

Curriculum vitae Europass



Informații personale

Nume / Prenume **Făgădar-Cosma Eugenia-Lenuța**
 Adresă(e) Timișoara
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 Naționalitate(-ități) romana
 Data nașterii 07.07.1957
 Sex F

Locul de muncă Institutul de Chimie „Coriolan Dragulescu” Bd. Mihai Viteazul Nr. 24, 300223-Timisoara, Romania

Experiența profesională

Perioada **2008-prezent CONDUCATOR DE DOCTORAT**
 Funcția sau postul ocupat **CONDUCATOR DE DOCTORAT** (Ordinul Ministrului Educației, Cercetării și Tineretului nr. 5842/04.11.2008)
 Domeniul: **Chimie**
 Numele și adresa angajatorului I.O.D.: Academia Romana

Perioada **2008 septembrie-2014 decembrie**
 Funcția sau postul ocupat **Sef Sectie Chimie Organica** (Academia Română, Nr. 4424/10.09.2008, Decizia Nr. 14/02.10.2008)
 Activități și responsabilități principale Coordonare activitate cercetare-dezvoltare Sectia Chimie Organica (Program cercetare Nr. 2)
 Numele și adresa angajatorului Institutul de Chimie Timisoara al Academiei Romane, Bd. Mihai Viteazul Nr. 24, 300223-Timisoara, Romania

Perioada **2005- prezent**
 Funcția sau postul ocupat **Cercetător științific principal gradul I** (Ordinul Ministrului Educației și Cercetării 5693/19.12.2005)
 Activități și responsabilități principale Coordonator Program Chimie Organica – Porfirine
 Numele și adresa angajatorului Institutul de Chimie Timisoara al Academiei Romane, Bd. Mihai Viteazul Nr. 24, 300223-Timisoara, Romania
 Tipul activității sau sectorul de activitate Cercetare

Perioada **2002-2007** in paralel cu activitatea de cercetare
 Funcția sau postul ocupat **Conferențiar universitar**, confirmat prin Ordin al Ministrului Educației și Cercetării nr. 3571/19.04.2002
 Activități și responsabilități principale Curs și coordonare Masterate și activități practice la disciplinele „Chimie generală”
 Numele și adresa angajatorului Universitatea de Vest Timisoara, Facultatea Chimie Biologie Geografie, Str. Pestalozzi 16, 300115 Timisoara
 Universitatea Politehnica Timisoara, Bv. Vasile Parvan, Nr. 6, 300223, Timisoara

Tipul activității sau sectorul de activitate Activitate didactica-Invatamant universitar



Perioada	1998 - 2005
Funcția sau postul ocupat	Cercetător științific principal gradul II
Activități și responsabilități principale	Coordonator program si Proiect cercetare in Sectia de Chimie Organica
Numele și adresa angajatorului	Institutul de Chimie Timisoara al Academiei Romane, Bd. Mihai Viteazul Nr. 24, 300223-Timisoara, Romania
Perioada	1990 - 1998
Funcția sau postul ocupat	Cercetător științific principal gradul III
Activități și responsabilități principale	Coordonator Proiecte de cercetare in Secția de compuși elementorganici
Numele și adresa angajatorului	Institutul de Chimie Timisoara al Academiei Romane, Bd. Mihai Viteazul Nr. 24, 300223-Timisoara, Romania
Perioada	1985 - 1990
Funcția sau postul ocupat	Cercetător științific
Activități și responsabilități principale	Responsabil cu teme de cercetare in Secția de compuși elementorganici
Numele și adresa angajatorului	Institutul de Chimie Timisoara al Academiei Romane, Bd. Mihai Viteazul Nr. 24, 300223-Timisoara, Romania
Perioada	1983-1985
Funcția sau postul ocupat	Inginer chimist, Repartizată pentru cercetare la Centrul de Chimie- Timișoara conform Dispoziției Guvernamentale de Repartizare nr. 2501204 din 1981
Numele și adresa angajatorului	Centrul de Chimie Timisoara, Bd. Mihai Viteazul Nr. 24, 300223-Timisoara, Romania
Perioada	1981-1983
Funcția sau postul ocupat	Inginer chimist stagiar
Responsabilități principale	Planificarea si urmarirea productiei
Numele și adresa angajatorului	Intreprinderea de Nasturi și Mase Plastice Jimbolia
Educatie si specializari	
Perioada	1990-1997
Calificarea / diploma obținută	Doctor in chimie
Disciplinele principale studiate / competențe profesionale dobândite	Chimie
Numele și tipul instituției de învățământ / furnizorului de formare	Institutului Politehnic "Traian Vuia" din Timișoara
Nivelul în clasificarea națională sau internațională	ISCED 6
Perioada	1976 - 1981
Calificarea / diploma obținută	Diploma de licenta in inginerie chimica
Disciplinele principale studiate / competențe profesionale dobândite	Chimie Chimie organica; chimie analitica si instrumentala; chimie-fizica; electrochimie;
Numele și tipul instituției de învățământ / furnizorului de formare	Facultatea de Tehnologie Chimică a Institutului Politehnic "Traian Vuia" din Timișoara, secția Tehnologie Chimică Organică
Nivelul în clasificarea națională sau internațională	ISCED 6

