

## CURRICULUM VITAE

**Name:** MARCU  
**First name:** IOAN-CEZAR  
**Title:** *Dr. Habil.*  
**Place of birth:** Cluj-Napoca, Romania  
**Date of birth:** the 27<sup>th</sup> of June 1971

**Actual position:** **Professor of Chemical Technology & Catalysis, Head of Department**  
**Affiliation:** Lab of Chemical Technology & Catalysis, *Dept. of Inorganic & Organic Chemistry, Biochemistry & Catalysis, Faculty of Chemistry, University of Bucharest*  
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### STUDIES & ACADEMIC QUALIFICATIONS

July 2013 **Habilitation** in Chemistry at the University of Bucharest with the dissertation “Catalysis by oxides: conversion of light organic molecules” (the committee report [here](#))

1996-2002 **Doctorate** jointly supervised at the University of Bucharest and, since 1999, the University “Claude Bernard” Lyon 1, France (highest distinction “Très Honorable avec Félicitations”) Supervisors: Prof. Ioan Săndulescu & Dr. Jean-Marc M. Millet  
Field of Specialization: *Catalysis and Physical-Chemistry of Interfaces*

1995-1996 **M. Sc.** at the Faculty of Chemistry, University of Bucharest  
Field of Specialization: *Catalysis and Heterogeneous Catalytic Processes*

1990\*-1995 **B. Sc.** at the Faculty of Chemistry, University of Bucharest  
Field of Specialization: *Chemistry and Physics*

1985-1989 “Mihai Eminescu” Industrial High School of Botoșani, Romania  
Profile: *Industrial Chemistry*

### PROFESSIONAL EXPERIENCE

2020-present **Full Professor** at the Department of Inorganic & Organic Chemistry, Biochemistry & Catalysis, Faculty of Chemistry, University of Bucharest

2014-present **PhD supervisor** in the field of **Chemistry – Heterogeneous Catalysis** at the Doctoral School in Chemistry, University of Bucharest

2007-present **Senior Researcher** at the Research Center for Catalysts & Catalytic Processes, University of Bucharest

2005-2020 **Associate Professor** at the Dept. of Chemical Technology & Catalysis / Dept. of Organic Chemistry, Biochemistry & Catalysis, Faculty of Chemistry, University of Bucharest

2002-2005 **Lecturer** at the Department of Chemical Technology & Catalysis, Faculty of Chemistry, University of Bucharest

1998-2002 **Tenured Assistant** at the Department of Chemical Technology & Catalysis, Faculty of Chemistry, University of Bucharest

1995-1998 **Temporary Teaching Assistant** at the Department of Chemical Technology & Catalysis, Faculty of Chemistry, University of Bucharest

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\* 1989-1990: Mandatory military service.

## RESEARCH TRAININGS ABROAD

- **Post-Doc position (CNRS)** at *Institut Charles Gerhardt, Laboratoire des Matériaux Avancés pour la Catalyse et la Santé*, Montpellier, France, from the 1<sup>st</sup> of October **2006** to the 30<sup>th</sup> of September **2007** (Advisor: Dr. François Fajula).
- **PhD research positions (MIRA scholarships)** at *Institut de Recherches sur la Catalyse – CNRS* associated to *Université “Claude Bernard” Lyon I*, Villeurbanne, France, from February the 1<sup>st</sup> to July the 31<sup>st</sup> **2002**, **2001** and **2000** (Supervisor: Dr. Jean-Marc M. Millet).

## DOMAINS OF COMPETENCE

- Metal oxide-based catalysts: preparation, characterization and catalytic applications.
- *In situ* electrical conductivity measurements of semi-conducting oxide catalysts.
- Layered double hydroxides (LDH) and ex-LDH mixed oxides catalytic materials.
- Catalytic activation and functionalization of light alkanes: selective oxidation, total oxidation.
- Catalytic organic transformations: hydrodeoxygenation, condensation, oxidation, esterification.
- Flue gas desulfurization by selective adsorption of sulfur dioxide.

