

PERSONAL INFORMATION

Cristina Maria Duşescu - Vasile



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Sex F | Date of birth 23/04/1969 | Nationality Romanian

WORK EXPERIENCE

April 2024 - present

Dean of Petroleum Refining and Petrochemistry Faculty

Petroleum-Gas University of Ploiesti

2020 - April 2024

Head of Petroleum Refining Engineering and Environmental Protection Department

Petroleum-Gas University of Ploiesti

2008 - 2020

Assistant Professor - Petroleum Refining and Petrochemistry Faculty

Petroleum-Gas University of Ploiesti

- Teaching and research activities in the field of petroleum chemistry, organic chemistry and chemical engineering: synthesis and characterization of petroleum products and alternative fuels, biomass recovery procedures

[Business or sector](#) Replace with type of business or sector

1999 - 2008

Assistant universitas - Petroleum Refining and Petrochemistry Faculty

Petroleum-Gas University of Ploiesti

- Teaching and research activities in petroleum chemistry and chemical engineering

[Business or sector](#) Replace with type of business or sector

1997 - 1999

Assistant universitas - Petroleum Refining and Petrochemistry Faculty

Petroleum-Gas University of Ploiesti

- Teaching and research activities in the field of physical chemistry and electrochemistry

EDUCATION AND TRAINING

2008-2014

PhD in Chemical Engineering

Petroleum-Gas University of Ploiesti

Study Of Polyols Hydrogenolysis In Heterogenous Catalysis

1995 - 1996

Master Degree

Petroleum-Gas University of Ploiesti / Faculty of Petroleum Refining and Petrochemistry

Petroleum Refining Processes

1989-1995

Engineer Diploma

Petroleum-Gas University of Ploiesti / Faculty of Petroleum Refining and Petrochemistry

Petroleum Refining Technology and Petrochemistry

PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2/Independent user	B2/Independent user	B2/Independent user	B2/Independent user	B2/Independent user

	French	B2/ Independent user	C1/ Proficient user	C1/ Proficient user	B2/ Independent user	C1/ Proficient user
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Communication skills

Able to work as part of a team, good communication skills, emotionally stable, sociable, determined, able to carry out a collective work, in an efficient way.

Organisational/ managerial skills

Management in higher education:

- Dean of Faculty of Petroleum Refining and Petrochemistry (2024 – present)
- Head of Petroleum Refining Engineering and Environmental Protection Department (2020 – 2024)
- Working in the laboratory, with students and researchers in teaching and in research contracts and grants.
- Experience in managing complex teams.
- Experience on both the research and development project and the infrastructure construction project (involving public procurement of equipment and services).
- Experience in the implementation of SMQ in the analysis of petroleum fuels and biofuels
- Applied research in the field of petroleum chemistry and ecological chemical technologies (petrochemicals, organic intermediates, processing of fats and vegetable oils, auxiliary industries), unconventional technologies, ecological technologies and products, chemistry and instrumental analysis.
- Elaboration and implementation of working procedures in classical and alternative fuels analysis laboratories as well as emissions from their handling, storage and use.

Job-related and technical skills

Computer skills

- Microsoft Office; Autocad; Origin.

Other skills and competences

- I have completed the following courses:
- "Quality Management in Testing and Calibration, in Accordance with SR EN ISO/CEI 17025"
- "Audit of Quality Management System for Testing and Calibration"
- "Greenhouse Gas in ISCC System"
- "Comprehensive ISCC System Certification"
- "ISCC EU and PLUS basic for GHG Audit"

Research

- 35 papers (20 papers in ISI journals)
- 5 chapters in books and books
- 74 research grants and contracts
- 5H Index 18 Publications in Web of Science
- 5H Index 19 Publications in Scopus
- 7 Patents
 - Preparation of bi-functional ion exchanger resins-based catalyst involves spraying an aqueous tetraamino palladium solution on the ion-exchanger resin, Patent OSIM no. 122490-B1 / 2009
 - Composition for reducing content of road dust and aerosols comprises calcium and magnesium chlorides and polyglycols, Patent OSIM no. 122545-B1 / 2009
 - Catalyst and process for obtaining unsaturated alcohols with perfume characteristics, Patent OSIM no. 123444-B1 / 2012
 - Biorenewable component for ecological liquid fuel for furnace and process for preparing the same, Patent OSIM no. 126668-B1 / 2012
 - Fuel for internal combustion engines and the production process, Patent OSIM no. 128387-B1/2013.
 - Bio-alcohol reforming catalyst and process for producing hydrogen by using said catalyst, Patent OSIM no. 126377-B1 / 2013
 - Additive for decontamination of soil and fields infested with petroleum products and/or residues and depollution process using this additive, Patent OSIM no. 131561 B1/2019.

Memberships

Member of:

- Chemistry Society of Romania
- The Romanian Catalysis Society
- Romanian Environment Association

April 11, 2024