contract PNII nr. 94/2008, Modul III Capacități, Proiect bilateral România-Africa de Sud Denumirea proiectului: *Polimeri organici ai acidului vinilfosfonic utilizați ca schimbători de ioni în cromatografie*, Durata: 2 ani și 2 luni (2008-2011)
- 10 Contract PN II nr. 192/08.04.2009, Modulul III Capacități, Proiect bilateral România- R.P. China, Denumirea proiectului: *Prepararea rășinilor chelate conținând fosfor și aplicațiile lor în protecția mediului și hidrometalurgie*, Durata: 1 ani și 7 luni (2009-2011)
- 11 Contract CNC SIS PN II 1894, CONTRACT DE FINANTARE NR. 518/20.02.2009 (derulat numai în 2009), Denumirea proiectului: *Studiul influenței heteroatomilor din (hetero)fulerene asupra stării aromatice și a unor proprietăți fizicochimice ale (hetero)fulerenelor și asupra efectelor lor biologice*, Durata: 12 luni, an 2009

E. ȘCOLI DE VARĂ, BURSE, INVITAȚII – finanțate de organizatori

- 2001 -*Fourth Postgraduate Summer School on Green Chemistry*, Venice, 10-15 September- **NATO grant**
- 2002 -*The Fifth International Symposium on Functional π Electron System*, Germania, Ulm, 30 May-4 June-**IUPAC grant**
-*Molecular Design and Computer Assisted Combinatorial Chemistry*, Italy, Trieste, 1-5 July **ICS-UNIDO grant**
-*Ischia Advanced School of Organic Chemistry*, Italy, Ischia, 21-26 September - **Italian Chemical Society grant**
- 2003 -39th IUPAC Congress and 86th Conference of the Canadian Society for Chemistry, Ottawa, Canada, 10-15 August -**IUPAC grant**
- 2004 -*Ischia Advanced School of Organic Chemistry*, Italy, 18-23 September - **Italian Chemical Society grant**
- 2006 - *Third Humboldt Conference on Computational Chemistry*, Varna, Bulgaria, 24-28 June- **Humboldt fellowship**
- *First International IUPAC Conference on Green-Sustainable Chemistry*, Dresda, Germany, 10-15 September - **IUPAC grant**
- *New Organic Reactions and Methodologies for Green Production*, Lecce, Italy, 29 October - 11 November - **NATO grant**
- 2007 - *Complexing Agents between Science, Industry, Authorities and Users*, Monte Verità, Ascona, Switzerland, 11-16 March, 2007- **Swiss National Science Foundation grant**
- 41st IUPAC Congress, August 5-11, Torino, Italy-**IUPAC grant**
- 44th **IUPAC GENERAL ASSEMBLY**, 4-12 August, Torino, Italy – **IUPAC Young Observer**
- 2011 - Workshop Customs 2013 “Chemical names and their translation”, Brussels, 17-18 Noiembrie 2011- **Comisia Europeana, Programul Custom 2013, Taxation and Customs Union Directorate General.**

2015 IUPAC 48th General Assembly and 45th World Chemistry Congress (IUPAC-2015), Busan, Korea, August 9-14, 2015 -**IUPAC grant**