## AWARDS

- **The Prize of the Senate of the University of Bucharest** for *“The most prestigious publication”* in the field of Exact Sciences and Engineering, the book chapter “Recent Innovative Developments of Layered Double Hydroxide-Based Hybrids and Nanocomposite Catalysts” (co-authored with Mayra G. Álvarez and Didier Tichit), Bucharest, **2022**.
- **The Grand Prize “Dissertation of the year”** awarded by the Senate of the University of Bucharest for supervising the work „Study of cobaltite-based catalytic materials for methane combustion” authored by Marius-Alexandru MIHAI, Bucharest, **2020**.
- **The Prize of the Senate of the University of Bucharest** for *“The best master dissertation”* supervised in the field of Exact Sciences and Engineering (author Marius-Alexandru MIHAI), Bucharest, **2020**.
- **Honorary Diploma** awarded by the Romanian Chemical Society “for outstanding contribution in promoting chemistry”, Bucharest, **2019**.
- **Peer Review Award 2018** “for placing in the top 1 % of reviewers in Cross-Field on Publons’ global reviewer database”.
- **The Prize of the Senate of the University of Bucharest** for *“The best bachelor thesis”* supervised in the field of Exact Sciences and Engineering (author Ștefan-Bogdan IVAN), Bucharest, **2017**.
- **Researcher of the Year - 3<sup>rd</sup> Prize**, Gala of Prizes in Education, Bucharest, **2010**.
- The **Young Scientist Prize** of *International Association of Catalysis Societies*, in recognition of the contribution “Reaction mechanism of n-butane oxidative dehydrogenation over tetravalent pyrophosphates catalysts” presented at the 13<sup>th</sup> International Congress on Catalysis, Paris, July 16<sup>th</sup>, **2004**.

## OTHER DIPLOMAS

- **Advanced French Language Diploma (Diplôme Approfondi de Langue Française – DALF)**, Institut Français de Bucarest, **2005**.

## MEMBER OF PROFESSIONAL SOCIETIES

- The Romanian Catalysis Society.
- The Romanian Chemical Society.

## SERVICE TO THE UNIVERSITY COMMUNITY

- Member in the National Commission for Attestation of University Titles, Diplomas and Certificates (CNATDCU) - The Chemistry Commission – 2024 - to present.
- Elected member of the Scientific Council of the Doctoral School in Chemistry – 2021 - to present.

- Member in the Materials Science Commission of the National Council for Scientific Research – 2020 - 2024.
- Elected member of the Scientific Council of the Faculty of Chemistry – 2008 - to present.
- Elected member of the Council of the Department of Inorganic and Organic Chemistry, Biochemistry and Catalysis – 2022 - to present.
- Elected member of the Council of the Department of Organic Chemistry, Biochemistry and Catalysis – 2011 - 2022.
- Coordinator of the Practical Training of the students of the Faculty of Chemistry – 2007 - to present.
- Member of the dissertation committee, master Chemistry of Advanced Materials – 2010 - to present.
- Member of the bachelor's degree committee, Chemistry program – 2021 - to present.
- Member of the Commission for Programs of the Faculty of Chemistry – 2020 - to present.
- Member of the Commission for Internal Regulations of the Faculty of Chemistry – 2020 - to present.

