

Curriculum Vitae



Personal information

First name / Surname(s) **MOACĂ, ELENA ALINA (born TĂCULESCU)**

E-mail alina.moaca@umft.ro
alina_taculescu@yahoo.com

Nationality Romanian

Work experience

Dates **28.09.2026 – present**

Occupation or position held **Professor, University Clinic of Toxicology, Drug Industry, Management, Legislation, and Dermatopharmacy**

Main activities and responsibilities **Didactic activity (courses) / Higher education; Scientific research**

Name and address of employer "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro
<https://www.umft.ro/en/pharmacy/departments-of-the-pharmacy-faculty/department-i/toxicology-drug-industry-management-and-legislation/>

Dates **30.09.2024 – 27.09.2026**

Occupation or position held **Associate Professor, University Clinic of Toxicology, Drug Industry, Management, Legislation, and Dermatopharmacy**

Main activities and responsibilities **Didactic activity (courses, seminars) / Higher education; Scientific research**

Name and address of employer "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro
<https://www.umft.ro/en/pharmacy/departments-of-the-pharmacy-faculty/department-i/toxicology-drug-industry-management-and-legislation/>

Dates **17.09.2018 – 29.09.2024**

Occupation or position held **Lecturer, Department of Toxicology, Drug Industry, Management and Legislation**

Main activities and responsibilities **Didactic activity (courses, seminars, laboratory) / Higher education; Scientific research**

Name and address of employer "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro

Dates **18.09.2015 – 16.09.2018**

Occupation or position held **University Assistant, Department of Toxicology**

Main activities and responsibilities **Didactic activity (laboratory, seminars) / Higher education; Scientific research**

Name and address of employer "Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro

Dates **15.10.2008 – 01.05.2014**

Occupation or position held **Researcher in Chemistry**

Main activities and responsibilities

- Synthesis of iron/iron-oxides magnetic nanoparticles by the co-precipitation method and production of magnetic nanofluids based on polar and non-polar carriers;
- Preparation of magnetic fluids with iron oxide nanoparticles obtained by laser pyrolysis;
- Synthesis of magnetic composites „core-shell” type, by encapsulation of magnetic nanoparticles in a silica gel matrix, used for magnetic paper making;
- Responsible for precursor activities.

Name and address of employer	Romanian Academy – Timisoara Branch, Center for Fundamental and Advanced Technical Research, Mihai Viteazu Blvd., no. 24, Timisoara RO 300223 Romania, http://acad-tim.tm.edu.ro/cctfa/
Dates	17.07.2007 – 14.10.2008
Occupation or position held	Chemist Technician (17.07.2007 – 31.07.2008) / Chemical Engineer (01.08.2008 – 14.10.2008)
Main activities and responsibilities	Correction of both water-based paints and plasters, respectively – the activity was carried out in the Laboratory of Colorimetry – Research and Development Department / Elaboration of the recipes for synthesis of alkyd and polyester resins, daily collaboration with production staff, preparing annual research projects – the activity was carried out in the Resins Laboratory – Research and Development Department
Name and address of employer	SC AZUR SA, Research and Development Department, Constructorilor Bvd. no. 1-3, Timisoara RO 300571 Romania, https://www.azur.ro
Education and Training	
Training	
Dates	26.01.2024 – 26.07.2025
Title of qualification	Postdoctoral Researcher – Pharmacy Domain (Project acronym: ONCO-MNPs)
Name and type of organization providing education and training	“Victor Babes” University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro
Dates	2016 – 2017
Title of qualification	Certificate: Teacher Training Department (2nd Module); Ac series No. 0026224
Name and type of organization providing education and training	West University of Timisoara, Vasile Parvan street no. 4, Timisoara RO-300223 Romania, www.uvt.ro
Dates	01.06.2014 – 15.12.2015
Title of qualification	Postdoctoral Researcher
Name and type of organization providing education and training	„Victor Babes” National Institute of Research and Development in the Pathology Domain and Biomedical Science, Splaiul Independentei street no. 99-101, sector 5, Bucharest RO 050096 Romania, www.ivb.ro
Dates	2003 – 2008
Title of qualification	Certificate: Teacher Training Department (1st Module); G series No. 0036666
Name and type of organization providing education and training	Politehnica University of Timisoara, Victoriei Square no. 2, Timisoara RO 300006 Romania, www.upt.ro
Dates	1999 – 2003
Title of qualification	Professional Competence Certificate, specialization – Technician in Chemical Industry, A series No. 0235782
Name and type of organization providing education and training	„Decebal” Scholar Group, Antoninii street no. 2, Drobeta Turnu Severin RO 220125 Romania
Education	
Dates	2024
Title of qualification	Habilitation in Pharmacy – as to Order no. 7810 of 17.12.2024 issued by the Minister of National Education <i>Thesis title: Synthesis methods for pharmaco-toxicological evaluation of metal nanoparticles with or without natural biologically active compounds attached</i>
Name and type of organization providing education and training	“Victor Babes” University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro
Dates	01.10.2024 – 02.09.2026
Title of qualification	Master's Degree in Medicine – Toxicology and addiction medication Faculty of Medicine
Name and type of organization providing education and training	“Victor Babes” University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro

Dates	01.10.2024 – 02.09.2026
Title of qualification	Master's Degree in Pharmacy – Pharmacovigilance and Clinical Trial Monitoring Faculty of Pharmacy
Name and type of organization providing education and training	"Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro
Dates	01.10.2018 – 20.01.2023
Title of qualification	Ph.D. in Pharmacy - as to Order no. 3900 of 28.03.2023 issued by the Minister of National Education <i>Thesis title: Contributions regarding the experimental assessment of different magnetic materials based on iron oxide nanoparticles, from a physicochemical and biological point of view</i>
Name and type of organization providing education and training	"Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro
Dates	21.09.2015 – 17.07.2017
Title of qualification	Master's Degree in Pharmacy – OTC drugs, dietary supplements, cosmetics, series MA No. 0108177 <i>Project title: Complexation of some β-cyclodextrins with iron oxide magnetic nanoparticles. Synthesis, characterization, and applications</i>
Name and type of organization providing education and training	"Victor Babes" University of Medicine and Pharmacy Timisoara, Faculty of Pharmacy, Eftimie Murgu Square no. 2, Timisoara RO-300041 Romania, www.umft.ro
Dates	01.10.2010 – 07.02.2014
Title of qualification	Ph.D. in Chemical Engineering – as to Order no. 165 of 07.04.2014 issued by the Minister of National Education <i>Thesis title: New approaches regarding the synthesis and the use of some nanomaterials with magnetic properties</i>
Name and type of organization providing education and training	Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, Vasile Parvan Blvd. no. 6, Timisoara RO 300226 Romania, www.upt.ro
Dates	01.10.2008 – 24.06.2010
Title of qualification	Master's Degree in Chemical Engineering - Non-Polluting Process Technologies, I series No. 0034631 <i>Project title: Direct dyes removal from wastewater of laboratory using synthetic adsorbents</i>
Name and type of organization providing education and training	Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, Vasile Parvan Blvd. no. 6, Timisoara RO 300226 Romania, www.upt.ro
Dates	01.10.2003 – 03.07.2008
Title of qualification	Bachelor's Degree in Chemical Engineering (Diplomat Engineer) - Engineering and Chemistry of Inorganic Substances, G series No. 0051615 <i>Project title: Synthesis, characterization, and use of some organic-inorganic hybrids in the extraction of Cu^{2+} and Cd^{2+} ions from aqueous solutions</i>
Name and type of organization providing education and training	Politehnica University of Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, Vasile Parvan Blvd. no. 6, Timisoara RO 300226 Romania, www.upt.ro

Personal skills and competencies

Native language(s)

Other language(s)

Self-assessment

European level (*)

English

French

Romanian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production		Writing	
C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) [Common European Framework of Reference for Languages](http://www.upt.ro)