F. PREZENTĂRI ORALE LA CONFRINTE NAȚIONALE ȘI INTERNAȚIONALE

1. **Visa A.**, Maranescu B., Iosivoni M., Plesu N., Popa A., Lupa L., Green synthesis and applications of ionic liquids-modified metal organic frameworks composite materials, 10th International Conference on Green Chemistry, 18-22 octombrie 2024, p. 42-43, **invited keynote speaker (25 min)**
2. **Visa A.**, Maranescu B., Iosivoni M., Plesu N., Lupa L., Green synthesis and applications of metal(II) coordination polymers based on bisphosphonates and imidazole ligands, CoFRO - Coordination Chemistry between France and Romania, 15-16 Mai 2024, Rennes, Franta, OC17, p. 35 (20 min)
3. **Visa A.**, Green and environmentally friendly approaches for Metal Organic Frameworks synthesis and applications, 16th Green Chemistry Summer School, 30 iunie- 5 iulie 2024, Venetia, Italia, **invited speaker (45 min)**
4. **Visa A.**, Synthesis of Functional Materials and their Application in Green Chemistry and Environment, Institute of Chemistry, Chinese Academy of Science (ICCAS), 11 octombrie 2024, **invited speaker (45 min)**
5. **Visa A.**, Maranescu B., Plesu N., Lupa L., Greener alternatives for phosphonate Metal Organic Frameworks synthesis, Smart Diaspora 2023, 10-13 Aprilie 2023, Timisoara, Romania, O-26 (20 min)
6. **Visa A.**, Maranescu B., Lupa L., Metal(II) coordination polymers based on bisphosphonates or mixed imidazole ligands and bisphosphonates: green syntheses and applications, 8th International Workshop of Materials Physics, Book of Abstracts, 17-19 Mai 2023, Magurele, Romania, O-10, pag. 32 (20 min)
7. **Visa A.**, Greener Alternatives for Phosphonate Metal-Organic Frameworks Synthesis and Applications, 15th Green Chemistry Postgraduate Summer School, 2-7 Iulie 2023, Venetia, Italia **invited speaker (30 min)**
8. **Visa A.**, Metal organic frameworks: complexity and diversity in structures and green applications, 14th Green Chemistry Postgraduate Summer School, 3-9 Iulie 2022, Venetia, Italia **conferinta invitata (45 min)**
9. **Visa A.**, Iosivoni M., Maranescu B., Lupa L., Green Alternative Approaches to the Synthesis of Metal Organic Frameworks, 4th International Conference on Phosphonate Chemistry, Science and Technology, ICOPHOS-4, 2-4 of October 2023, Heraklion, Crete, Greece, Lecture Lecture 4 (20 min)
10. **Visa A.**, Maranescu B., Popa A., Lupa L., Metal organic frameworks: from green synthesis to green applications, Conferința Națională de Chimie, Editia XXXXVI, 4-7 Octombrie 2022, Calimanesti-Caciulta, Romania -(15 min)
11. **Visa A.**, Maranescu B., Lupa L., Ionic Liquids-modified Metal Organic Frameworks: Preparation and Application in Adsorption, 9th IUPAC International Conference on Green Chemistry (9th ICGC), 5-9 September 2022, Athens, Greece O-144 (15 min)
12. **Visa A.**, Multifunctional organic, hybrid, and polymeric compounds with controlled properties and applications, EU-OPENSREEN DRIVE Workshop "Medicinal Chemistry in Drug Discovery, New Therapeutical Approaches", 19 Octombrie 2022, Timisoara (15 min)