Aptitudini și competențe personale

Limba(i) maternă(e)

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european (*)

Limba Engleza

Limba Franceza

Romana

Engleza, Franceza

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C1	avansat	C1	avansat	C1	avansat	C1	avansat	C1	avansat
B2	mediu	B2	mediu	B1	mediu	B2	mediu	B1	mediu

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

Competențe și abilități sociale

Bun organizator și comunicator în activități de cercetare și educație; spirit activ și creativ.

Competențe și aptitudini organizatorice

Coordonator și Manager de calitate pentru activități de cercetare în cadrul proiectelor de cercetare europene și naționale.

Director, chairman sau membru în comitete științifice la evenimente științifice internaționale de anvergură.

Competențe și aptitudini tehnice

Aptitudini tehnice adecvate specializării în sinteza organică și caracterizarea prin metode fizico-chimice: metode spectrofotometrice și microscopie.

Competențe și aptitudini de utilizare a calculatorului

Editare materiale, desene, grafică, internet (Windows and Microsoft Office).

Permis(e) de conducere

Sunt posesoare a carnetului de conducere categoria B din 1996.

Informații suplimentare

Pagina web **Researcher ID** Dr. Eugenia Fagadar-Cosma, <http://www.researcherid.com/rid/F-7215-2010>

ISI web of Knowledge:

http://apps.webofknowledge.com/summary.do?product=UA&parentProduct=UA&search_mode=CitationReport&parentQid=1&qid=2&SID=Y1hltbx6s23kKNDmRy&&page=1

ResearchGate: https://www.researchgate.net/profile/Eugenia_Fagadar-Cosma/info

Mendeley: https://www.mendeley.com/stats/author?dgcid=raven_md_stats_email&event_id=144115188205312489

ORCID ID <https://orcid.org/0000-0001-5668-709X>

Scopus Author ID: 55664983100; <https://www.scopus.com/authid/detail.uri?authorId=55664983100>

BRAINMAP UEFISCDI ID (UEF-ID): U-1700-033J-5496

Activitatea științifică în domeniu

- **Scientific Activity:** H=24-Google scholar; H=22-PUBLONS, ISI web of Knowledge, Scopus, Research Gate, 1488 citations

450 lucrări publicate (peste **300** *in extenso*), după cum urmează:

- 1 teză de doctorat
- 8 cărți cu ISBN (la trei prim autor, la una autor + editor coordonator)
- 4 capitole carte (în Serii Academice în străinătate)
- **Editor invitat** al jurnalului **The Open Chemical and Biomedical Methods Journal**, Volume 2, 2009, p. 72-116, **Hot Topic:** Structured Nanomaterials - Synthesis, Characterization and Biomedical Application
- **Editor volum Workshop International:** *Insights into Novel Solid Materials, their Recyclability and Integration into Li Polymer Batteries for EVs. Future research directions in this field*
- **Chief Guest Editor 2020-2021** jurnal ISI-Q1 (FI=3.18), **CHEMOSENSORS, Special Issue Detection of Analytes with Medical Relevance Using Porphyrins and/or Graphene- Based Materials**
- **Peste 320** lucrări publicate *in extenso* în reviste recunoscute, după cum urmează:
 - 133 lucrări în jurnale ISI
 - 12 publicații ISI Proceedings
 - 59 reviste cu referenți recunoscute