Technical skills and competencies	<p>Synthesis of magnetic iron-oxide nanoparticles by co-precipitation method; Production of magnetic nanofluids based on polar and non-polar carriers; Synthesis of magnetic iron-oxide nanoparticles by combustion method; Production of biocompatible colloidal suspensions based on water for biomedical applications; Familiar with the interpretation of the results of various characterization methods: XRD, BET, DLS, TG/DTA, magnetic measurements, optical microscopy (TEM, SEM), hydrodynamic diameter, Zeta potential; Chemical synthesis, Physico-chemical characterization of synthesized compounds; Obtaining and characterization of aqueous, alcoholic and/or hydro alcoholic vegetal extracts; Fabrication of iron oxides magnetic nanoparticles by green synthesis; Fabrication of silver nanoparticles by green synthesis.</p>
Research skills and competencies	<p>My research activity has given me the ability to work in a multidisciplinary team and good communication and management skills.</p> <p>My research activity can be quantified in:</p> <ul style="list-style-type: none"> • 99 – <i>in extenso</i> articles published in indexed ISI journals; • 5 – ISI proceedings articles; • 16 – ISI abstracts; • 25 – abstracts published in the volume of abstracts with an ISBN • 3 – articles published in CNCSIS-B/B+ indexed journals (BDI); • 3 – published book chapters in international publishing houses; • 4 – published books in national publishing houses • 1 – patent • 82 – communications at international/national conference/workshop; • 20 – research projects: (as manager – 3 national projects; and as a member – 15 national projects and 2 international projects) • Hirsch Factor $h = 26$ (according to ISI Web of Science) <p>Project management (project manager)</p> <p>1. PN-IV-P2-2.1-TE-2023-1941 - Research Projects for Young Independent Teams, SMART-MNP@MHT, ctr. no. 103TE/08.01.2025 (Period: 08.01.2025 – 31.12.2026) <i>Smart targeted nanostructures loaded with triterpenic-like antitumor active principles, for magnetic hyperthermia therapy</i> Project Coordinator: VBUMFT; Project Manager: Associate Professor, Ph.D. Elena-Alina Moacă</p> <p>2. Advanced Research Grant – Young Researchers, ONCO-MNPs ctr. no. 1682/26.01.2024 (10.000 euro) (Period: 26.01.2024 – 26.07.2025) <i>New advances in the development of smart magnetic nanoparticles used in cancer pathology</i> Project Coordinator: VBUMFT; Project Manager: Lecturer Ph.D. Alina Moacă</p> <p>3. Internal Competition Doctoral Grant, TRITERPENES@MNP, ctr. no. 4DOC/1276/30.01.2020 (20.000 euro) (Period: 02.02.2020 – 02.02.2022) <i>Magnetic nanoparticles as a support for triterpenic antitumor active principles</i> Project Coordinator: VBUMFT; Project Manager: Lecturer Ph.D. Alina Moacă</p>
Professional skills and competencies	<ul style="list-style-type: none"> • Member of the Internal Verification and Validation Commission of PhD theses and habilitation theses of the Council of the Doctoral School (CSUD), UMFVBT, since 2025 • Member of the Commission for setting the minimum standards of teaching and research activities, as well as the modalities of sanctioning employees for failure to meet the minimum conditions, UMFVBT, since 2024 • Member of the Council of Department I of the Faculty of Pharmacy, UMFVBT, since 2024 • Member of the Working Group "Academic Performance of the University of Medicine and Pharmacy "Victor Babeş" from Timișoara", 2023-2025 • Member of the Ethics Committee of the Faculty of Pharmacy, 2020-2023 • Member of the Professional Deontology Consultative Committee of the Faculty of Pharmacy, since 2023 • Member of the Drug Precursors and Toxic Substances Committee of the Faculty of Pharmacy since 2020 • Member of the Preparation of the Periodic Evaluation File of the Pharmacy Study Program (in French) Committee of the Faculty of Pharmacy, since 2022 • Member of the License Committee of the Faculty of Pharmacy since 2016 • Member of the Admissions Committee of the Faculty of Pharmacy since 2016 • Member of the Evaluation Committee regarding the filling of vacant teaching positions in the Faculty of Pharmacy, since 2018 • Member within the Research Center for Pharmacotoxicological Evaluations (FARMATOX), https://www.umft.ro/cercetare/centre-de-cercetare/farmatox/, since 2021

National scholarships

- **Scientific Coordinator of:**
 - 49 undergraduate theses within the Pharmacy Study Program, 2017-2026
 - 4 undergraduate theses within the Pharmacy Assistance Study Program from Lugoj, 2016-2021
 - 5 undergraduate theses within the Medical Cosmetics and Cosmetic Product Technology Study Program, 2024-2025
 - 2 dissertation theses within the Master's Program – Pharmaceutical Industry, 2026
 - 5 dissertation theses within the Master's Program – Cosmetology and Dermopharmacy, 2026
 - 5 dissertation theses within the Master's Program - OTC drugs, food supplements, cosmetics, from 2020-2021
- **Invited reviewer for ISI journals:**
 - International Journal of Nanomedicine (Dove Medical Press), ISSN: 1176-9114;
 - Cancer Management and Research (Dove Medical Press), ISSN: 1179-1322;
 - Journal of Functional Biomaterials (MDPI), ISSN: 2079-4983;
 - Materials (MDPI), ISSN: 1996-1944;
 - Nanomaterials (MDPI), ISSN: 2079-4991;
 - International Journal of Molecular Science (MDPI), ISSN: 1422-0067;
 - International Journal of Environmental Research and Public Health (MDPI), ISSN: 1660-4601;
 - Drug Design, Development and Therapy (Dove Medical Press), ISSN: 1177-8881;
 - Naunyn-Schmiedeberg's Archives of Pharmacology (Springer Link), ISSN: 0028-1298;
 - Frontiers in Pharmacology (Frontiers), ISSN: 1663-9812;
 - Nutrition Research Reviews (Cambridge University Press), ISSN: 0954-4224;
 - Nanomedicine (Taylor and Francis), ISSN: 1743-5889;
- **Guest Editor in 2021** of Pharmaceutics Journal (MDPI), ISSN: 1999-4923 – Special Issue: Magnetic Nanomaterials – a promising approach in cancer therapy (https://www.mdpi.com/journal/pharmaceutics/special_issues/Magnetic_Cancer)
- **Guest Editor in 2024** of Pharmaceutics Journal (MDPI), ISSN: 1999-4923 – Special Issue: Recent insights concerning the use of supramolecular systems for biomedical application (https://www.mdpi.com/journal/pharmaceutics/special_issues/68EUE35G7A)
- **Guest Editor in 2024** of Pharmaceutics Journal (MDPI), ISSN: 1999-4923 – Special Issue: Nano-enabled formulations: recent insights and biomedical applications (https://www.mdpi.com/journal/pharmaceutics/special_issues/PU3R2A6M5C)
- **Guest Editor in 2024** of Gels Journal (MDPI), ISSN: 2310-2861 – Special Issue: Smart Hydrogel-Type Formulations: New Insights Regarding Design and Biomedical Applications (https://www.mdpi.com/journal/gels/special_issues/T1P5H6XX61)
- BrainMap ID (UEFISCDI) - U-1700-039P-3144
- ORCID ID - <http://orcid.org/0000-0002-2631-7028>
- **2010 – 2013 - Doctoral Scholarship – POSDRU 107/1.5/S/77265**, entitled *To research careers through doctoral studies*. Affiliation: Politehnica University of Timisoara, <http://www.bursedoctorale-upt-2010.ro>
- **01.06.2014 – 15.12.2015 - Postdoctoral Scholarship – POSDRU/159/1.5/S/141531**, entitled *Human resources development - Ph.D. and postdoctoral students - for excellence research in health and biotechnology*. Affiliation: „Victor Babes” National Institute of Research and Development in the Pathology Domain and Biomedical Science, Bucharest, Romania, <http://dpd-dru.ro>

UEFISCDI Awarding research results - scientific articles

<https://uefiscdi.gov.ro/premierea-rezultatelor-cercetarii-articole>

Over 30 awarded scientific papers

PN-IV-P2-2.3-PRECISI-2023-81714 – Q1 area; PN-IV-P2-2.3-PRECISI-2023-72024 – Q1 area; PN-IV-P2-2.3-PRECISI-2023-82218 – Q2 area; PN-III-P1-1.1-PRECISI-2021-67401 – Q2 area; PN-III-P1-1.1-PRECISI-2021-66567 – Q2 area; PN-III-P1-1.1-PRECISI-2021-60186 – Q2 area; PN-III-P1-1.1-PRECISI-2021-61674 – Q2 area; PN-III-P1-1.1-PRECISI-2021-60618 – Q1 area; PN-III-P1-1.1-PRECISI-2021-60626 – Q2 area; PN-III-P1-1.1-PRECISI-2021-59293 – Q1 area; PN-III-P1-1.1-PRECISI-2021-58870 – Q1 area; PN-III-P1-1.1-PRECISI-2019-39666 – Q1 area; PN-III-P1-1.1-PRECISI-2019-35025 – Q2 area; PN-III-P1-1.1-PRECISI-2019-35343 – Q2 area; PN-III-P1-1.1-PRECISI-2019-34566 – Q2 area; PN-III-P1-1.1-PRECISI-2019-30408 – Q1 area; PN-III-P1-1.1-PRECISI-2019-30519 – Q2 area; PN-III-P1-1.1-PRECISI-2019-30648 – Q2 area; PN-III-P1-1.1-PRECISI-2018-25554 – Q1 area; PN-III-P1-1.1-PRECISI-2018-25367 – Q1 area; PN-III-P1-1.1-PRECISI-2018-23991 – Q1 area; PN-III-P1-1.1-PRECISI-2018-23985 – Q1 area; PN-III-P1-1.1-PRECISI-2018-23950 – Q2 area; PN-III-P1-1.1-PRECISI-2017-16345 – Q1 area; PN-II-RU-PRECISI-2015-9-8803 – Q1 area; PN-II-RU-PRECISI-2015-9-8398 – Q2 area; PN-II-RU-PRECISI-2014-8-4615 – Q2 area; PN-II-RU-PRECISI-2013-7-3168 – Q2 area; PN-II-RU-PRECISI-2013-7-2722 – Q2 area; PN-II-RU-PRECISI-2012-6-0897 – Q1 area

Skills and competencies in computer use

Microsoft Office (Word, Excel, PowerPoint), Internet, data processing programs (Origin, Table Curves 2D)

Other competencies

Fast learning; tenacious; analytical behavior, with a strong capacity for synthesis; entrepreneurial behavior expressed by approaching and solving some existing problems; work experience in team organization; eagerness to gain new knowledge, develop and improve the career; perseverance in pursuing and achieving a goal; devotion and respect for work tasks; eager for affirmation and promotion.