## TEACHING EXPERIENCE

### GIVEN COURSES

#### **Master's level**

- *Catalytic Materials* (in Romanian and, starting from 2011, in English) – 2008 - to present
- *Methods of Preparation and Characterization of Catalysts* – 2002 - 2007

#### **Bachelor's level**

- *Elements of Catalysis and Biocatalysis* – 2025 - to present
- *Chemical Technology* – 2008 - to present
- *Micro- and Mesoporous Materials for Catalysis* – 2008 - 2022
- *Chemistry and Technology of Materials* (in Romanian and in French) – 1999 - 2007
- *Principles of Heterogeneous Catalysis* (in Romanian and in French) – 2002 - 2007

### LABORATORY PRACTICAL WORKS – on the disciplines mentioned above and on the following ones:

- *Selectivity Effects in Catalysis* – master's level
- *Methods and Processes for Depollution of Gases* – master's level
- *Non-conventional Raw Materials and Processes* – bachelor's level

### DIPLOMA WORKS SUPERVISED

#### **Master's level: 9**

**Bachelor's level: 29** (of which **20 Erasmus students** from *Institut Universitaire de Technologie – Université Paul Sabatier Toulouse III*)

### PhD THESES SUPERVISED

#### **Defended theses**

- “Transition-metal-containing LDH-based catalysts for benzyl alcohol hydrodeoxygenation” by Claudiu Eduard RIZESCU, defended on December 12, **2025**.
- “Perovskite-based materials for photocatalytic applications” by Florin ANDREI, defended on November 14, **2025**.
- “Cobalt-containing ex-LDH mixed oxide systems as catalysts for the total oxidation of methane” by Marius-Constantin STOIAN, defended on July 18, **2025**. The thesis is available at the URL: <https://theses.hal.science/tel-05171331>
- “Layered double hydroxide-based catalysts for fine organic synthesis” by Alexandra-Elisabeta STAMATE, defended on December 16, **2022**. The thesis is available at the URL: <https://theses.hal.science/tel-03906532>

- “Transition-metal-containing LDH-derived mixed oxides as catalysts for methane combustion” by Hussein Mahdi S. AL-AANI, defended on September 16, **2020**. The thesis is available at the URL: <https://theses.hal.science/tel-02946422>

**Submitted theses** available at the URL: <https://rei.gov.ro/teze-consultare>

- “NiO-based catalysts for ethane oxydehydrogenation” by Ștefan-Bogdan IVAN, started in October 2019. Unique code: CO-4987; publication code: F-CO-4981/23.09.2025.

## **INTERACTION WITH THE PRE-UNIVERSITY EDUCATIONAL ENVIRONMENT**

### ***First didactic degree works supervised***

- “The role of the laboratory experiment in the study of double-replacement reactions in the 8<sup>th</sup> grade” elaborated by Daniela BĂȘANU (married VASILE), teacher at “Anatol Ghermanschi” Middle School no. 27, Brașov, in **2025**.
- “Interactive didactic methods for teaching of amines” elaborated by Mihaela Cătălina CIMPOEȘU, teacher at “Emil Racoviță” High School of Natural Sciences Brașov, in **2023**.
- “The role of the laboratory experiment in the study of chemistry in the middle school” elaborated by Maria Narcisa MOCANU, teacher at Middle School no. 3 Popești – Leordeni, Ilfov, in **2018**.
- “Effective teaching strategies used in the study of simple substances” elaborated by Alina VLAD, teacher at Middle School Putineiu, Teleorman, in **2012**.

### ***Training of the National Chemistry Olympiad team***

- Training of the selected team in the field of Heterogeneous Catalysis, in June **2017**.
- Training of the extended team in the field of Chemical Technology and Catalysis, in May **2017**.
- Training of the selected team in the field of Heterogeneous Catalysis, in June **2004**.

### ***Final secondary school examination – president of the examination commission***

- “Tiberiu Popoviciu” High School of Computer Science from Cluj-Napoca, in June-July **2014** session.
- “Ion Mincu” Technical High School from Craiova, in June-July **2009** session.
- “Ioniță Asan” National High School from Caracal, in June-July **2005** session.
- “Mihai Eminescu” Theoretical High School from Călărași, in June-July **2003** session.