- 82 lucrări *in extenso* în volume cu ISBN la manifestări internaționale
- 21 lucrări *in extenso* în volume cu ISBN la manifestări naționale
- 10 brevete de invenție OSIM (la 2 unic autor)
- 49 Conferințe invitate (45 susținute la manifestări internaționale); Director WS International, SOMABAT, Chairman 9 Conferințe Internaționale

• **Director și Responsabil la Proiecte din cadrul programelor internaționale/ naționale:**

- 2020-2022 Coordonator Partener ICT - Proiect PED –CeraPorCor 528/2020
 - 2018-2021 Director Proiect 2 -76/PCCDI/2018 –ECOTECH-GMP- Future and Emerging Technologies PCCDI ECOTECH-GMP 76/2018 (1400000 lei)
 - 2017-2018 Coordonator ICT –Proiect PNIII-PED –CorOxiPor-107PED/2017
 - Quality Manager of FP7 Collaborative Project –SOMABAT (Valoare 5 040 127 EUR)
 - 2011-2013 Coordonator al grupului de cercetare român al ICT pentru Proiectul FP7 - SOMABAT - 266090 GA-No.NMP3-SL-2010-266090 (APEL: FP7-2010-GC-ELECTROCHEMICAL-STORAGE)-342642 EUR ICT.
 - 2011-2013 Director Proiect Modul III-SOMABAT Nr. 128EU/28 iunie 2011
 - 2013-2016 Responsabil Proiect EUROPEAN STAR-SAFEAIR-76/29. 11.2013
 - 2012/2013 Co-manager Proiect CEI, 1202.161-13/20 iulie 2012
 - 2008-2010 Responsabil EC FP6 Research Infrastructure action - Integrated Infrastructure Initiative - Contract RII3-026145/15.12.2008
 - 2004-2006 Responsabil Program PNCDI-INDAL-Nr. 5451;
 - 2006-2008 Responsabil Coordonator Program CEEX-MATNANTECH-; Nr. 48/26.07. 2006
 - 2007-2008 Responsabil Program CEEX-CERES; 2CEX 06-11.57/2006
 - 2009-2012 Responsabil Planul Național de Cercetare, Dezvoltare și Inovare II PN II Nr. Contract: 976/2009
 - Responsabil la 5 Contracte de cercetare 1984-1988
 - Responsabil Schimb interacademic cu Institutul de Chimie-Chisinau al Academiei de Științe al Republicii Moldova (2005-2008)
 - Responsabil la o Colaborare Bilaterală cu Faculty of Pharmacy, Collegium Medicum, Nicolaus Copernicus University, Bydgoszcz, POLAND, Group PhD, DSc Grzegorz BAZYLAK (Department of Pharmaco-Bromatology & Molecular Nutrition) perioada : 2007-2010
 - Responsabil Colaborare Schimb Interacademic cu *Institution of Russian Academy of Sciences, Institute of Macromolecular Compounds Russian Academy of Sciences, Saint-Petersburg, RUSSIA*
 - Responsabil Colaborare internațională cu *The Fundació Institut Català d'Investigació Química (Spania)*
- Colaborator la Proiecte din cadrul programelor naționale/ internaționale:**
- 5 Grant-uri MCT (2 ANSTI și 3 CNCSIS)
 - 3 Programe Naționale: patru Programe Nucleu-2006, 2007 și 2008 și un Proiect CEEX-Modul III
 - Colaborator la PN II- Program CAPACITATI-Modul III, COOPERARE BILATERALĂ JOINT RESEARCH PROJECT PROPOSAL cu *INSTITUTE OF EXPERIMENTAL PATHOLOGY AND PARASITOLOGY, BULGARIAN ACADEMY OF SCIENCE (2008-2009)*

Chairman & Membru în Comitetele științifice ale Conferințelor Internaționale:

- 2021-Chairman International Asian Congress on Contemporary Sciences, Iunie 1-2, Ankara-Baku, 2021, p. 19
- 2020- Membru IPC of *SEIA 2020, 6th International Conference on Sensors and Electronic Instrumentation Advances* (SEIA' 2020), 23-25 September 2020, Porto, Portugal, <https://seia-conference.com>
- 2019-Membra a *IEEE Sensors Council, IEEE SENSORS 2019* –conference –Montreal, Canada , October 27 to 30, 2019, Member of technical program committee for IEEE SENSORS 2019
- 2019- Chair IC-MAST-International Conference on Materials and Applications for Sensors and Transducers - September 02-05, 2019, Bratislava, Slovakia
- 2018 Chair-section *4th European Chemistry Congress*, May 11-13, 2018, Barcelona, Spain
- 2018 Chairperson *International Conference on Materials and Applications for Sensors and Transducers* - September 24-27, 2018, Bratislava, Slovakia
- *2016 International Conference on Material Science, Energy Engineering & Sustainable Development (ICMES 2016)*, April 9-10, 2016, Hangzhou, China
- 2015 International Conference on Sensors Engineering and Electronics Instrumental Advances (SEIA' 2015) In conjunction with: 1st International Workshop on Recent Advances on Electrical, Sensors and Transducers Equipments, 21-22 November 2015, Dubai, UAE