Driving license (s)

B Category since 2006

Annexes

Publication list
List of Projects / Grants / Research Contracts

ANNEX I. SCIENTIFIC RESEARCH ACTIVITY

I.1 RESEARCH PROJECTS (research team member)

1. **Project PRV/6.1.D/1, MYSMIS:321935, funded by the West regional program 2021-2027, Priority: 6 – An educational and attractive region** (Period: December 2024 – November 2026)

Modernizing learning conditions, developing students' skills and ensuring non-discretionary access to quality education at UMFVBT

Project Coordinator: „Victor Babes” University of Medicine and Pharmacy Timișoara; Project Manager: Prof. Univ. Dr. Oancea Cristian

2. **Internal Competition Post-Doctoral Grant, ctr. no. 3POSTDOC/1238/2020 (238.340 RON)** (Period: 02.02.2020 – 02.02.2022)

Populi gemmae - a double win for the pharmaceutical field: therapeutic potential and bio-source for green synthesis of silver nanoparticles

Project Coordinator: „Victor Babes” University of Medicine and Pharmacy Timișoara; Project Manager: Assoc. Prof. Ph.D. Corina Danciu

3. **PN-III-P1-1.1-TE-2019-2134 Project, BAPRONIO, ctr. no. 79/30.10.2020 (431.840 RON)** (Period: 2.11.2020 – 31.10.2022)

Rendering to the dermo-cosmetic market a modern topical formulation with betulinic acid incorporated in proniosomes

Project Coordinator: „Victor Babes” University of Medicine and Pharmacy Timișoara; Project Manager: Assoc. Prof. Ph.D. Dorina Coricovac

4. **CNFIS-FDI-2019-0393 Project, ctr. no. 104/21.05.2019** (Period: 21.05.2019 - 15.12.2019)

Professional development center in the field of dermato-cosmetic products based on medicinal plants

Project Coordinator: „Victor Babes” University of Medicine and Pharmacy Timișoara; Project Manager: Professor Ph.D. Cristina Dehelean

5. **CNFIS-FDI-2018-0159 Project, ctr. no. 35/16.05.2018** (Period: 16.05.2018 - 15.12.2018)

Center for the development of practical skills in the field of medicinal plants

Project Coordinator: „Victor Babes” University of Medicine and Pharmacy Timișoara; Project Manager: Professor Ph.D. Cristina Dehelean

6. **PN-III-P4-ID-PCE-2016-0765 Project, ctr. no. 10718/21.07.2017** (Period: 2017-2019)

Advanced materials based on combustion-synthesized magnetic iron oxide nanoparticles and their cytotoxicity designed for cancer treatment - MagNanoCytoTox

Project Coordinator: Politehnica University of Timișoara; Project Manager: Professor Ph.D. Cornelia Păcurariu

7. **PN-III-P2-2.1-2016-BG-0354 Project, ctr. no. 1506/21.10.2016** (Period: 2016-2018)

Betulin and gold nanoparticles - based formulations in preventing skin aging - BETGOSKIN

Project Coordinator: „Victor Babes” University of Medicine and Pharmacy Timișoara; Project Manager: Professor Ph.D. Șoica Codruța Marinela

8. **PN-II-RU-TE-2014-4-0514 Project, ctr. no. 60 from 01/10/2015** (Period: 2015-2017)

Development of nanostructured magnetic composite used as nano-adsorbents and nano-catalysts with high performance in environmental applications

Project Coordinator: Politehnica University of Timișoara; Project Manager: Lecturer Ph.D. Stoia Marcela Elena

9. **PN-II-RU-TE-2014-4-1587 Project, ctr. no. 142 from 01/10/2015** (Period: 2015-2017)

Combustion synthesis of smart near-infrared reflective nanopigments for heat-reflective (cool) coatings

Project Coordinator: Politehnica University of Timisoara; Project Manager: Assoc. Prof. Ph.D. Ianoş Robert Gabriel

10. FP7 (RPF'S FP 2009 – 2010, Cyprus) Project (Period: 2013-2014)

Novel, multi-responsive cross-linked films with controlled architectures: synthesis, characterization and application in icon restoration

Project Coordinator: University of Cyprus; Partner 2: Romania Academy Timisoara Branch, Center of Technical, Fundamental and Advanced Research, Laboratory of Magnetic Liquid; Project Responsible: Dr. Ladislau Vékás, CS1

11. PN-II-PT-PCCA-2011-3.2-0538 Project - MagNanoMicroSeal, ctr. no. 157/2012 (Period: 2012-2015)

High magnetization magnetic nanofluids and nano-micro composite magnetizable fluids: applications in high-pressure and heavy-duty rotating seals and the magnetorheological controller device

Project Coordinator: Romania Academy Timisoara Branch, Center of Technical, Fundamental and Advanced Research, Laboratory of Magnetic Liquid; Project Manager: Dr. Ladislau VÉKÁS, CS1

12. ID_76 Project Surface and Interface Science: physics, chemistry, biology, and applications (Period: 2012-2013)

Project Coordinator: Romania Academy Timisoara Branch, Center of Technical, Fundamental and Advanced Research, Laboratory of Magnetic Liquid; Project Responsible: Dr. Victor SOFONEA, CS1

13. FP7 (MAGPRO2LIFE) Project (Period: 2009-2013)

Advanced Magnetic nanoparticles deliver smart processes and products for life

Project Coordinator: SOLAE Co., Denmark; Partner 11: Romania Academy Timisoara Branch, Center of Technical, Fundamental and Advanced Research, Laboratory of Magnetic Liquid; Project Responsible: Dr. Ladislau VÉKÁS, CS1

14. PN-II ERA-NET (MAFINCO) Project, ctr. no. 7-018/2009 (Period: 2009-2011)

Nanofluid magnetic - a new isolating and cooling medium for electrical transformers

Project Coordinator: Politehnica University of Timisoara; Partner 1: Romania Academy Timisoara Branch, Center of Technical, Fundamental and Advanced Research, Laboratory of Magnetic Liquid; Project Responsible: Dr. Ladislau VÉKÁS, CS 1

15. PN-II (CFEEL) Project, ctr. no. 21-043/2007 (Period: 2007-2010)

Functional compatibility of special electrical equipment, with magnetic ferrofluid (bushings, measuring transformers, curling tong for physical microparticles, industrial frequency voltage dividers)

Project Coordinator: National Institute for Research and Development for Electrical Engineering ICPE-CA, Bucharest; Partner 2: Romania Academy Timisoara Branch, Center of Technical, Fundamental and Advanced Research, Laboratory of Magnetic Liquid; Project Responsible: Dr. Ladislau VÉKÁS, CS1

16. PN-II (BIMAPAFLU) Project, ctr. no. 71-083/2007 (Period: 2007-2010)

Advanced magnetic nanostructure processing in the form of nanoparticles and nanofluids based on Fe, for biomedical applications

Project Coordinator: National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca; Partner 1: Romania Academy Timisoara Branch, Center of Technical, Fundamental and Advanced Research, Laboratory of Magnetic Liquid; Project Responsible: Dr. Ladislau VÉKÁS, CS 1

17. PN-II (NANOMAGPOLI) Project, ctr. no. 71-068/2007 (Period: 2007-2010)

Biocompatible nanostructured systems based on magnetic nanoparticles and polymers with response to external stimuli

Project Coordinator: National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca; Partner 1: Romania Academy Timisoara Branch, Center of Technical, Fundamental and Advanced Research, Laboratory of Magnetic Liquid; Project Responsible: Dr. Ladislau VÉKÁS, CS 1

I.2 PUBLICATIONS

I.2.1. INTERNATIONAL BOOK CHAPTERS

1. D.C. Lazăr, **E.A. Moacă**, M. Comianu, S. Tăban, A. Faur, A. Goldiş, Efficiency of Treatment Targeted on Gut Microbiota in Inflammatory Bowel Diseases: Current Strategies and Perspectives, Chapter 4, DOI: 10.5772/intechopen.108664, In Benign Anorectal Disorders - An Update, edited by: Dr. Alberto Vannelli and Dr. Daniela Cornelia Lazar, ISBN 978-1-80355-705-2, InTech Open 2022
2. **E.A. Moacă**, E.D. Coricovac, C.M. Soica, I.A. Pinzaru, C.S. Păcurariu, C.A. Dehelean, Preclinical aspects on magnetic iron oxides nanoparticles and their interventions as anticancer agents: enucleation, apoptosis and other mechanisms, Chapter 12, DOI: 10.5772/intechopen.74176, in: Iron ores and iron oxide materials, edited by: Dr. Volodymyr Shatokha, ISBN 978-1-78923-321-6, InTech Open 2018
3. C. Soica, D. Antal, F. Andrica, R. Băbuța, **A. Moacă**, F. Ardelean, R. Ghiulai, S. Avram, C. Danciu, D. Coricovac, C. Dehelean, V. Păunescu, Lupan-Skeleton Pentacyclic Triterpenes with Activity against Skin Cancer: Preclinical Trials Evolution, Chapter 5, DOI: 10.5772/intechopen.68908, In Unique Aspects of Anti-cancer Drug Development, edited by Jolanta Natalia Latosinska and Magdalena Latosinska, ISBN 978-953-51-3347-6, InTech Open 2017