## **RESEARCH GRANTS**

### ***As a grant director: 3***

- New M-Mg-Al-O mesostructured oxide-based catalysts from hydrotalcite precursors for catalytic combustion and oxidative dehydrogenation of light alkanes, Grant IDEI 1906, financed by ANCS-UEFISCDI, **2009-2011**. Financing level: initially approved: 1,000,000 lei (~ 250,000 euro); real: 264,166 lei (~ 66,000 euro).
- Oxydehydrogenation of C4 alkanes over phosphate and phosphated oxide type catalysts in presence of carbon dioxide, Grant 1064 A, financed by CNCSIS, **2006-2008**. Financing level: 144,000 lei (~ 40,000 euro).
- Oxidative dehydrogenation of light alkanes over phosphate-type catalysts, Grant 129 At, financed by CNCSIS, **2004-2005**. Financing level: 16,360 lei (~ 4,500 euro).

### ***As a project coordinator - postdoctoral advisor: 1***

- New LDH-derived trimetallic mixed oxides, catalysts for light alkanes combustion, Grant PN-II-RU-PD-2011-3-0160, financed by ANCS-UEFISCDI, **2011-2013**. Financing level: 300,000 lei (~ 70,000 euro) (postdoctoral fellow: Dr. M. Răciulete).

### ***As a project coordinator - student/master student supervisor: 2***

- Study of NiO-based catalysts for the oxidative dehydrogenation of ethane, grant PN-II-RU-BT-2014-2-0007 financed by UEFISCDI within the frame of Young Researcher Fellowship programme, **Jan 2015 – Sep 2017**. Financing level: 101,337 lei (~ 22,500 euro) (stud. Ş.-B. Ivan).
- Enhancing the selectivity of ceria-based catalysts in propane oxydehydrogenation reaction, contract 19601.8/11.11.2011 financed by the University of Bucharest within the frame of Scientific Performance Fellowship programme, **Oct 2011 – Jun 2012** (stud. I.-T. Trotaş).

*As a member of the research team: 7*

## **PUBLICATIONS & SCIENTIFIC COMMUNICATIONS**

- University textbooks: **6**, of which **4** Course notes and **2** Laboratory manuals.
- Book chapters: **3**.
- Encyclopedias' articles: **4**.
- Didactic contributions: **9**.
- Editorials: **3**.
- Research papers: **98**, of which:
  - **83** in journals indexed in Scopus and Web of Science (67 as a main author),
  - **13** in journals indexed in other international databases (8 as a main author),
  - **2** in proceedings (as a main author).
- **Scientific communications** (published in book of abstracts): **77** (of which **46** oral presentations).
- **Invited lectures** at national and international conferences: **13**.
- **Invited seminars: 18**.

## **PROFESSIONAL RECOGNITION**

- **Guest Editor for international journals:**
  - *Catalysts* (MDPI), Topical Collection *Layered Double Hydroxides and Related Materials for Advanced Heterogeneous Catalytic Processes*, in progress [here](#).
  - *Materials* (MDPI), Special issue *Advanced Catalytic and Adsorbent Materials for a Greener World*, in progress [here](#).
  - *Catalysts* (MDPI), Special issue *Layered Double Hydroxide-Based Catalysts for Advanced Chemical Technologies*, [here](#).
  - *Applied Surface Science Advances* (Elsevier), Special issue *Sorbent Materials and State-of-the-Art Sorption Processes: from synthesis to functionalization and applications*, [here](#).
  - *Applied Catalysis A: General* (Elsevier), Invitation-based thematic special issue *Oxide-based materials for sustainable catalytic processes*, [here](#).
  - *Catalysts* (MDPI), Special issue *Layered Double Hydroxide-Based Catalytic Materials for Sustainable Processes*, [here](#).
- **Member of the Editorial Board of international journals:**
  - *Hybrid Advances* (Elsevier) – 2022 - to present
  - *Materials* (MDPI) – 2022 - to present
  - *Recent Innovations in Chemical Engineering* (Bentham Science) – 2016 - to present
  - *Current Catalysis* (Bentham Science) – 2015 - to present
- **Member of the scientific committee/reviewer of international conferences:**
  - The International Symposium “Priorities of Chemistry for a Sustainable Development” PRIOCHEM XXI, October 15-17, **2025**, Bucharest, Romania (URL [here](#)).
  - 9<sup>th</sup> International Conference on Functional Nanomaterials and Nanodevices (NANOMAT2025), September 2-5, **2025**, Zagreb, Croatia (URL [here](#)).