13. **Visa A.**, Challenges in sustainable chemistry for developing perspectives on education, the environment, and health, BeHEALTH2022, 25-27 Octombrie **2022**, Online (10 min)
14. **A. Visa**, B. Maranescu, L. Lupa, Synthetic parameters influence on adsorption properties of metal organic frameworks based on phosphonates, Advanced Functional Materials Spectroscopy & Electrochemistry Congress, 24-27 March **2019**, Stockholm, Suedia
15. **A. Visa**, Phosphonate Metal Organic Frameworks with N-donor Auxiliary Ligands: Diversity and Complexity in Structure and Applications *12th International Conference on Advanced Nanomaterials*, 17-19 July **2019**, Aveiro, Portugal
16. **A. Visa**, B. Maranescu, L. Lupa, Synthesis, Characterization and Rare Earth Elements Adsorption Properties of Phosphonate Metal Organic Frameworks, *11th International Conference on Advanced Nanomaterials*, 18-20 July **2018**, Aveiro, Portugal
17. **A. Visa** - invited talk, University Malaga, Spain, Phosphonate metal organic frameworks, from synthesis to applications, June **2018**
18. **A. Visa**, B. Maranescu, L. Lupa, A. Bucur, Phosphonate metal organic frameworks: from synthesis to applications, Proceedings of the 9th Symposium New Trends and Strategies in the Chemistry of Advanced Materials, Timisoara, Romania, 9-10 iunie **2016**, p.19
19. B. Maranescu, L. Lupa, **A. Visa**, Impressive diversity of applications for phosphonate metal organic frameworks, 16th IUPAC Conference Polymer Organic Chemistry, 13-16 June **2016**, Hersonissos, Crete, Greece, OR 31
20. **A. Visa**, B. Maranescu, R. Grama, A. Gabor, Phosphonate metal organic frameworks as efficient heterogeneous catalyst, 6th EuCheMS Chemistry Congress, Seville, Spain, 11-16 September **2016**, No. 938
21. **A. Visa** -invited talk, University Leipzig, Germany, Phosphonate divalent metal organic framework. Synthesis and structural analysis, 03 September **2014**
22. **A. Visa -Invited talk**, University Ca' Foscari, Venice, Italy, Phosphonate metal organic frameworks: complexity and diversity in structures and applications, October **2013**
23. **Visa A.**, Maranescu B., Bucur A., Synthesis and structural analysis of phosphonate divalent metal organic framework, The 6th Symposium New Trends and Strategies in the Chemistry of Advanced Materials, Timisoara, Romania, 8-9 noiembrie, **2012**, O21

G. PREMII

2007 IUPAC YOUNG OBSERVER AWARD - la cea de-a 44-a ADUNARE GENERALĂ IUPAC, 4-12 august 2007, la Torino, Italia, unul dintre cei 17 cercetători din întreaga lume (6 SUA, 6 Marea Britanie, 1 Mauritius, 1 Polonia, 1 Canada, 1 România, 1 Rusia): <http://old.iupac.org/general/Young-Observer/past-participants.html>

2019 Medalia de aur pentru proiect inovativ - oferită de EUROINVENT - European Exhibition of Creativity and Innovation- Iași, 2019, România

2019 Medalia de argint pentru proiect inovativ - oferită de EUROINVENT - European Exhibition of Creativity and Innovation Iași, 2019, România

2019 Medalia de bronz pentru proiect inovativ - oferită de EUROINVENT - European Exhibition of Creativity and Innovation- Iași, 2019, România

H. AFILIERI

1. Membru IUPAC din 2005 și membru asociat în Comitetul IUPAC pentru chimie verde (2007-2016), membru asociat în IUPAC- ICGCSD (2020-2021; 2022-2023; 2024-2025) <https://iupac.org/member/aurelia-pascariu/>
2. Membru al Societății Române de Chimie din 2004

I. LINK-URI/ PAGINIWEB PERSONALE

ORCID: <https://orcid.org/0000-0003-4968-4709>

PUBLON: <https://publons.com/researcher/1746496/aurelia-visa/>

IUPAC: <https://iupac.org/member/aurelia-pascariu/>

GOOGLESCHOLAR: <https://scholar.google.com/citations?user=NahpPCEAAAAJ&hl=en>

RESEARCH GATE: https://www.researchgate.net/profile/Aurelia_Visa

 Aurelia VISA ✓ (Visa, Aurelia) Institute of Chemistry "Coriolan Dragulescu"		Profile summary	
Identifiers Web of Science ResearcherID: E-9810-2010 https://orcid.org/0000-0003-4968-4709		85 Total documents	
Published names ⓘ Visa, Aurelia Pascariu, A Pascariu, Aurelia Pascariu, A. Visa (Pascariu), Aurelia Show more ▼		85 Publications indexed in Web of Science	
Organizations ⓘ Institute of Chemistry, Timisoara Romanian Academy Coriolan Dragulescu Inst Chem		85 Web of Science Core Collection publications	
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		0 Dissertations or Theses	
		0 Non-indexed publications	
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		0 Verified editor records	
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18 H-Index		85 Publications	
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1 Sum of Times Cited by Patents		1 Citing Patents	

Timisoara
31.03.2025

Semnătura,
Dr. chim. Aurelia Visa