I.2.2. NATIONAL BOOK

1. C. Stroia, **E.A. Moacă**, Plant Systematics. Life Science Publishing, Timișoara, 198 pages, ISBN 978-606-785-351-3, 2026
2. A.R. Jijie, C.M. Șerban, **E.A. Moacă**, I.A. Predescu. Facts on Europe's deadly flora. 1st Volume, "Victor Babes" Timișoara Publisher, 132 pages, ISBN 978-606-786-458-8, 2025
3. D. Coricovac, C. Dehelean, I. Pinzaru, **A. Moacă**, New aspects regarding the use of toxic plants, „Victor Babes” Timisoara Publisher, 126 pages, ISBN 978-606-786-107-5, 2018
4. **Tăculescu Elena Alina**, New approaches regarding the synthesis and use of nanomaterials with magnetic properties, Doctoral Thesis of UPT (Politehnica University of Timisoara), Series 4, No. 78, 124 pages, Politehnica Publisher, ISSN:1842-8223, ISBN:978-606-554-785-8, 2014

I.2.3. ISI INDEXED SCIENTIFIC ARTICLES (selection)

1. Dahma, R.†; **Moacă, E.-A.†** (†-contribuție egală); Predescu, I.-A.; Dragomir, A.-C.; Iftode, O.-A.; Iurciuc, S.; Haj Ali, D.; Macașoi, I.; Sala-Cirtog, M.; Crintea, I.-N.; Tănase, A.D.; Dinuț, M. Preclinical Evaluation of Labetalol for Cutaneous Melanoma Drug Repurposing: Cytotoxic Activity in A375 Cells and Mitochondria-Associated Apoptotic Signaling. *Medicina* 62, 1802. <https://doi.org/10.3390/medicina62091802>, 2026 (I.F.=2.9/Q1)
2. Neagu, M.C.; Haj Ali, D.; Iacob, E.R.; Smeu, A.; Stoicescu, R.; Popoiu, C.M.; Boștinăru, G.; Marcu, S.; Ianoș, R.; Socoliuc, V.; Barbu Tudoran, L.; **Moacă, E.A.** Comparative Physicochemical Characterization and Biological Effects of Magnetite- and Maghemite-Based Magnetic Colloidal Suspensions in A704 Renal Cancer Cells. *Pharmaceutics* 19, 1381. <https://doi.org/10.3390/ph19091381>, 2026 (I.F.=5.7/Q1)
3. Cîmpeanu, I.-A.; Anton, A.; Cristea, A.-M.; Haj Ali, D.; Predescu, I.-A.; Marcovici, I.; Macașoi, I.-G.; Vlad, D.; Oancea, C.; **Moacă, E.-A.** Nutraceutical Characterization, 3D Airway Tissue Metabolic Viability, and Cytotoxic Activity of *Melissa officinalis* Aqueous Leaf Extract in A549 Lung Adenocarcinoma Cells. *Medicina* 62, 1514. <https://doi.org/10.3390/medicina62081514>, 2026 (I.F.=2.9/Q1)
4. Neagu, M.C.; Boia, E.S.; Andrică, P.A.; Cristea, A.M.; Sasco, D.; Bob, F.; Smeu, A.; Anton, A.; **Moacă, E.A.** Synthesis, characterisation and a preliminary in vitro evaluation of a magnetic nanoformulation on kidney vero cell line. *Farmacia* 73(6), 1493-1505. <https://doi.org/10.31925/farmacia.2025.6.15>, 2025 (I.F.=1.3)
5. Watz, C.G.; **Moacă, E.A.*** (*-autor corespondent); Cioca, A.; Șuta, L.M.; Krauss Maldea, L.; Magyari-Pavel, I.Z.; Nicolov, M.; Sîrbu, I.O.; Loghin, F.; Dehelean, C.A. Cutaneous Evaluation of Fe₃O₄ Nanoparticles: An Assessment Based on 2D and 3D Human Epidermis Models Under Standard and UV Conditions. *International Journal of Nanomedicine* 20, 3653–3670. <https://doi.org/10.2147/IJN.S513423>, 2025 (I.F.=6.7)
6. Ciobotaru, G.V.; Goje, I.D.; Dehelean, C.A.; Danciu, C.; Magyari-Pavel, I.Z.; **Moacă, E.-A.**; Muntean, D.; Imbrea, I.M.; Sărățeanu, V.; Pop, G. Analysis of the Antioxidant and Antimicrobial Activity, Cytotoxic, and Anti-Migratory Properties of the Essential Oils Obtained from Cultivated Medicinal Lamiaceae Species. *Plants-Basel* 14, 846. <https://doi.org/10.3390/plants14060846>, 2025 (I.F.=4.0)
7. Marcovici, I.; Chioibas, R.; Zupko, I.; Pinzaru, I.; **Moacă, E.A.**; Ledet, A.; Barbu-Tudoran, L.; Geamantan, A.; Predescu, I.; Dehelean, C.A. Preclinical Pharmacotoxicological Screening of Biomimetic Melanin-Like Nanoparticles as a Potential Therapeutic Strategy for Cutaneous Melanoma. *Frontiers in Pharmacology* 16, 1487854. <https://doi.org/10.3389/fphar.2025.1487854>, 2025 (I.F.=4.4)
8. Ruse, G.; Jîjie, A.-R.; **Moacă, E.-A.**; Pătrașcu, D.; Ardelean, F.; Jojic, A.-A.; Ardelean, S.; Tchiakpe-Antal, D.-S. *Coffea arabica*: An Emerging Active Ingredient in Dermato-Cosmetic Applications. *Pharmaceutics* 18, 171:1-36. <https://doi.org/10.3390/ph18020171>, 2025 (I.F.=4.3)
9. Predescu, I.-A.; Jîjie, A.-R.; Pătrașcu, D.; Pasc, A.-L.-V.; Piroș, E.-L.; Trandafirescu, C.; Oancea, C.; Dehelean, C.A.; **Moacă, E.-A.** Unveiling the Complexities of Medications, Substance Abuse, and Plants for Recreational and Narcotic Purposes: An In-Depth Analysis. *Pharmacy* 13, 7:1-58. <https://doi.org/10.3390/pharmacy13010007>, 2025 (I.F.=2)
10. Dănilă, A.-I.; Romînu, M.; Munteanu, K.; **Moacă, E.-A.**; Geamantan-Sîrbu, A.; Olariu, I.; Marian, D.; Olariu, T.; Talpoș-Niculescu, I.-C.; Cosoroabă, R.M.; et al. Development of Solid Nanosystem for Delivery of Chlorhexidine with Increased Antimicrobial Activity and Decreased Cytotoxicity: Characterization and In Vitro and In Ovo Toxicological Screening. *Molecules* 30, 162. <https://doi.org/10.3390/molecules30010162>, 2025 (I.F.=4.2)
11. Moise, G.; Jîjie, A.-R.; **Moacă, E.-A.**; Predescu, I.-A.; Dehelean, C.A.; Hegheș, A.; Vlad, D.C.; Popescu, R.; Vlad, C.S. Plants' Impact on the Human Brain—Exploring the Neuroprotective and Neurotoxic Potential of Plants. *Pharmaceutics* 17, 1339. <https://doi.org/10.3390/ph17101339>, 2024 (I.F.=4.3)
12. Grosu, C.; Jîjie, A.-R.; Manea, H.C.; **Moacă, E.-A.**; Iftode, A.; Minda, D.; Chioibaș, R.; Dehelean, C.-A.; Vlad, C.S. New Insights Concerning Phytophotodermatitis Induced by Phototoxic Plants. *Life-Basel* 14, 1019. <https://doi.org/10.3390/life14081019>, 2024 (I.F.=3.2)
13. Zakzak, K.; Semenescu, A.-D.; **Moacă, E.-A.*** (*-autor corespondent); Predescu, I.; Drăghici, G.; Vlaia, L.; Vlaia, V.; Borcan, F.; Dehelean, C.-A. Comprehensive Biosafety Profile of Carbomer-Based Hydrogel Formulations Incorporating Phosphorus Derivatives. *Gels* 10, 477. <https://doi.org/10.3390/gels10070477>, 2024 (I.F.=5)
14. Magyari-Pavel, I.Z.; **Moacă, E.-A.**; Avram, Ș.; Diaconeasa, Z.; Haidu, D.; Ștefănuț, M.N.; Rostas, A.M.; Muntean, D.; Bora, L.; Badescu, B.; et al. Antioxidant Extracts from Greek and Spanish Olive Leaves: Antimicrobial, Anticancer and Antiangiogenic Effects. *Antioxidants* 13, 774. <https://doi.org/10.3390/antiox13070774>, 2024 (I.F.=6)
15. Sarău, O.S.; **Moacă, E.-A.*** (*-autor corespondent); Semenescu, A.-D.; Dumitru, R.; Jîjie, A.-R.; Poenaru, M.; Dehelean, C.-A.; Chevereșan, A. Physicochemical and Toxicological Screening of Silver Nanoparticle Biosynthesis from *Punica granatum* Peel Extract. *Inorganics* 12, 160. <https://doi.org/10.3390/inorganics12060160>, 2024 (I.F.=3.1)
16. M. Boța, L. Vlaia, A.R. Jîjie, I. Marcovici, F. Crișan, C. Oancea, C.A. Dehelean, T. Mateescu, **E.A. Moacă**. Exploring Synergistic Interactions between Natural Compounds and Conventional Chemotherapeutic Drugs in Preclinical Models of Lung Cancer. *Pharmaceutics* 17, 598. <https://doi.org/10.3390/ph17050598>, 2024 (I.F.=4.3)
17. S. Liga, C. Paul, **E.A. Moacă**, F. Péter. Niosomes: Composition, Formulation Techniques, and Recent Progress as Delivery Systems in Cancer Therapy. *Pharmaceutics* 16(2), 223-245. <https://doi.org/10.3390/pharmaceutics16020223>, 2024 (I.F.=4.9)
18. Prodan-Bărbulescu C, Watz C-G, **Moacă E-A*** (*-autor corespondent), Faur A-C, Dehelean C-A, Faur FI, Grigoriță LO, Maghiari AL, Tuță P, Duță C, Bolintineanu S, Ghenciu LA. A Preliminary Report Regarding the Morphological Changes of Nano-Enabled Pharmaceutical Formulation on Human Lung Carcinoma Monolayer and 3D Bronchial Microtissue. *Medicina* 60(2), 208. <https://doi.org/10.3390/medicina60020208>, 2024 (I.F.=2.4)
19. Semenescu, A.D.; **Moacă, E.A.**; Iftode, A.; Dehelean, C.A.; Tchiakpe-Antal, D.S.; Vlas, L.; Rotunjanu, S.; Muntean, D.; Chiriac, S.D.; Chioibaș, R. Recent updates regarding the anti-proliferative activity of *Galium verum* extracts on A375 human malignant melanoma cell line. *Life-Basel* 14, 112. <https://doi.org/10.3390/life14010112>, 2024 (I.F.=3.2)