- 33<sup>rd</sup> Symposium on Thermal Analysis and Calorimetry "Eugen Segal" of the Commission for Thermal Analysis and Calorimetry of the Romanian Academy (CATCAR33), October 17-18, **2024**, Timișoara, Romania (URL [here](#)).
- The International Symposium “Priorities of Chemistry for a Sustainable Development” PRIOCHEM XX, October 16-18, **2024**, Bucharest, Romania (URL [here](#)).
- The 2<sup>nd</sup> Central and Eastern European Conference on Physical Chemistry & Materials Science (CEEC-PCMS2), September 16-19, **2024**, Kaunas, Lithuania (URL [here](#)).
- 8<sup>th</sup> International Conference on Functional Nanomaterials and Nanodevices (NANOMAT2024), August 25-28, **2024**, Vienna, Austria.
- International Conference on Environment Technologies and Sustainable Energy (ICETSE, 2023), October 17-18, **2023**, Algiers, Algeria (URL [here](#)).
- The International Symposium “Priorities of Chemistry for a Sustainable Development” PRIOCHEM – XIX-th Edition, October 11-13, **2023**, Bucharest, Romania (URL [here](#)).
- 7<sup>th</sup> International Conference on Functional Nanomaterials and Nanodevices (NANOMAT2023), August 27-30, **2023**, Warsaw, Poland.
- The International Symposium “Priorities of Chemistry for a Sustainable Development” PRIOCHEM – XVIII-th Edition, October 26-28, **2022**, Bucharest, Romania.
- The International Conference on Laser, Plasma and Radiation - Science and Technology (ICLPR - ST), June 7-10, **2022**, Bucharest, Romania (URL [here](#)).
- International Conference on Material Engineering (ICME 2018), August 17-19, **2018**, Nanjing, China.
- 5<sup>th</sup> World Congress and Expo on Green Energy, June 14-16, **2018**, London, United Kingdom.
- 4<sup>th</sup> Annual International Conference on Material Science and Environmental Engineering (MSEE 2016), December 16-18, **2016**, Chengdu, Sichuan, China.
- VI International Workshop on Oxide-based Materials (OXIDE 2016), September 21-24, **2016**, Napoli, Italy (invited reviewer).
- International Conference on Chemical & Process Engineering (ICheaP12), May 19-22, **2015**, Milano, Italy.
- 6<sup>th</sup> International Conference on Environmental Engineering and Management, September 1-4, **2011**, Balatonalmádi, Hungary.
- The First International Congress on Environment and Materials, October 5-7, **2010**, Algiers, Algeria.

➤ ***Independent evaluator***

- HORIZON EIC Pathfinder programme, HORIZON-EIC-2025-PATHFINDEROPEN call, Research Executive Agency (REA), European Commission (June **2025**).
- PNCDI IV programme, PN-IV-ID-PCE-2023 session, Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romania (September **2024**).
- HORIZON EIC Pathfinder programme, HORIZON-EIC-2023-PATHFINDEROPEN-01 call, Research Executive Agency (REA), European Commission (April **2023**).
- PNRR programme, PNRR-I8-2022 session, Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romania (March **2023**).
- HORIZON EIC Pathfinder programme, HORIZON-EIC-2022-PATHFINDEROPEN-01 call, Research Executive Agency (REA), European Commission (June **2022**).
- PNCDI III programme, PN-III-P2-2.1-PED-2021 session, Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romania (December **2021**).
- Global@Venice COFUND programme, co-funded by European Commission – Marie Skłodowska-Curie Actions (GA no. 945361) and Ca’ Foscari University of Venice (October **2021**).

