

Curriculum Vitae

Personal information

Name:	Bogdan Florin Craciun
Date and place of birth	April 20 1990, Brasov, Romania
Adress:	Iasi, Romania
Gender:	Male
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Maternal Language:	Romanian
Foreign language:	English (B2)

Studies

Oct. 2020	<ul style="list-style-type: none">Ph.D. degree in Chemistry, PhD thesis: “Conjugates for drugs and genes delivery”, scientific leader dr. Mariana Pinteala.
2019	<ul style="list-style-type: none">Two months research mobility at University of Florence, Neurofarba Department, Section of Pharmaceutical and Nutriceutical Sciences, Florence, Italy.
2016 – 2020	<ul style="list-style-type: none">PhD studies of the Romanian Academy at “Petru Poni” Institute of Macromolecular Chemistry, Iasi.
2014	<ul style="list-style-type: none">Master’s degree, master thesis title: „Synthesis of novel 1,3-dithiol derivatives” developed under the direction of Prof. Dr. Habil. Mihail-Lucian Birsa (promotion score 9.5 / 10).
2012 – 2014	<ul style="list-style-type: none">Master studies at “Al. I. Cuza” University, Faculty of Chemistry, Iasi, Romania (promotion score 9.35 / 10).
2013	<ul style="list-style-type: none">Three months practice mobility - LLP-Erasmus scholarship at ”Carolo Willhelmina” Technical University of Braunschweig, Institute of Inorganic and Analytical Chemistry, Department of Organo-metallic Chemistry, Braunschweig, Germany.
2012	<ul style="list-style-type: none">One month volunteer internship at Medical Analysis Laboratory, Emergency Hospital “Elena Beldiman” from Barlad, Romania.
2012	<ul style="list-style-type: none">Bachelor’s degree, bachelor thesis: „Halogenated Compounds”, developed under the direction of Prof. Dr. Habil. Mihail-Lucian Birsa (promotion score 9.5 / 10).
2009 - 2012	<ul style="list-style-type: none">Bachelor studies at “Al. I. Cuza” University, Faculty of Chemistry, Iasi, Romania (promotion score 9.27 / 10).

Involvement in projects (director or member)