20. Semenescu, A.D.; **Moacă, E.A.**; Iftode, A.; Dehelean, C.A.; Tchiakpe-Antal, D.S.; Vlase, L.; Vlase, A.M.; Muntean, D.; Chioibaș, R. Phytochemical and Nutraceutical Screening of Ethanol and Ethyl Acetate Phases of Romanian *Galium verum* Herba (Rubiaceae). *Molecules* 28, 7804. <https://doi.org/10.3390/molecules28237804>, 2023 (I.F. = 4.2)
21. G.A. Draghici, C.A. Dehelean, **A.E. Moaca**, M.L. Moise, I. Pinzaru, V.N. Vladuț, I. Banatean-Dunea, D. Nica. Cadmium nitrate and DNA methylation in gastropods: comparison between ovotests and hepatopancreas. *PeerJ* 1-21, <https://doi.org/10.7717/peerj.15032>, 2023 (I.F. = 2.3)
22. C.E. Ilie, **E.A. Moacă**, M. Suciuc, L. Barbu-Tudoran, M.L. Negruțu, A. Jivănescu. The Biological Activity of Fragmented Computer-Aided Design/Manufacturing Dental Materials before and after Exposure to Acidic Environment. *Medicina* 59(1), 104-127. <https://doi.org/10.3390/medicina59010104>, 2023 (I.F. = 2.4)
23. **E.A. Moacă**, C. Watz, A.C. Faur, D. Lazăr, V. Socoliuc, C. Păcurariu, R. Ianoș, C.I. Rus, D. Minda, L. Barbu-Tudoran, C.A. Dehelean. Biologic Impact of Green Synthesized Magnetic Iron Oxide Nanoparticles on Two Different Lung Tumorigenic Monolayers and a 3D Normal Bronchial Model—EpiAirway™ Microtissue. *Pharmaceutics* 15(2), 1-26, <https://doi.org/10.3390/pharmaceutics15010002>, 2023 (I.F. = 4.9)
24. **E.A. Moacă**, V. Socoliuc, D. Stoian, C. Watz, D. Flondor, C. Păcurariu, R. Ianoș, C.I. Rus, L. Barbu-Tudoran, A. Semenescu, C. Sarău, A. Chevereșan, C.A. Dehelean. Synthesis and Characterization of Bioactive Magnetic Nanoparticles from the Perspective of Hyperthermia Applications. *Magnetochemistry* 8(11), 145-168, <https://doi.org/10.3390/magnetochemistry8110145>, 2022 (I.F. = 2.7)
25. C. Ilie, **E.A. Moacă* (*-autor corespondent)**, D. Pop, L. Goguță, C. Opreș, I.L. Pîrvulescu, L. Avram, A. Faur, A. Jivănescu. Compressive strength evaluation of thin occlusal veneers from different CAD/CAM materials, before and after acidic saliva exposure. *Odontology* 1-15, <https://doi.org/10.1007/s10266-022-00741-5>, 2022 (I.F. = 2.5)
26. **E.A. Moacă**, C.G. Watz, D. Flondor (Ionescu), C. Pacurariu, L. Barbu Tudoran, R. Ianos, V. Socoliuc, G.A. Draghici, A. Iftode, S. Liga, D. Dragos, C.A. Dehelean. Biosynthesis of Iron Oxide Nanoparticles: Physico-Chemical Characterization and Their In Vitro Cytotoxicity on Healthy and Tumorigenic Cell Lines. *Nanomaterials* 12, 2012, 1-24, <https://doi.org/10.3390/nano12122012>, 2022 (I.F. = 5.3)
27. S. Simu, A. Ledeț, **E.A. Moacă* (*-autor corespondent)**, C. Păcurariu, C. Dehelean, D. Navolan, I. Ledeț. Thermal Degradation Process of Ethinylestradiol—Kinetic Study. *Processes* 10, 1518, 1-11, <https://doi.org/10.3390/pr10081518>, 2022 (I.F. = 3.5)
28. B. Kis, **E.A. Moacă* (*-autor corespondent)**, L. Barbu Tudoran, D. Muntean, I.Z. Magyari-Pavel, D.I. Minda, A. Lombrea, Z. Diaconeasa, C.A. Dehelean, S. Dinu, C. Danciu. Green Synthesis of Silver Nanoparticles Using *Populi gemmae* Extract: Preparation, Physicochemical Characterization, Antimicrobial Potential and In Vitro Antiproliferative Assessment. *Materials* 15, 5006, 1-20, <https://doi.org/10.3390/ma15145006>, 2022 (I.F. = 3.4)
29. B. Kis, I.Z. Pavel, S. Avram, **E.A. Moaca**, M. Herrero San Juan, A. Schwiebs, H.H. Radeke, D. Muntean, Z. Diaconeasa, D. Minda, C. Oprean, F. Bojin, C.A. Dehelean, C. Soica, C. Danciu. Antimicrobial activity, in vitro anticancer effect (MCF-7 breast cancer cell line), antiangiogenic and immunomodulatory potentials of *Populus nigra* L. buds extract. *BMC Complementary Medicine and Therapies* 22, 74, 1-24, <https://doi.org/10.1186/s12906-022-03526-z>, 2022 (I.F. = 3.9)
30. S. Dinu, E.L. Craciunescu, I. Macasoi, D. Chioran, M. Rivis, D. Vlad, R.A. Milutinovici, I. Marcovici, A. Dolghi, **A. Moaca**, D.C. Dinu, C. Dehelean, M. Popa. Toxicological Assessment of an Acrylic Removable Orthodontic Appliance Using 2D and 3D In Vitro Methods. *Materials* 15, 1193-1207, <https://doi.org/10.3390/ma15031193>, 2022 (I.F. = 3.4)
31. S. Dinu, R. Buzatu, I. Macasoi, M. Popa, C.S. Vlad, I. Marcovici, I. Pinzaru, C.A. Dehelean, **E.A. Moaca**, L. Barbu-Tudoran, M. Pricop. Toxicological Profile of Biological Environment of Two Elastodontic Devices. *Processes* 9(12), 2116-2130, <https://doi.org/10.3390/pr9122116>, 2021 (I.F.=3.352)
32. A. Căpraru, **E.-A. Moacă* (*-autor corespondent)**, C. Păcurariu, R. Ianoș, R. Lazău, L. Barbu-Tudoran. Development and characterization of magnetic iron oxide nanoparticles using microwave for the combustion reaction ignition, as possible candidates for biomedical applications. *Powder Technology* 394, 1026-1038, <https://doi.org/10.1016/j.powtec.2021.08.093>, 2021 (I.F.=5.640)
33. I.L. Pîrvulescu, D. Pop, **E.A. Moacă* (*-autor corespondent)**, C.V. Mihali, C. Ilie, A. Jivănescu. Effects of Simulated Gastric Acid Exposure on Surface Topography, Mechanical and Optical Features of Commercial CAD/CAM Ceramic Blocks. *Applied Science* 11(18), 8703, <https://doi.org/10.3390/app11188703>, 2021 (I.F. = 2.838)
34. B. Kis, I.Z. Pavel, D. Haidu, M.N. Ștefanuț, Z. Diaconeasa, **E.A. Moacă**, C.A. Dehelean, S. Sipos, A. Ivan, C. Danciu. Inorganic Element Determination of Romanian *Populus nigra* L. Buds Extract and In Vitro Antiproliferative and Pro-Apoptotic Evaluation on A549 Human Lung Cancer Cell Line. *Pharmaceutics* 13(7), 986, <https://doi.org/10.3390/pharmaceutics13070986>, 2021 (I.F.= 6.525)
35. R.D. Părvănescu, C.G. Watz, **E.A. Moacă* (*-autor corespondent)**, V. Vlaia, I. Marcovici, I.G. Macașoi, F. Borcan, I. Olariu, G. Coneac, G.A. Drăghici, Z. Crainiceanu, D. Flondor (Ionescu), A. Enache, C.A. Dehelean. Oleogel Formulations for the Topical Delivery of Betulin and Lupeol in Skin Injuries-Preparation, Physicochemical Characterization, and Pharmacological-Toxicological Evaluation. *Molecules* 26(14), Article Number 4174, <https://doi.org/10.3390/molecules26144174>, 2021 (I.F. = 4.927)
36. D. Pop, R. Buzatu, **E.A. Moacă* (*-autor corespondent)**, C.G. Watz, S. Cînta-Pînzaru, L. Barbu Tudoran, F. Nekvapil, S. Avram, C.A. Dehelean, M.O. Crețu, M. Nicolov, C. Szuhaneck, A. Jivănescu. Development and Characterization of Fe₃O₄@Carbon Nanoparticles and Their Biological Screening Related to Oral Administration. *Materials* 14(13), 3556, <https://doi.org/10.3390/ma14133556>, 2021 (I.F. = 3.748)
37. **E.A. Moacă**, C.G. Watz, V. Socoliuc, R. Racoviceanu, C. Păcurariu, R. Ianoș, S. Cînta-Pînzaru, L. Barbu Tudoran, F. Nekvapil, S. Iurciuc, C. Șoica, C.A. Dehelean. Biocompatible Magnetic Colloidal Suspension Used as a Tool for Localized Hyperthermia in Human Breast Adenocarcinoma Cells: Physicochemical Analysis and Complex In Vitro Biological Profile. *Nanomaterials* 11(5), Article Number 1189, <https://doi.org/10.3390/nano11051189>, 2021 (I.F. = 5.719)
38. Fabricky, M.M.C.; Gabor, A.-G.; Milutinovici, R.A.; Watz, C.G.; Avram, Ș.; Drăghici, G.; Mihali, C.V.; **Moacă, E.-A.**; Dehelean, C.A.; Galuscan, A.; et al. Scaffold-Type Structure Dental Ceramics with Different Composition Evaluated through Physicochemical Characteristics and Biosecurity Profiles. *Materials* 14(9), 2266, <https://doi.org/10.3390/ma14092266>, 2021 (I.F. = 3.748)
39. S. Sipos, **E.A. Moacă† (†-contribuție egală)**, I.Z. Pavel, S. Avram, O.M. Crețu, D. Coricovac, R.M. Racoviceanu, R. Ghiulai, R.D. Pana, C.M. Șoica, F. Borcan, C.A. Dehelean, Z. Crainiceanu. *Melissa officinalis* L. Aqueous Extract Exerts Antioxidant and