- H2020 FET programme, H2020-FETOPEN-01-2018-2019-2020\_18-09-2019 session, Research Executive Agency (REA), European Commission (October **2019**).
- PNCDI III programme, PN-III-P1-1.1-TE-2019 and PN-III-P1-1.1-PD-2019 sessions, Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romania (**2019**).
- H2020 FET programme, H2020-FETOPEN-01-2018-2019-2020\_24-01-2019 session, Research Executive Agency (REA), European Commission (March **2019**).
- PNCDI III programme, PN-III-P1-1.2-PCCDI-2017 session, Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romania (**2017**).
- French National Research Agency (ANR), France (**2017**).
- KFUPM internal programme, Saudi Arabia (**2016**).
- FP7 CAPITA ERA-Net programme, European Union (**2013**).

➤ **Member in Habilitation theses juries:**

- Romanian Academy – “Ilie Murgulescu” Institute of Physical-Chemistry, Bucharest, Romania, July 25, **2025**, thesis “Thermostructural approaches to materials with advanced applications: crystallization behavior” by Dr. Elena Maria ANGHEL.
- Romanian Academy – “Ilie Murgulescu” Institute of Physical-Chemistry, Bucharest, Romania, February 27, **2025**, thesis “Explosion behaviour of flammable mixtures” by Dr. Maria MÎȚU.
- West University of Timișoara, Romania, October 16, **2024**, thesis “Ceramic materials with perovskitic structure: from synthesis to applications” by Dr. Paula SFÎRLOAGĂ.
- West University of Timișoara, Romania, October 16, **2024**, thesis “Advanced instrumental techniques used to study the biopolymers degradation and to analyze organic-inorganic hybrid compounds” by Dr. Vasile Octavian G. SIMULESCU.
- Romanian Academy – “Ilie Murgulescu” Institute of Physical-Chemistry, Bucharest, Romania, June 13, **2023**, thesis “Advanced characterization of functional materials and compounds by thermo-analytical and complementary techniques” by Dr. Adina Magdalena MUȘUC.
- Romanian Academy – “Ilie Murgulescu” Institute of Physical-Chemistry, Bucharest, Romania, February 13, **2023**, thesis “Advanced oxide-based materials with tailored properties for multiple applications” by Dr. Irina ATKINSON.
- University of Craiova, Romania, July 26, **2021**, thesis “Thermal and physical-chemical properties of functional compounds and materials” by Dr. Andrei ROTARU.
- “Gheorghe Asachi” Technical University of Iași, Romania, July 16, **2021**, thesis “Environmental Valences of Heterogeneous Catalysis. Advanced Oxidation Processes and Green Chemistry” by Dr. Cezar Florin CATRINESCU.

➤ **Member in PhD theses juries:**

- *Politecnico di Torino*, Italy, July **2025**, thesis “Development of dual function materials (DFMs) with low-ruthenium content for cyclic methanation of CO<sub>2</sub>” by Andrea RIZZETTO (reviewer-examiner).
- “Gheorghe Asachi” Technical University of Iași, Romania, May **2025**, thesis “Research on some heterostructured materials based on layered double hydroxides and specific applications” by Eugenia Corina TĂNASE (IGNAT) (evaluator-examiner).
- National University of Science and Technology *Politehnica* Bucharest, Romania, February **2024**, thesis “Design, Economic Evaluation and Control of Olefin Metathesis Processes” by Andrei Maxim ANDREI (evaluator-examiner).

