

PERSONAL INFORMATION Mihai Bordeiașu



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WORK EXPERIENCE

14/07/2023 - Present

Research Assistant

Research Center for Catalysts and Catalytic Processes, Faculty of Chemistry, University of Bucharest, Bucharest (Romania)

23/09/2024 – 23/12/2024

Chemist

Eurofins Asbestos Testing Romania SRL, Bucharest (Romania)

EDUCATION AND TRAINING

01/10/2021 – Present

PhD in Chemistry

Doctoral School of Chemistry, Faculty of Chemistry, University of Bucharest, Bucharest, Romania – PhD supervisors: Prof. Simona Margareta Coman (RO), Prof. UAM. Joanna Gościńska (PL).

- The doctoral thesis was official submitted to the Secretariat of the Doctoral School in Chemistry, University of Bucharest on 12.03.2026

01/10/2019 – 02/07/2021

MSc in Chemistry

„Chemistry of Advanced Materials” master program, Faculty of Chemistry, University of Bucharest, Bucharest, Romania

03/10/2016 – 27/06/2019

BSc in Chemistry

Specialization - Medicinal Chemistry, Faculty of Chemistry, University of Bucharest, Bucharest, Romania

02/09/2018 – 17/09/2018

Internship

Research Center for Theoretical and Applied Inorganic Chemistry, Faculty of Chemistry, University of Bucharest, Bucharest (Romania)

03/07/2018 – 13/07/2018

Specialized practice

SYNEVO CENTRAL LAB CLINICAL TRIALS S.R.L., Bucharest (Romania)

Testing methods in specialized laboratories - biochemistry, immunochemistry, immunology, toxicology, hematology, genetics, cytology, histopathology

01/09/2012 – 02/06/2016

Baccalaureate Diploma

Theoretical High School "C. A. Rosetti", Natural Sciences specialization, Bucharest, Romania

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

French	A2	A2	A1	A1	A1
Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user Common European Framework of Reference for Languages					

Driving licence B

Communication skills A strong sense of responsibility and commitment, honest, respectful. Accuracy, rapidity, result orientation, tenacity, distributive attention.

Job-related skills

- Ability to work on a team, but also individually
- Interactive communication
- Good organization and efficient use of time

Ability to cope with a large number of activities in relation to the imposed deadlines

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem-solving
	Independent user	Independent user	Independent user	Basic user	Basic user

Digital skills - Self-assessment grid

Good use of MS Office Package (Word, PowerPoint, Excel) and some specialized software: SymyxDraw, Diamond, Mercury, Spectra Manager, OPUS, Origin

Technical skills

- Inorganic and hybrid organic-inorganic materials preparation
- Chemical synthesis
- Heterogeneous catalysis: oxidation, hydrogenation, biomass valorization
- Solid material characterization: FTIR, DRIFT, ATR, UV-Vis, PXRD, BET, TPD
- Analysis methods: GC-MS, GC-FID
- Ability to process and interpret experimental data

Projects Chemo-catalytic paradigms in multiphase waste valorization – Center of Excellence for Circular Chemistry and Economy (ChemBioCatCirEcon) – PN-IV-P6-6.1-CoEx-2024-0053, 2026 – Present

- Chemist, member in project team

MOFs-COFs composites for the selective and stereoselective catalytic reactions – PN-IV-P1-2023-1254, 2025 – Present

- Chemist, member in project team

Integrated research and sustainable solutions to protect and restore Lower Danube Basin and coastal Black Sea ecosystems (ResPonSE) – PNRR/2022-C9-I5, 2023 – 2026

- Chemist, member in project team

The Education, Scholarship, Apprenticeships and Youth Entrepreneurship Programmer—EEA Grants 2014-2021, Project No. 18-Cop-0041

- partner in the GREENCAM project, institutional collaboration between Romania and Norway

Articles **M. Bordeiasu**, J. Goscianska, A. Nicolaev, S.A. Nicolae, M.C. Istrate, B. Cojocaru, B. Jurca, V.I. Parvulescu, S.M. Coman (2026): Iron as an efficient dopant in Co-N-carbon frameworks for highly selective furfural hydrogenation, Appl. Catal. A: General, 725, 121138

M. Bordeiasu, J. Goscianska, R. Panek, A. Nicolaev, B. Jurca, V.I. Parvulescu, S.M. Coman (2025): Magnetic Fe,Co-Nanocarbon Frameworks Derived from Fe-Doped

Zeolitic Imidazolate Framework-67 as Highly Active Catalysts for 5-Hydroxymethylfurfural Oxidation, ChemSusChem, E202500678

O.A. Petcuta, N.C. Guzo, **M. Bordeiasu**, A. Nicolaev, V.I. Parvulescu, S.M. Coman (2025): Ru/Beta Zeolite Catalysts for Levulinic Acid Hydrogenation: The Importance of Catalyst Synthesis Methodology, Catalysts, 15, 80

M. Bordeiasu, A. Ejsmont, J. Goscianska, B. Cojocar, V.I. Parvulescu, S.M. Coman (2023): Catalytic oxidation of biomass-derived 5-hydroxymethylfurfural to 5-hydroxymethyl-2-furancarboxylic acid by Co-based MOFs, Appl. Catal. A: General, 657, 119147

Awards FEZA Student Grant (2023)

- Grand awarded by The Federation of the European Zeolite Associations (FEZA) for the participation at 9th Conference of FEZA.

ADDITIONAL INFORMATION

Volunteer experiences

„The European Researchers' Night” (EDITIONS XVI 2021, XV 2020, XIV 2019)

"Centenary of the Great Union of 1918" at the Faculty of Chemistry, University of Bucharest (October 26 - December 22, 2018) - a series of conferences dedicated to Romanian chemists of the last century

ChemJOBS 2018, 2019

"Chemistry - friend or foe?!" (EDITIONS XII 2018, XI 2017) - National stage

"World Environment Day" (June 3, 2015) - municipal activity initiated by the European Club of the Economic College "Virgil Madgearu" (Bucharest)

"Counseling program for pupils and students in medicine and surgery practice" (2014-2015) - professional counseling and guidance program, within the framework of the POSDRU/161/2.1/G/134858 project, held at the Emergency Clinical Hospital "Sf. Pantelimon", Bucharest

12.03.2026

Mihai Bordeiașu