- Antiangiogenic Effects and Improves Physiological Skin Parameters. *Molecules*, 26(8), 2369-2387; <https://doi.org/10.3390/molecules26082369>, 2021 (I.F = 4.927)
40. C.A. Szuhanek, C.G. Watz, Ș. Avram, **E.-A. Moacă**, C.V. Mihali, A. Popa, A.A. Campan, M. Nicolov, C.A. Dehelean, Comparative Toxicological In Vitro and In Ovo Screening of Different Orthodontic Implants Currently Used in Dentistry, *Materials*, 13(24), pp. 5690-5703; <https://doi.org/10.3390/ma13245690>, 2020 (I.F = 3.623)
 41. A. Faur, C. Watz, **E.A. Moacă* (*-autor corespondent)**, Ș. Avram, F. Borcan, I. Pinzaru, A. Iftode, M. Nicolov, R.A. Popovici, M. Raica, C.A. Szuhanek, C. Dehelean, Correlations on Phenolic Screening Related to In Vitro and In Ovo Assessment of *Ocimum basilicum* L. Hydro-Alcoholic Extracts Used as Skin Active Ingredient, *Molecules*, 25(22), pp. 5442-5464; <https://doi.org/10.3390/molecules25225442>, 2020 (I.F = 4.412)
 42. C.G. Farcaș, C. Dehelean, I.A. Pinzaru, M. Mioc, V. Socoliuc, **E.A. Moacă**, Ș. Avram, R. Ghiulai, D. Coricovac, I. Pavel, P.K. Alla, O.M. Cretu, C. Soica, F. Loghin, Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions, *International Journal of Nanomedicine*, 15, pp. 8175-8200; <https://doi.org/10.2147/IJN.S269630>, 2020 (I.F = 6.400)
 43. I. Macașoi, I.Z. Pavel, **A.E. Moacă**, Ș. Avram, V.L. David, D. Coricovac, A. Mioc, D.A. Spandidos, A. Tsatsakis, C. Șoica, V. Dumitrașcu, C. Dehelean, Mechanistic investigations of antitumor activity of a Rhodamine B-oleanolic acid derivative bioconjugate, *Oncology Reports*, 44(3), pp. 1169-1183; <https://doi.org/10.3892/or.2020.7666>, 2020 (I.F = 3.906)
 44. A. Duca, A. Sturza, **E.A. Moacă**, M. Negrea, V.D. Lalescu, D. Lungeanu, C.A. Dehelean, D.M. Muntean, E. Alexa, Identification of Resveratrol as Bioactive Compound of Propolis from Western Romania and Characterization of Phenolic Profile and Antioxidant Activity of Ethanolic Extracts, *Molecules*, 24(18), pp. 3368-3387; <https://doi.org/10.3390/molecules24183368>, 2019 (I.F = 3.267)
 45. **E.A. Moacă**, I.Z. Pavel, C. Danciu, Z. Crăniceanu, D. Minda, F. Ardelean, D.S. Antal, R. Ghiulai, A. Cioca, M. Derban, S. Simu, R. Chioibaș, C. Szuhanek, C.A. Dehelean, Romanian Wormwood (*Artemisia absinthium* L.): Physicochemical and Nutraceutical Screening, *Molecules*, 24(17), pp. 3087-3107; <https://doi.org/10.3390/molecules24173087>, 2019 (I.F = 3.267)
 46. **E.A. Moacă**, C.V. Mihali, I.G. Macașoi, R. Racoviceanu (Băbuță), C. Șoica, C.A. Dehelean, C. Păcurariu, S. Florescu, Fe₃O₄@C Matrix with Tailorable Adsorption Capacities for Paracetamol and Acetylsalicylic Acid: Synthesis, Characterization, and Kinetic Modeling, *Molecules*, 24(9), pp. 1727-1744; <https://doi.org/10.3390/molecules24091727>, 2019 (I.F = 3.267)
 47. **E.A. Moacă**, C. Farcaș, D. Coricovac, Ș. Avram, C.V. Mihali, G.A. Drăghici, F. Loghin, C. Păcurariu, C. Dehelean, Oleic Acid Double Coated Fe₃O₄ Nanoparticles as Anti-Melanoma Compounds with a Complex Mechanism of Activity—In Vitro and In Ovo Assessment, *Journal of Biomedical Nanotechnology*, 15(5), pp. 893-909; <https://doi.org/10.1166/jbn.2019.2726>, 2019 (I.F = 4.483)
 48. S.L. Coșarță#, **E.A. Moacă# (#-contribuție egală)**, C. Tănase, D.L. Muntean, I.Z. Pavel, C.A. Dehelean, Spruce and beech bark aqueous extracts: source of polyphenols, tannins and antioxidants correlated to in vitro antitumor potential on two different cell lines, *Wood Science and Technology*, 53(2), pp. 313-333; <https://doi.org/10.1007/s00226-018-1071-5>, 2019 (I.F = 2.109)
 49. M. Nicolov, R.M. Ghiulai, M. Voicu, M. Mioc, A.O. Duse, R. Roman, R. Ambrus, I. Zupko, **E.A. Moacă**, D.E. Coricovac, C. Farcaș, R.M. Racoviceanu, C. Danciu, C.A. Dehelean, C. Șoica, Cocrystal Formation of Betulinic Acid and Ascorbic Acid: Synthesis, Physico-Chemical Assessment, Antioxidant, and Antiproliferative Activity, *Frontiers in Chemistry*, 7(92), pp. 1-11; <https://doi.org/10.3389/fchem.2019.00092>, 2019 (I.F = 3.693)
 50. R. Ianoș*, **E.A. Moacă* (*-autor corespondent)**, A. Căpraru, R. Lazău, C. Păcurariu, Maghemite, gamma-Fe₂O₃, nanoparticles preparation via carbon-templated solution combustion synthesis, *Ceramics International*, 44(12), pp. 14090-14094; <https://doi.org/10.1016/j.ceramint.2018.04.258>, 2018 (I.F = 3.450)
 51. D. Coricovac, C. Dehelean, **E.A. Moacă**, I. Pinzaru, T. Bratu, D. Navolan, O. Boruga, Cutaneous Melanoma—A Long Road from Experimental Models to Clinical Outcome: A Review, *International Journal of Molecular Science*, 19(6), pp. 1566-1583; <https://doi.org/10.3390/ijms19061566>, 2018 (I.F = 4.183)
 52. **E.A. Moacă**, C. Farcaș, A. Ghiță, D. Coricovac, R. Popovici, N.L. Cărbă-Meiță, F. Ardelean, D.S. Antal, C. Dehelean, Ș. Avram, A Comparative Study of *Melissa officinalis* Leaves and Stems Ethanolic Extracts in terms of Antioxidant, Cytotoxic, and Antiproliferative Potential, Evidence-Based Complementary and Alternative Medicine, Article ID 7860456, pp. 1-12; <https://doi.org/10.1155/2018/7860456>, 2018 (I.F = 1.984)
 53. R. Ianoș, R. Lazău, R. Băbuță, E. Muntean, **E.A. Moacă**, C. Păcurariu, Solution combustion synthesis: A straightforward route for the preparation of chromium-doped lanthanum aluminate, LaAl_{1-x}Cr_xO₃, pink red pigments, *Dyes and Pigments*, 155, pp. 218-224; <https://doi.org/10.1016/j.dyepig.2018.03.041>, 2018 (I.F = 4.018)
 54. R. Ianoș, E. Muntean, R. Lazău, R. Băbuță (Racoviceanu), **E.A. Moacă**, C. Păcurariu, A. Dabici, I. Hulka, One-step synthesis of near-infrared reflective brown pigments based on iron-doped lanthanum aluminate, LaAl_{1-x}FexO₃, *Dyes and Pigments*, 152, pp. 105-111; <https://doi.org/10.1016/j.dyepig.2018.01.037>, 2018 (I.F = 4.018)
 55. C. Danciu, Ș. Avram, I. Pavel, R. Ghiulai, C. Dehelean, A. Ersilia, D. Minda, C. Petrescu, **E.A. Moacă**, C. Șoica, Main Isoflavones Found in Dietary Sources as Natural Anti-inflammatory Agents, *Current Drug Targets*, 19(7), pp. 841-853; <https://doi.org/10.2174/1389450118666171109150731>, 2018 (I.F = 2.277)
 56. D.E. Coricovac#, **E.A. Moacă# (#-contribuție egală)**, I. Pinzaru, C. Cițu, C. Șoica, C.V. Mihali, C. Păcurariu, V.A. Tutelyan, A. Tsatsakis, C.A. Dehelean, Biocompatible Colloidal Suspensions Based on Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Toxicological Profile, *Frontiers in Pharmacology*, 8(154), pp. 1-18; <https://doi.org/10.3389/fphar.2017.00154>, 2017 (I.F = 3.831)
 57. C. Păcurariu, **E.A. Tăculescu (Moacă)**, R. Ianoș, O. Marinică, C.V. Mihali, V. Socoliuc, Synthesis and characterization of gamma-Fe₂O₃/SiO₂ composites as possible candidates for magnetic paper manufacture, *Ceramics International*, 41(1), Part B, pp. 1079-1085; <https://doi.org/10.1016/j.ceramint.2014.09.031>, 2015 (I.F = 2.758)
 58. R. Ianoș, **E.A. Tăculescu (Moacă)**, C. Păcurariu, D. Niznansky, gamma-Fe₂O₃ nanoparticles prepared by combustion synthesis, followed by chemical oxidation of residual carbon with H₂O₂, *Materials Chemistry and Physics*, 148(3), pp. 705-711; <https://doi.org/10.1016/j.matchemphys.2014.08.038>, 2014 (I.F = 2.259)