- **2012 Advanced Workshop on Solar Energy Conversion**, (organized by UNESCO Chair on Sustainable Development) Topics on Photovoltaics and Batteries, 21-23 May 2012, Bucharest, Romania, Book of Abstracts, Publishing House IFIN-HH, 10-11
- **2012 Director of Advanced workshop: Insights into Novel Solid Materials, their Recyclability and Integration into Li Polymer Batteries for EVs. Future research directions in this field.** Timisoara, July 4-5, 2012 <http://www.SOMABAT.com>
- **2010 Chairperson of Nano for Environment : International Conference on Nanomaterials Synthesis, Characterization and Applications**, Mahatma Gandhi University, Centre for Nanoscience and Nanotechnology, Kottayam, Kerala, India, 27, 28, 29 April, 2010, Section Organic/Inorganic Hybrid Nanomaterials, <http://www.nanomaterials.macromol.in>
- **Symposium with International Participation - New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection**, Timișoara, ROMÂNIA, From 1st Edition, Timisoara, 2007 to 15th Edition, Timisoara, 2019.

Membru de onoare Senior Editor: Chemical Sensors, Section: New Materials Developments Academic Publishers
Website: www.simplex-academic-publishers.com

Premii la concursuri științifice internaționale și naționale
***27 premii obținute prin proces de selecție

1986: Premiul I pentru lucrarea Sinteze de diclorofosfine aromatice. Simpozionul-concurs național -MEC "Valori științifice și tehnice actuale și de perspectivă", Roman, 23-25 iul. 1986.

2007: Premiul I-acordat de catre Programul MATNANTECH - pentru coordonare tineri cercetatori- in cadrul Proiectului 48/2006, MAVOPEL

2008: Diploma de Excelenta si Medalia de Aur la SALONUL INTERNATIONAL DE INVENTICA- PRO INVENT editia a VI-a, 2008, Cluj-Napoca, pentru cererea de brevet Senzor Potențimetric Nitrit – Selectiv, (cerere înregistrată la O.S.I.M., București, România, NR.A/00190/23.03.2006)

2008: Premiul II ANCS-anul 2008, pentru proiecte de cercetare-dezvoltare, Domeniul prioritar: Materiale, procese si produse inovative, 08 octombrie 2008, Sala Titulescu a Centrului de conferințe de la Romexpo, Bucuresti, pentru PROGRAMUL MATNANTECH, CONTRACT : 48/26.07. 2006, Nanocompozite multifunctionale pe baza de arhitecturi supramoleculare cu proprietati optoelectronice, fotochimice, electrochimice si biologice-precursori pentru materiale avansate, MAVOPEL,

2008: Diploma de excelenta si Medalia de aur la al II-lea Congres National al Cercetatorilor si Inventatorilor din Romania CNCIR, cu participare internationala, Bucuresti, 11-12 decembrie 2008, site CNCIR, pentru inventia si lucrarea:

1. Fagadar-Cosma E, Vascici D, Pica E, Costisor O, Cosma V, Olenic L, Bizerea O, Procedeu de realizare a unui senzor potenciometric pe baza de ionofor porfirinic cu selectivitate inalta pentru argint, CERERE Brevet de inventie OSIM, august 2008, A/00364/18.08.2008

2. Fagadar-Cosma E., Cseh L., Badea V., Fagadar-Cosma G., Vascici D., Combinatorial synthesis and characterization of new asymmetric porphyrins as potential photosensitizers in photodynamic therapy, *Combinatorial Chemistry & High Throughput Screening*, 2007, 10(6), 466-472, ISSN: 1386-2073, **FI=2.551**