- *Politecnico di Torino*, Italy, May **2022**, thesis “Metal oxide catalysts for the abatement of volatile organic compounds and carbonaceous particulate matter” by Miguel José Marín FIGUEREDO (reviewer-examiner).
- University of Johannesburg, South Africa, October **2020**, thesis “Heterojunctions cerium oxide nanocomposites for photocatalytic synthesis of bio-based chemicals” by Mlungisi Arnold MAVUSO (external assessor).
- Teesside University, Middlesbrough, United Kingdom, July **2019**, thesis “Development of high surface area and hydrothermally stable MCM-41 as potential catalyst for carbon dioxide conversion into carbamates” by Ahmad RAFIQ (evaluator-examiner).
- Bharathiar University, Coimbatore, India, September **2018**, thesis “Catalytic organic transformations over modified forms of zirconia” by T. E. MOHAN KUMAR (examiner).
- University of South Africa, Pretoria, South Africa, September **2018**, thesis “Solar Photocatalytic Production of Hydrogen from Glycerol Reforming over TiO<sub>2</sub> supported catalysts” by Tumelo Wordsworth Poloko SEADIRA (examiner).
- Luxembourg Institute of Science and Technology jointly with University of Strasbourg, France, September **2016**, thesis “Elaboration of plasmonic nano-composites and study of their specific catalytic activities” by Olga ISHCHEKHO (examiner).
- University of Strasbourg, France jointly with University Ferhat-Abbas, Sétif, Algeria, November **2015**, thesis “Stratégies pour améliorer la qualité des carburants (diesel et kérosène) par des nouveaux catalyseurs comme substituts des métaux précieux” by Rima MERKACHE (evaluator-examiner).
- University Rovira I Virgili, Tarragona, Spain, January **2015**, thesis “Layered double hydroxides for applications in catalysis and electroluminescent devices” by Elena PÉREZ BARRADO (external reviewer).
- University of Science & Technology “Houari Boumediene”, Algiers, Algeria, October **2011**, thesis “Etude des systèmes catalytiques à base de fer en réaction CO/H<sub>2</sub>O et en photo-catalyse” by Amel BOUDJEMAA (evaluator-examiner).

➤ **Assignments in scientific committees of other institutions:**

- National University of Science and Technology *Politehnica* Bucharest, June 27, **2025**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 14 at the Department of Bioresources and Polymer Science.
- National University of Science and Technology *Politehnica* Bucharest, June 24, **2025**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 10 at the Department of Chemical and Biochemical Engineering.
- “Dunărea de Jos” University of Galați, Romania, February 03, **2025**, member of the scientific committee for the evaluation of the candidatures for the Professor position no. 13 at the Department of Chemistry, Physics and Environment.
- “Gheorghe Asachi” Technical University of Iași, Romania, January 29, **2025**, member of the scientific committee for the evaluation of the candidatures for the Professor position no. 5 at the Department of Environmental Engineering and Management.
- “Gheorghe Asachi” Technical University of Iași, Romania, January 29, **2025**, member of the scientific committee for the evaluation of the candidatures for the Professor position no. 4 at the Department of Organic, Biochemical and Food Engineering.
- National University of Science and Technology *Politehnica* Bucharest, July **2024**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 14 at the Department of Bioresources and Polymer Science.

- “Babes-Bolyai” University Cluj-Napoca – The University Centre in Reșița, Romania, June **2023**, member of the scientific committee for the evaluation of the candidatures for the Professor position no. 6 at the Department of Engineering Sciences.
- University *Politehnica* of Bucharest, Romania, June **2023**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 13 at the Department of Bioresources and Polymer Science.
- Romanian Academy – “Ilie Murgulescu” Institute of Physical-Chemistry, Bucharest, Romania, July **2022**, member of the scientific committee for the evaluation of the candidatures for three Scientific Researcher II positions.
- “Dunărea de Jos” University of Galați, Romania, September **2021**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 18 at the Department of Chemistry, Physics and Environment.
- “Gheorghe Asachi” Technical University of Iași, Romania, January **2021**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 10 at the Department of Chemical Engineering.
- University *Politehnica* of Bucharest, Romania, September **2020**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 14 at the Department of Chemical and Biochemical Engineering.
- Petroleum – Gas University of Ploiești, Romania, July **2017**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 10 at the Department of Petroleum Processing Engineering and Environmental Protection.
- “Gheorghe Asachi” Technical University of Iași, Romania, July **2015**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 7 at the Department of Organic, Biochemical and Food Engineering.
- “Alexandru Ioan Cuza” University of Iași, Romania, June **2015**, member of the scientific committee for the evaluation of the candidatures for the Associate Professor position no. 26 at the Department of Chemistry.