59. M. Rajnak, J. Kurimsky, B. Dolnik, P. Kopcansky, N. Tomasovicova, **E.A. Tăculescu-Moacă**, M. Timko, Dielectric-spectroscopy approach to ferrofluid nanoparticle clustering induced by an external electric field, *Physical Review E*, 90(3), Article Number: 032310, <https://doi.org/10.1103/PhysRevE.90.032310>, 2014 (I.F = 2.288)
60. V. Păunescu, M.F. Bojin, O.I. Gavriluc, **E.A. Tăculescu**, R. Ianoș, V.L. Ordodi, V.F. Iman, C.A. Tatu, Enucleation: a possible mechanism of cancer cell death, *Journal of Cellular and Molecular Medicine*, 18(6), pp. 962-965, <https://doi.org/10.1111/jcmm.12271>, 2014 (I.F = 4.014)
61. M. Rajnak, J. Kurimsky, B. Dolnik, K. Marton, L. Tomco, **E.A. Tăculescu**, L. Vékás, J. Kovac, I. Vavra, J. Tothova, P. Kopcansky, M. Timko, Dielectric response of transformer oil based ferrofluid in low frequency range, *Journal of Applied Physics*, 114(3), pp. 034313-1 – 034313-6, <https://doi.org/10.1063/1.4816012>, 2013 (I.F = 2.185)
62. R. Ianoș, **E.A. Tăculescu**, C. Păcurariu, I. Lazău, Solution Combustion Synthesis and Characterization of Magnetite, Fe₃O₄, Nanopowders, *Journal of the American Ceramic Society*, 95(7), pp. 2236-2240, <https://doi.org/10.1111/j.1551-2916.2012.05159.x>, 2012 (I.F = 2.107)
63. M. Timko, P. Kopcansky, M. Molcan, L. Tomco, K. Marton, S. Molokac, P. Rybar, F. Stoian, S. Holotescu, **E.A. Tăculescu**, Magnetodielectric Properties of Transformer Oil-Based Magnetic Fluids, *Acta Physica Polonica A*, 121(5-6), pp. 1253-1256, <https://doi.org/10.12693/APHYSPOLA.121.1253>, 2012 (I.F = 0.531)
64. M. Timko, K. Marton, L. Tomco, J. Kiraly, M. Molcan, M. Rajnak, P. Kopcansky, R. Cimbala, F. Stoian, S. Holotescu, **E.A. Tăculescu**, Magneto-dielectric properties of transformer oil-based magnetic fluids in the frequency range up to 2 MHz, *Magnetohydrodynamics*, 48(2), pp. 427-434, <https://doi.org/10.22364/MHD.48.2.21>, 2012 (I.F = 0.550)
65. P. Papaphilippou, M. Christodoulou, O. Marinică, **E.A. Tăculescu**, L. Vékás, K. Chrissafis, T. Krasia-Christoforou, Multi-responsive polymer conetworks capable of responding to changes in pH, temperature and magnetic field: synthesis, characterization and evaluation of their ability for controlled uptake and release of solutes, *ACS Applied Materials & Interfaces*, 4(4), pp. 2139-2147, <https://doi.org/10.1021/am300144w>, 2012 (I.F = 5.008)
66. I. Savva, G. Krekos, **E.A. Tăculescu**, O. Marinică, L. Vékás, T. Krasia-Christoforou, Fabrication and characterization of magnetoresponsive electrospun nanocomposite membranes based on methacrylic random copolymers and magnetite nanoparticles, *Journal of Nanomaterials*, 578026, <https://doi.org/10.1155/2012/578026>, 2012 (I.F = 1.547)
67. P. Papaphilippou, A. Pourgouris, O. Marinică, **E.A. Tăculescu**, G.I. Athanasopoulos, L. Vékás, T. Krasia-Christoforou, Fabrication and characterization of superparamagnetic and thermoresponsive hydrogels based on oleic-acid-coated Fe₃O₄ nanoparticles, hexa(ethylene glycol) methyl ether methacrylate and 2-(acetoacetoxy)ethyl methacrylate, *Journal of Magnetism and Magnetic Materials*, 323(5), pp. 557-563, <https://doi.org/10.1016/j.jmmm.2010.10.009>, 2011 (I.F = 1.780)