2009: Medalia de aur si Premiul special ARCA al Uniunii Inventatorilor din Croatia la a 37-a Expozitie Internationala a Inventiilor, Noi tehnici si Produse, Geneva, 1-5 aprilie 2009 si **Medalia de aur si Premiul Special al Federatiei Poloneze a Asociatiei Inginerilor - NOT®** la 3rd International Warsaw Invention & Innovation Show IWIS 2009, Varsovia, Polonia, 1-3 iunie 2009, pentru cererea de inventie Procedure for construction of stochastic sensors based on porphyrins and diamond or graphite paste for the determination of ascorbic acid at molecular level, Cerere înregistrată la OSIM, nr.A/00898/17.11.2008,

2009: Medalia de aur si Diplomele de excelenta ale Societatii Romane a Inventatorilor si a Universitatii Tehnice din Moldova, la Salonul International PRO INVENT, editia a VII-a, 2009, 22-26 martie 2009, Cluj-Napoca,

2011: Medalie de Aur, la The XV-th International Exhibition of Inventions, Research and Technological Transfer INVENTICA 2011, and the XV-th International Conference of Inventions, Iasi, June 8 th - 10 th

2013: Medalie de aur la EUROINVENT, European Exhibition of Creativity and Innovation 2013, Iasi, Mai 2013 pentru inventia Procedeu de realizare a unui senzor potenciometric pe baza de ionofor porfirinic cu selectivitate inalta pentru argint, Cerere Brevet de inventie OSIM, august 2008, A/00364/18.08.2008

2013:Diplomă și Medalia de aur si Medalia salonului INFOINVENT Patent no. RO 123.447/30.05.2012, Expoziția Internațională Specializată INFOINVENT, ediția a XIII-a, 19-22 noiembrie 2013, Chisinau

2012: Medalie de aur si Diploma de excelenta la International jubilee edition of PRO INVENT, edition a X-a, 27 – 30 martie 2012, Cluj-Napoca, pentru **Group of Inventions: Sensors for anion and cation detection based on meso-substituted Porphyrins**

2015: OUTSTANDING REVIEWER of Elsevier for Mat. Res. Bull.

2016: Merit reviewer of PUBLONS and award of Outstanding Reviewer of Materials Letters Journal

2017: Sentinel of Science award for Chemistry for 2016 activity in Chemistry

2018-Premiul PUBLONS/2017- Top reviewer in Multidisciplinary Chemistry

& Gold medal "Traian VUIA " International Patents Competition 13-15 iunie 2018 for OSIM A 00311 (07.05.2018)

2019- Nominated Scholars Academic and Scientific Society, SAS Society & SASPR Edu International, India.
2019- PUBLONS Award: Top Reviewer in cross fields
2020. Avid Science <https://avidscience.com/>: Fagadar-Cosma E., Badea V., Fagadar-Cosma G., Palade A., Lascu A., Fringu I., Birdeanu M., Trace Oxygen Sensitive Material Based on Two Porphyrin Derivatives in a Heterodimeric Complex, *Molecules*, (2017), doi:10.3390/molecules22101787 awarded as "Top 5 Contributions in Molecular Sciences" in 2019.
2020. Journal Der Chemica Sinica: Celebrating Its 10th Anniversary, 11/15/2019
 Fagadar-Cosma E. - **eminent Editorial Board Members**
<https://onlineprnews.com/news/1139750-1573792108-journal-der-chemica-sinica-celebrating-its-10th-anniversary.html/>
2021 INSO 2021 Awards. Scientist Award in the International Scientist Awards on Engineering, Science and Medicine
2022: COVER award NANOMATERIALS, Cover Story <https://www.mdpi.com/2079-4991/12/11>
 Article: One A3B Porphyrin Structure—Three Successful Applications
Nanomaterials 2022, 12(11), 1930; doi:10.3390/nano12111930
2022: Cover Award Chemosensors MDPI, FI=3.398, Volume 10, Issue 4, April 2022-26 Articles
 Article: Excellent Cooperation between Carboxyl-Substituted Porphyrins, k-Carrageenan and AuNPs for Extended Application in CO2 Capture and Manganese Ion Detection
Chemosensors 2022, 10(4), 133; doi:10.3390/chemosensors10040133
2023: Făgădar-Cosma E., **Asia's Outstanding Researcher Award for excellence** in: "Electrochemical behaviour and analytical applications of a manganese porphyrin – silica hybrid film prepared by pulsed laser deposition". ASTRA 2023 || On 1st July 2023 || Grandeur Hall @Breeze Residency || Trichy, Tamil Nadu, India

