

Curriculum Vitae

Personal information

Name:	Ioana-Andreea Turin-Moleavin
Address:	41A Grigore Ghica Voda Alley, 700487 - Iasi, Romania
Nationality:	Romanian
E-mail:	moleavin.ioana@icmpp.ro
Maternal Language:	Romanian
Foreign language:	English (C1), French (B1)

Studies

05.2013 - 12.2013	<ul style="list-style-type: none">• Research internship at Institut Européen des Membranes (CNRS / École Nationale Supérieure de Chimie Montpellier / Université de Montpellier II), Montpellier.
2010-2012	<ul style="list-style-type: none">• Postdoctoral studies at Commissariat d'Énergie (CEA-LIST), Saclay, France
2006-2009	<ul style="list-style-type: none">• PhD studies in Chemistry at Technical University „Gh. Asachi”, Faculty of Chemical Engineering and Environmental Protection „C. Simionescu”, Iasi, Romania.
2001-2006	<ul style="list-style-type: none">• Bachelor's degree in Chemistry at technical University „Gh. Asachi”, Faculty of Chemical Engineering and Environmental Protection „C. Simionescu”, Iasi, România.

Involvement in projects (director or member)

Started in 2022	<ul style="list-style-type: none">• PN-III-P2-2.1-PED-2021-2193, <i>Formulări topice multifuncționale inovatoare, bioactive pentru gestionarea rănilor maligne (ARGOS)</i>, project manager P2: Dr. Mariana Pinteala.
Started in 2022	<ul style="list-style-type: none">• PN-III-P1-1.1-TE-2021-0739, <i>Metal oxide nanoparticles as new and effective alternatives for duodenoscope reprocessing (NanoClean)</i>, project manager: Dr. I. Roșca.
Started in 2021	<ul style="list-style-type: none">• PN-III-P4-ID-PCE-2020-1523, <i>TM Vector - Versatile molecular vectors with tailored carrying and actuating abilities, dedicated to gene and drug delivery in fight against cancer</i>, project manager: Dr. Mariana Pinteala, beneficiary: ICMPP.
2019-2020	<ul style="list-style-type: none">• Research agreement nr. 5289/09.0.8.2019 -CORTHOTEC LIMITED, London, UK (Company) and ICMPP, Iasi, Romania (Contract Research Organization – CRO), <i>Formulation of bio-absorbable class III medical device for local drug delivery</i>, coordinator proiect: Dr. Mariana Pinteala.
2018-2020	<ul style="list-style-type: none">• PCCDI/04.04.2018, <i>Intelligent therapies for non-communicable diseases based on controlled release of pharmacological compounds from encapsulated engineered cells and targeted bionanoparticles (intera)</i>,

	responsabil: Dr. Gh. FUNDUEANU.
2015-2021	<ul style="list-style-type: none"> • <i>SupraChem Lab – ERA CHAIR initiative H2020-WIDESPREAD-2014-2015 - Laboratory of supramolecular chemistry for adaptive delivery systems era chair initiative, contract 667387</i>, project managers: M. Pinteală, T. Rusu.
2012-2015	<ul style="list-style-type: none"> • PN-II-ID-PCCE-2011-2-0028, <i>Biologically inspired systems for engineered structural and functional entities</i>, project manager: dr. Mariana Pinteala, beneficiary: ICMPP.
2011-2012	<ul style="list-style-type: none"> • Programme de cooperation CEA-IFA C1-01, <i>Photo-sensitive azopolymers BIOAZO</i>, project manager: dr. Ioana Moleavin, beneficiary: Commissariat Energie Atomique, Saclay, France.
2010-2013	<ul style="list-style-type: none"> • CD-01/2010, Bilateral cooperation project IFA-CEA: <i>Photosensitive Azopolymers for Biological Applications</i>, project manager for CEA: Licinio Rocha, beneficiary: Comisariatul de Energie Atomica, Franta.
2006-2008	<ul style="list-style-type: none"> • CEEX 107 / 09.10.2006, <i>Sisteme azopolimerice nanostructurate cu aplicații în microelectronică și biologie (AZONANO)</i>, project manager: Prof. Nicolae Hurduc, beneficiary: Technical University “Gh. Asachi” Iasi.

Scientific Domains

- A. Fifere, I.A. Turin-Moleavin, A.L. Lungoci, N.L. Marangoci, M. Pinteala, *Inorganic Nanoparticles as Free Radical Scavengers*. Book chapter in: M.J.M. Abadie, M. Pinteala, A. Rotaru, *New Trends in Macromolecular and Supramolecular Chemistry for Biological Applications*, Ed. Springer, Switzerland, pp. 295-329 (2021).
- I.A. Turin-Moleavin, A. Fifere, A.L. Lungoci, I. Rosca, A. Coroaba, D. Peptanariu, V. Nastasa, S.A. Pasca, A.C. Bostanaru, M. Mares, M. Pinteala, *In Vitro and In Vivo Antioxidant Activity of the New Magnetic-Cerium Oxide Nanoconjugates*. *Nanomaterials*, 9, 1565 (2019).
- I.A. Turin-Moleavin, F. Doroftei, A. Coroaba, D. Peptanariu, M. Pinteala, A. Salic, M. Barboiu, *Dynamic constitutional frameworks (DCFs) as nanovectors for cellular delivery of DNA*. *Organic & Biomolecular Chemistry*, 13(34), 9005-9011 (2015).
- Moleavin, A. Rusu, L. Rocha, M. Hamel, N. Hurduc
Copolymer with polysiloxane main chain such as poly((dialkyl 1-4C)siloxane) comprising repeating units bearing side chain distributed along main chain, useful in chemical sensor for detecting and/or determining targets molecule(s)
Numar brevet: FR3007032-A1 (2014), Commissariat Energie Atomique, Saclay, France.
- N. Hurduc, R. Enea, A.M. Resmerita, I. Moleavin et al - *Modified Azo-Polysiloxanes for Complex Photo-Sensible Supramolecular Systems*
Editor: F. Ganachaud, S. Boileau, B. Boury, *Silicon Based Polymers: Advanced in Synthesis and Supramolecular Organization*, Pag: 65-83 (2008).

Personal Skills

Task-oriented, pro-active, creative, open-minded, organized, flexible, optimistic, team-worker.

Skills related to the research activity

Design and synthesis of new chemical compounds as well as their characterization by different methods: UV-Vis Spectroscopy (Boeco S-22 UV; UV-1700 Shimadzu, Beckman Coulter); contact angle measurements (EasyDrop standard goniometer); fluorescence spectroscopy (Shimadzu RF-5301PC; Fluoromax-4P Spectrofluorimeter, Horiba Jobin Yvon); ¹H-NMR spectroscopy (Bruker 400 MHz spectrometer); hydrodynamic diameter and Zeta potential measurements (Dynamic Light Scattering: Malvern Zetasizer Nano ZS; Delsa Nano, Beckman Coulter); agarose gel retardation assay; antioxidant capacity evaluation using DPPH method.

Digital skills

MS Office (Word, Excel, PowerPoint), Origin, ChemDraw, ACDS Photo, Internet Explorer.

Scientific Contribution

- 23 articles published in international journals (ISI listed);
- 3 book chapters;
- 2 patents;
- 18 participation in scientific events (2 prizes for poster presentation);
- team member in 10 research-development-innovation projects.

Scientific Vizibility (Hirsh, Citations, etc.)

According to ISI Web of Science, January 2023, as Moleavin I and Turin Moleavin I:

- H-index: 10,
- Total citations (without auto-citations): 220.