Dec. 2022 – present	<ul style="list-style-type: none"> • Member in <i>Multi-Scale In Silico Laboratory for Complex and Smart Biomaterials</i>, BioMat4CAST Horizon-Widera 2022 project, grant number: 101086667 (https://biomat4cast.icmpp.ro) at PPIMC, IntelCentru, Iasi, Romania.
Oct. 2022 – present	<ul style="list-style-type: none"> • Member in <i>Innovative multifunctional, bioactive topical formulation for the management of malignant wounds</i>, ARGOS project, grant number: PN-III-P2-2.1-PED-2021-2193 at PPIMC, IntelCentru, Iasi, Romania.
Apr. 2022 - present	<ul style="list-style-type: none"> • Project director in <i>Squalenoylation and micellar encapsulation as an effective approach for enhancing the biological properties of the antitumoral and antimicrobial drugs</i>, Drug-ReSQue project, grant number: PN-III-P1-1.1-PD-2021-0606 at PPIMC, IntelCentru, Iasi, Romania.
Apr. 2021 - present	<ul style="list-style-type: none"> • Member in <i>Versatile molecular vectors with tailored carrying and actuating abilities, dedicated to gene and drug delivery in fight against cancer</i>, TM-Vector project, grant number: PN-III-P4-ID-PCE-2020-1523 at PPIMC, IntelCentru, Iasi, Romania.
Jan. 2021 - present	<ul style="list-style-type: none"> • Member in <i>Restore Her2 dependent sensibility using AXL inhibitors packed in pH dependent nanostructures</i>, NanoHER2Restore EEA project, grant number: EEA-RO-NO-2018-0246 at PPIMC, IntelCentru, Iasi, Romania.
Nov. 2018 – oct. 2020	<ul style="list-style-type: none"> • Member in <i>Dynamic Constitutional Platforms for Targeted Drug Delivery</i>, DynaCoPlat project, grant number: PN-III-P1-1.1-TE-2016-1180 at PPIMC, IntelCentru, Iasi, Romania.
Jul. 2018 – Jun. 2022	<ul style="list-style-type: none"> • Member in <i>Mimicking living matter mechanisms by five-dimensional chemistry</i>, 5D-nanoP project, grant number: PN-III-P4-ID-PCCF-2016-0050 at PPIMC, IntelCentru, Iasi, Romania.
Apr. 2018 – Dec. 2020	<ul style="list-style-type: none"> • Member in <i>Intelligent therapies for non-communicable diseases based on controlled release of pharmacological compounds from encapsulated engineered cells and targeted bionanoparticles</i>, INTERA project, contract number: 13PCCDI/2018 at PPIMC, IntelCentru, Iasi, Romania.
Mar. 2018 – Dec. 2020	<ul style="list-style-type: none"> • Member in <i>Antitumoral theranostic platforms based on carbon dots and polymer matrices</i>, TERADOT project, contract number: 37PCCDI/2018 at PPIMC, IntelCentru, Iasi, Romania.
Jun. 2016 – Jun. 2020	<ul style="list-style-type: none"> • Member in <i>SupraChem Lab Suport</i>, project, contract number: 5/2016 at PPIMC, IntelCentru, Iasi, Romania.
Apr. 2016 – Jun. 2020	<ul style="list-style-type: none"> • Member in <i>Laboratory of Supramolecular Chemistry for Adaptive Delivery Systems</i>, SupraChem Lab, H2020 ERA Chair project, grant number: 667387, at PPIMC, IntelCentru, Iasi, Romania.

Scientific Domains

- Synthesis, purification and physicochemical characterization of small molecular organic compounds and macromolecular compounds.
- Synthesis, purification and characterization of different non-viral vectors and drug delivery systems.
- Studies of the interactions between the obtained non-viral vectors and biologically active materials (nucleic acids) using agarose gel electrophoresis.
- *In vitro* studies for the release of the therapeutic drugs.
- *In vitro* cytotoxic activity studies on different cell lines of the obtained non-viral vectors/drug delivery systems.
- *In vitro* transfection efficiency studies on different cell lines of the obtained polyplexes.

Personal Skills

- Teamwork skills acquired during the study years as well as in the research projects.
- Individual work ability and individual elaboration of scientific reports on the field of research.
- Communicative and creative person, skills acquired in participation at different trainings and scientific manifestations.

Skills related to the research activity

- Advanced knowledge of characterization methods of the chemical compounds, recording and interpretation of FTIR, UV-VIS, Fluorescence, DLS and CD spectra.
- NMR sample preparation and interpretation of acquired spectra.
- Basic knowledge of characterization and analysis techniques for small and macromolecular molecules: SEM, AFM, TEM, SAX, DRX, XPS, DSC and GPC

Digital skills

- Good knowledge of the Microsoft Office suite (Word, Excel, PowerPoint, Outlook), scientific programs (ChemDraw, Origin, MestReNova, ChemSketch, ImageJ, GraphPad) and other applications in the scientific activity (Browser, e-mail, Paint, Photoshop, MediaPlayer, WebStorage).
- Basic knowledge of HTML and PHP programming as well as MySQL databases.
- Advanced knowledge in using databases with scientific literature ISIWebofScience, ScienceDirect, Scopus, Reaxys, SciFinder.

Scientific Contribution

- **10** scientific papers published in ISI rated journals and **1** book chapter.
- over **20** participations at national and international conferences.

Scientific Vizibility (Hirsh, Citations, etc.)

- *H*-index: **5** (according to ISI Web of Science, February 2023).
- Total citations (without auto-citations): **50** (according to ISI Web of Science, February 2023).