Apartenența la societăți științifice sau profesionale

- **2013-prezent** Expert independent al Comisiei Europene pentru Programe FP7 si HORIZON comisia Chimie si Future and Emerging Technologies (MSCA-IF-EF, MSCA-RISE, MSCA-GT, Innovation)
- Membră a Societății Române de Chimie; American Nano Society; Asociației Romane pentru Electrochimie Aplicata; Membră a Asociației de Cercetare Multidisciplinară din Zona de Vest a României; Membră a American Biographical Institute Research – Board of Advisors (referent din 24 septembrie 2001); Membra activa in REGISTRUL NAȚIONAL AL EXPERȚILOR ÎN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI CERCETARE, din iunie 2005; Expert evaluator al Programelor Nationale de Excelența CEEX, 2005, 2006 si a Programului INOVARE-2007; Membra a Asociației științifice „IFSA and Sensors” din anul 2006; Membra a Asociației INTERNATIONALE Society of Biological Inorganic Chemistry, din anul 2007; Membra “ESF-PESC – Comisia de Fizica si Stiinte Ingineresti”; Expert evaluator al Republicii Bulgaria - Ministry of Education And Science, National Science Fund, competitia-2008; Membru al grupului de 300 experti al Innovation Explorers (Elsevier) Membru invitat (2010) al asociatiei profesionale Optical Society of America (OSA)
- **Referent/membru in comitetul editorial al revistelor ISI:** *Electrochimica Acta*, *Arabian Journal of Chemistry*, *Materials Research Bulletin*, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *Materials Letters*, *Materials Chemistry and Physics*, *Vibrational Spectroscopy*, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, *Bioorganic & Medicinal Chemistry Letters*, *Journal of Solid State Chemistry*, *Desalination*, *American Chemical Science Journal*, *SciKnow*, *Chinese Journal of Chemistry*, *Comb. Chem. & High Throughput Screening*, *Bioinorganic Chemistry and Applications*, *Sensors & Actuators: B. Chemical*, *Journal of Electroanalytical Chemistry*, *Pure and Applied Chemistry*, *J. Optoelectro. Adv. Mat.*, *Recent Patents on Inflammation & Allergy Drug Discovery*, *WSEAS Transactions editor/referent-World Scientific and Engineering Academy and Society*, *Tetrahedron*, *The Open Chemical and Biomedical Methods Journal*, *Molecular and Biomolecular Spectroscopy*, *Journal of Luminescence*, *Journal of Molecular Structure*, *Journal of Magnetism and Magnetic Materials*, *J Phys. Chem*, *Journal-Of-Solar-Energy-Research-Updates*.



Anexe

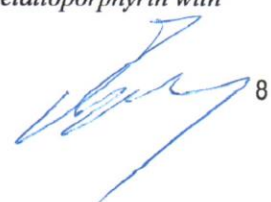
Anexa 1 Selecție, de lucrări publicate

Articole/studii publicate în reviste de specialitate de circulație internațională recunoscute, cu FI, cotate de Web of Science (Thomson Reuters)

