

Curriculum Vitae

Personal information

Name:	Ioan-Andrei Dascalu
Date and place of birth	06.07.1985 Iasi, Romania
Adress:	Iasi Romania
Gender:	Male
Nationality:	Romanian
Phone number:	+40757628544
E-mail:	idascalu@icmpp.ro
Maternal Language:	Romanian
Foreign language:	English, French

Studies

2004-2008	<ul style="list-style-type: none">B.Sc. Chemistry "Alexandru Ioan Cuza" University of Iasi
2008-2009	<ul style="list-style-type: none">M.Sc. Chemistry-Polymeric Biomaterials Technical University "Gh. Asachi" from Iasi
2009-2016	<ul style="list-style-type: none">Ph.D. in Chemistry – "Nanoconjugates with fullerene C60 core with subcellular dimensions for biomedical applications" The Romanian Academy, Chemical Sciences Section, "Petru Poni" Institute of Macromolecular Chemistry, Iași (Romania)

Involvement in projects (director or member)

Project Director 2020-2022	<ul style="list-style-type: none">PN-III-P1-1.1-PD-2019-1303, Metal-organic frameworks based on fluorinated terphenylic ligands for gas storage and separation. https://icmpp.ro/ro/proiecte/11/despre.php?id=19
Project member 2016-2020	<ul style="list-style-type: none">European Social Fund for Regional Development, Competitiveness Operational Programme Axis 1 – Project "Novel Porous Coordination Polymers with Organic Ligands of Variable Length for Gas Storage", POCPOLIG (ID P_37_707, Contract 67/08.09.2016, cod MySMIS: 104810)
Project member 2016-2020	<ul style="list-style-type: none">SupraChem Lab - Laboratory of supramolecular chemistry for adaptive delivery systems Era Chair initiative, H2020 project, (contract no. 667387) at "Petru Poni" Institute of Macromolecular Chemistry, Center for Advanced Research in Bionconjugates and Biopolymers (IntelCentru), Iasi, Romania

Scientific Domains

- Functional aromatic derivatives as metal-organic framework ligands;
- Metal-organic frameworks;
- Magnetic nanoparticles;
- chemistry and applications of fullerene and cyclodextrin derivatives;
- X ray powder diffraction;
- compound characterization using various analytical techniques (NMR, XPS, IR, MS).

Personal Skills

- Effective communication and collaboration in research project teams.
- Individual work ability and individual elaboration of scientific reports in the field of research.
- Creativity.
- Dependability.

Skills related to the research activity

- Advanced knowledge of characterization methods of the chemical compounds, recording and interpretation of FTIR, UV-VIS, TGA data.
- NMR sample preparation and interpretation of acquired spectra.
- Basic knowledge of characterization and analysis techniques for small and macromolecular molecules: ESI-MS, SEM, TEM, SAX, XPS, DSC and GPC.
- X ray powder diffraction sample preparation, data recording and interpretation.

Digital skills

- Effective use of the Microsoft Office suite (Word, Excel, PowerPoint, Outlook), scientific programs (ChemDraw, Origin, MestReNova, ChemSketch, ImageJ, ACD Spectrus Processor, Match) and other applications in the scientific activity.
- Advanced knowledge in using databases with scientific literature ISIWeb of Science, ScienceDirect, Scopus, Reaxys, SciFinder.

Scientific Contribution

- 27 scientific papers published in ISI rated journals.
- 3 oral presentations at national and international events.
- 1 book chapter published.

Scientific Vizibility (Hirsh, Citations, etc.)

- H-index: 8 (according to ISI Web of Science, February 2023).
- Total citations (without auto-citations): 181 (according to ISI Web of Science, February 2023).