➤ **Invited Professor:**

- *Université Claude Bernard Lyon 1 – Institut de Recherches sur la Catalyse et l’Environnement (IRCELYON)*, Lyon, France, November 4<sup>th</sup> – December 7<sup>th</sup>, **2024**.
- Department of Chemical Engineering, Aristotle University of Thessaloniki, Greece, May 14-16, **2018** (Erasmus Teaching Mobility)
- *Centre de Recherche Scientifique et Technique en Analyses Physico-Chimiques*, Algiers, Algeria, June 14-22, **2015**.
- Institute Charles Gerhardt – Balard Pole of Chemistry, Montpellier, France, October 15<sup>th</sup> – November 15<sup>th</sup>, **2014**.
- *Laboratoire de Génie Chimique, Université Paul Sabatier Toulouse III*, Toulouse, France, June 3-7, **2013** (Erasmus Teaching Mobility).

➤ **Invited Lecturer:**

- “Ilie Murgulescu” Institute of Physical-Chemistry, Bucharest (June 4<sup>th</sup>, **2025**)
- *Institut de Recherches sur la Catalyse et l’Environnement (IRCELYON)*, Lyon, France (November 26<sup>th</sup>, **2024** and February **2011**).
- International Summer School on Nanosciences & Nanotechnologies for master and PhD students (#NANOSUM2023), 18-23 June **2023**, Marseille, France.
- Centre for Research & Technology Hellas, Thessaloniki, Greece (May **2018**).

- *Centre de Recherche Scientifique et Technique en Analyses Physico-Chimiques*, Algiers, Algeria (June **2015**).
- Institute Charles Gerhardt, Laboratory of Advanced Materials for Catalysis and Health, Montpellier, France (October and November **2014**, July **2011**, and February and September **2007**).
- *Université Pierre et Marie Curie, Chimie de la Matière Condensée*, Paris, France (November **2014**).
- *Université Montpellier II, Ecole Doctorale Sciences Chimiques Balard*, Montpellier, France (October **2014**).
- Teesside University, School of Science and Engineering, Middlesbrough, United Kingdom (May **2014**).
- *Université Paul Sabatier Toulouse III, Laboratoire de Génie Chimique*, Toulouse, France (June **2013**).
- University of Science & Technology Houari Boumediene, Faculty of Chemistry, Algiers, Algeria (October **2011**).

- **Peer-review** activity (<https://www.webofscience.com/wos/author/rid/B-1509-2008>):
  - more than **380** peer-reviews for more than **75** international journals

#### RESEARCH METRICS

- **Citations** (without self-citations): > **1750** (according to Scopus - January 2026).
- **H-index**: Scopus – **27**; Web of Science Core Collection – **27**; Web of Science All Databases – **27**; ResearchGate – **28**; Google Scholar – **30**.
- **Cumulative Impact Factor**: > **250** (Impact factors in the year of publication).

#### PUBLIC RESEARCHER PROFILES

- **Scopus Author ID**: <https://www.scopus.com/authid/detail.uri?authorId=6603854041>
- **ORCID**: <https://orcid.org/0000-0002-8381-2076>



- **Researcher ID**: <https://www.webofscience.com/wos/author/rid/B-1509-2008>
- **Google Scholar**: <https://scholar.google.ro/citations?user=8JjLuQ0AAAAJ&hl=en>

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