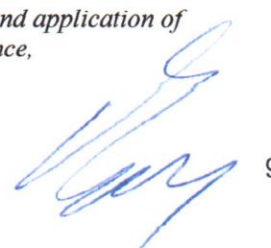
133. Lascu A, Vlascici D, Birdeanu M, Epuran C, Fratilescu I, **Fagadar-Cosma E***
The Influence of the Nature of the Polymer Incorporating the Same A3B Multifunctional Porphyrin on the Optical or Electrical Capacity to Recognize Procaine, *International Journal of Molecular Sciences*. 2023; 24(24):17265.
<https://doi.org/10.3390/ijms242417265> FI= 6.208
132. Mihaela Birdeanu, Ion Fratilescu, Camelia Epuran, Liviu Mocanu, Catalin Ianasi, Anca Lascu, **Eugenia Fagadar-Cosma***
Nanomaterials Based on Collaboration with Multiple Partners: Zn3Nb2O8 Doped with Eu3+ and/or Amino Substituted Porphyrin Incorporated in Silica Matrices for the Discoloration of Methyl Red, *Int. J. Mol. Sci.* 2023, 24(10), 8920;
<https://doi.org/10.3390/ijms24108920> FI= 6.208
131. Maxim FI, Tanasa E, Mitrea B, Diac C, Skála T, Tanase LC, Ianăși C, Ciocanea A, Antohe S, Vasile E, **Fagadar-Cosma E***, Stamatin SN. Polymeric Carbon Nitrides for Photoelectrochemical Applications: Ring Opening-Induced Degradation. *Nanomaterials*. 2023; 13(7):1248. <https://doi.org/10.3390/nano13071248> FI=5.719
130. Vlascici, D.; Lascu, A.; Fratilescu, I.; Anghel, D.; Epuran, C.; Birdeanu, M.; Chiriac, V.; **Fagadar-Cosma, E. ***
Asymmetric Pt(II)-Porphyrin Incorporated in a PVC Ion-Selective Membrane for the Potentiometric Detection of Citrate. *Chemosensors* 2023, 11, 108. <https://doi.org/10.3390/chemosensors11020108> FI=4.229
129. Taranu, B.-O.; **Fagadar-Cosma, E.**; Sfirloaga, P.; Poienar, M., Free-Base Porphyrin Aggregates Combined with Nickel Phosphite for Enhanced Alkaline Hydrogen Evolution., *Energies* 2023, 16, 1212. <https://doi.org/10.3390/en16031212> FI=3.252
128. Lascu A, Epuran C, Fratilescu I, Birdeanu M, Halip L, **Fagadar-Cosma E. ***, Porphyrin Hetero-Trimer Involving a Hydrophilic and a Hydrophobic Structure with Application in the Fluorescent Detection of Toluidine Blue, *Chemosensors*. 2022; 10(11):481. <https://doi.org/10.3390/chemosensors10110481> FI=4.229
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The pH Influence on the Water-Splitting Electrocatalytic Activity of Graphite Electrodes Modified with Symmetrically Substituted Metalloporphyrins. *Nanomaterials*. 2022; 12(21):3788. <https://doi.org/10.3390/nano12213788> FI=5.719
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49. **Fagadar-Cosma Eugenia**, Conferinta invitata, ICTFPA016

Thin film layers based on porphyrins and pseudo-binary-oxides with synergistic effects in corrosion inhibition of steel *International Conference on Thin-Film Application and Processing-2022, ICTFPA-2022*, University of Johannesburg, South Africa, 4-5 martie 2022 (On-Line), Thin Film Application-Section

48. **Eugenia Fagadar-Cosma**

Conferinta invitata: When laser methods encounter porphyrin derivatives to create multifunctional thin layers destined for corrosion inhibition and sensor devices

Webinar on “Laser, Optics & Photonics” held during July 26-27 London (UK), Coalescence Research Group, 2021, p. 17

47. Conferinta invitata & Chairman: Eugenia Fagadar-Cosma

Metalloporphyrins as Electrochemical Mediators for Hydrogen Peroxide Detection

International Asian Congress on Contemporary Sciences, held during June 1-2, Ankara-Baku, 2021, p. 19

46. **Eugenia Fagadar-Cosma**

Conferinta invitata: Porphyrins in Competition with their Nanomaterials Containing PtNPs and AuNPs. Synergism in Benefit of Sensing Applications

Eveniment: **PRIOCHEM 16 Symposium- Section 1** pagina web: <https://icechim.ro/ro/institut/priochem/> 28-30 Octombrie 2020
Bucuresti, Romania -in forma ONLINE

45. Eugenia Fagadar-Cosma,

Conferinta invitata: Different structures of Pt(II)-metalloporphyrins used in sensing applications

Single-Molecule Sensors and NanoSystems International Conference – S3IC 2020, pagina web:
<https://premc.org/conferences/s3ic-single-molecule-sensors-nanosystems/> 9-11 Noiembrie 2020- Barcelona, Spania in forma
ONLINE

44. Fagadar-Cosma E.

Conferinta invitata: Porphyrin-based hybrid materials. Searching for the best partner to improve optoelectronic properties

Eveniment: IC-MAST-International Conference on Materials and Applications for Sensors and Transducers - September 02-05,
2019, Bratislava, Slovakia

43. Fagadar-Cosma E.

Conferinta invitata: Sensors based on biomimetic porphyrin derivatives & their hybrid combinations with photonic nanoparticles

Eveniment: **4th European Chemistry Congress**, May 11-13, 2018, Barcelona, Spain

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