I.2.3. ISI PROCEEDINGS INDEXED SCIENTIFIC ARTICLES

1. F.D. Stoian, S. Holotescu, **E.A. Tăculescu**, O. Marinică, D. Resiga, M. Timko, P. Kopcansky, M. Rajnak, Characteristic properties of a magnetic nanofluid used as cooling and insulating medium in a power transformer, 8th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2013, Bucharest, Romania, 23-25 May 2013, <https://doi.org/10.1109/ATEE.2013.6563463>, Article number 6563463, 2013
2. I. Savva, D. Constantinou, L. Evaggelou, O.M. Marinică, **E.A. Tăculescu**, L. Vékás, PEO/PLLA and PVP/PLLA-based magnetoresponsive nanocomposite membranes: Fabrication via electrospinning, characterization and evaluation in drug delivery, Euromembrane Conference, Westminster, London, United Kingdom, 23-27 September 2012, <https://doi.org/10.1016/j.proeng.2012.08.674>, Procedia Engineering, 44, pp. 1052-1053, 2012
3. I. Sawa, O.M. Marinică, **E.A. Tăculescu**, L. Vékás, T. Krasia-Christoforou, Superparamagnetic nanocomposite PEO/PLLA-based fibrous membranes: Synthesis, characterization and evaluation in drug release applications, Euromembrane Conference, Westminster, London, United Kingdom, 23-27 September 2012, <https://doi.org/10.1016/j.proeng.2012.08.673>, Procedia Engineering, 44, pp. 1050-1051, 2012
4. V. Socoliuc, **E.A. Tăculescu**, C. Podaru, A. Dobra, C. Daia, O. Marinică, R. Turcu, L. Vékás, Clustering in water-based magnetic nanofluids: investigations by light scattering methods, AIP Conference Proceedings - 8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, Rostock, Germany, 25-29 May 2010, <https://doi.org/10.1063/1.3530065>, 1311, pp. 89-95, 2010
5. R. Turcu, A. Nan, I. Crăciunescu, C. Leostean, S. Macavei, **E.A. Tăculescu**, O. Marinică, C. Daia, L. Vékás, Synthesis and characterization of magnetically controllable nanostructures using different polymers, AIP Conference Proceedings - 8th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, Rostock, Germany, 25-29 May 2010, <https://doi.org/10.1063/1.3530014>, 1311, pp. 20-27, 2010

I.2.4. ISI INDEXED SCIENTIFIC ABSTRACTS

1. **Moaca, EA**; Ali, DH; Marcovici, I; Jijie, AR; Anton, A; Cristea, AM; Draghici, GA; Watz, CG; Dehelean, CA; Oancea, C; Socoliuc, V. Taxus baccata Aril-Mediated Green Synthesis of Fe₃O₄ Nanoparticles for Lung Cancer: Antiproliferative Effects, Respiratory Safety Assessment, and Hyperthermia Potential. *Toxicology Letters*, 423, Supplement, pp. S290-S291, Meeting Abstract P22-28, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2026.112592>, 2026 (I.F.=3.1)
2. Jijie, AR; **Moaca, EA**; Ali, DH; Cristea, A; Anton, A; Minda, ID; Dehelean, CA. Cytotoxic and Anti-Clonogenic Effects of a Taxus baccata Aril-Seed Ethanolic Extract in A549 Lung Cancer Cells: An In Vitro/In Ovo Assessment. *Toxicology Letters*, 423, Supplement, pp. S443, Meeting Abstract P35-12, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2026.112928>, 2026 (I.F.=3.1)
3. Dumitrel, SI; Predescu, IA; **Moaca, EA**; Dehelean, CA; Navolan, DB. In Vitro Study of Rutin as a Potential Anticancer Agent in Ovarian Cancer Treatment. *Toxicology Letters*, 423, Supplement, pp. S226, Meeting Abstract P18-87, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2026.112456>, 2026 (I.F.=3.1)

4. Draghici, GA; Ceobanu, AL; Nica, DV; **Moaca, AE**; Cristea, AM; Coricovac, DE; Lazar, D; Dehelean, A. Eugenol-Induced Cytotoxic and Epigenotoxic Responses in Human Colorectal Cancer HT-29 Cells. *Toxicology Letters*, 423, Supplement, pp. S174, Meeting Abstract P14-40, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2026.112340>, 2026 (I.F.=3.1)
5. **E.A. Moacă**; M. Suci; M. Cenariu; R. Ianos; C. Watz; A.-R. Jijie; T. Mateescu; G.A. Draghici; C. Oancea; C.A. Dehelean. *Biologic Impact of an Iron Oxide Nanoparticle System on 2D Human Lung Carcinoma*. *Toxicology Letters*, 411, Supplement, pp. S280-S281, Meeting Abstract, P22-31, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2025.07.659>, 2025 (I.F.=2.9)
6. A.-R. Jijie; **E.A. Moacă**; O.A. Iftode; A. Smeu; A.D. Semenescu; I. Marcovici; D. Pătrașcu; I.D. Minda; F. Borcan; C.A. Dehelean. *Toxicological Profiling and Biosafety Evaluation of a Taxus baccata Aril Ethanol Extract*. *Toxicology Letters*, 411, Supplement, pp. S102-S103, Meeting Abstract, P07-10, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2025.07.269>, 2025 (I.F. = 2.9)
7. G.A. Draghici; D. Nica; A. Cristea; **A. Moaca**; C. Dehelean; M.-L. Negruțu; C. Sinescu. *Molecular Detection of High-Risk HPV in Salivary Samples: A Pilot Study within the Cross-Border ORALERT 2025 Project*. *Toxicology Letters*, 411, Supplement, pp. S171-S172, Meeting Abstract, P14-38, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2025.07.415>, 2025 (I.F.=2.9)
8. **E.A. Moaca**, I. Marcovici, A.D. Semenescu, A.R. Jijie, T. Mateescu, C.G. Watz, G.A. Drăghici, D. Flondor, C. Oancea, C.A. Dehelean. Biologic impact of green solid-lipid nanoparticles on bronchial 3D human reconstructed tissue. *Toxicology Letters*, 399, Supplement 2, pp. S113, Meeting Abstract, P02-24, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2024.07.294>, 2024 (I.F. = 2.9)
9. A.D. Semenescu, **E.A. Moaca**, C. Watz, A. Anton, A. Geamantan, A.M. Kis, C. Dumitrescu, R. Chioibas, C.A. Dehelean. Phytochemical characterization and in vitro assessment of Galium mollugo L. extract on murine melanoma cells. *Toxicology Letters*, 399, Supplement 2, pp. S101-S102, Meeting Abstract P01-77, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2024.07.266>, 2024 (I.F. = 2.9)
10. A. Geamantan, A.D. Semenescu, **A.E. Moaca**, I. Marcovici, A. Anton, C.A. Dehelean. In vitro assessment of the safety profile of caffeine and magnesium ascorbyl phosphate incorporated in HPMC on human keratinocytes. *Toxicology Letters*, 399, Supplement 2, pp. S103, Meeting Abstract P01-80, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2024.07.269>, 2024 (I.F. = 2.9)
11. G.A. Draghici, **A. Moaca**, D. Nica, S. Ardelean, S. Simu, C. Dehelean. Modulation of glucose-lipid metabolism in Type II Diabetes through butyric acid-mediated epigenetic regulation: a probiotic intervention study in mice. *Toxicology Letters*, 399, Supplement 2, pp S349, Meeting Abstract P24-03, ISSN 0378-4274, <https://doi.org/10.1016/j.toxlet.2024.07.831>, 2024 (I.F. = 2.9)
12. Semenescu, **AD; Moaca**, EA; Vlase, L; Vlase, AM; Dehelean, CA. Physicochemical screening and preliminary in vitro assessment of Galium verum L. alcoholic extract. *Toxicology Letters*, 384, Supplement 1, pp. S200-S200, Meeting Abstract P16-50, [https://doi.org/10.1016/S0378-4274\(23\)00739-7](https://doi.org/10.1016/S0378-4274(23)00739-7), 2023 (I.F = 2.9)
13. Magyari-Pavel, IZ; Vlaia, L; **Moaca, EA**; Barbu, L; Muntean, D; Cioca, A; Avram, S; Minda, D; Muntean, DM; Csuk, R; Dehelean, CA; Danciu, C. Maslinic Acid Derivative Nanoemulsion: Physicochemical Characterization, Antimicrobial Activity and Three-Dimensional (3D) Reconstructed Human Epidermal Model Screening. *Planta Medica*, 88(15), pp. 1574-1574, Meeting Abstract 386, 2022 (I.F = 2.7)
14. Coricovac, D; Pinzaru, IA; Marcovici, I; Iftode, AO; **Moaca, A**; Macasoi, I; Vlaia, L; Dehelean, C. Betulinic acid formulated as proniosomal gel - a promising candidate for skin cancer management. *Toxicology Letters*, 368, pp. S195-S195, Supplement S, Meeting Abstract P12-51, <https://doi.org/10.1016/j.toxlet.2022.07.530>, 2022 (I.F = 3.5)
15. C.G. Farcas, **E.A. Moacă**, D. Coricovac, C. Dehelean, F. Loghin. In vitro antiproliferative effects of Fe₃O₄_BA-loaded liposomes. *Toxicology Letters*, 295, pp. S113, Supplement 1, Meeting Abstract P06-26, <https://doi.org/10.1016/j.toxlet.2018.06.646>, 2018 (I.F = 3.499)
16. C.A. Dehelean, I. Pinzaru, D. Ionescu, **A. Moacă**, D. Coricovac, C. Soica. Reproducible animal models used for external toxicant tests. *Toxicology Letters*, 258, pp. S289-S289, Supplement S, Meeting Abstract P19-021, <https://doi.org/10.1016/j.toxlet.2016.06.2006>, 2016 (I.F = 3.858)

October, 2026

Prof.PhD. Elena-Alina Moacă