



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Zaharie MOLDOVAN**
Address(es) Donat str., 67-103, Cluj-Napoca, Romania
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Nationality Romanian
Date of birth 8 April 1949
Gender Male

Work experience

Dates	2005-present
Occupation or position held	Senior researcher, grade I, PhD Head of department of Mass Spectrometry, Chromatography and Applied Physics
Main activities and responsibilities	Department Mass Spectrometry, chromatography and Applied Physics; Organizing scientific activities: Paper publications, Instruments purchase, Laboratory personal training, Project manager and proposal.
Name and address of employer	National Institute for Research and Development of Isotopic and Molecular Technologies
Type of business or sector	Scientific Research,
Dates	2002-2004
Occupation or position held	Scientific researcher, grade II
Main activities and responsibilities	Application of high performance liquid chromatography (HPLC), high resolution mass spectrometry (HRMS) and coupled gas chromatography – mass spectrometry (GC/MS) methods for structural determination of new synthesized compounds, pollutants and foodstuff
Name and address of employer	National Institute for Research and Development of Isotopic and Molecular Technologies
Type of business or sector	Scientific Research
Dates	2000-2001
Occupation or position held	Scientific researcher, grade II
Main activities and responsibilities	Qualitative and quantitative investigation of organic pollutant by different ionization process (EI-MS si CI-MS)
Name and address of employer	Instituto de Investigaciones Quimicas y ambientales, Barcelona, Spain
Type of business or sector	Scientific Research
Dates	1995-1999
Occupation or position held	Scientific researcher, grade II
Main activities and responsibilities	GC/MS determination of organic pollutant structures Development of extraction methods for pollutants from complex matrices
Name and address of employer	National Institute for Research and Development of Isotopic and Molecular Technologies
Type of business or sector	Scientific Research

Dates	November 1993 – December 1995
Occupation or position held	Scientific researcher, grade II
Main activities and responsibilities	Study of molecular biodegradation process High performance liquid chromatographic determination of molecule from biodegradation process
Name and address of employer	Escuela Universitaria Politécnica de Sevilla, Grupo de tratamiento de aguas residuales, Sevilla, Spain
Type of business or sector	Scientific Research
Dates	November 1992-October 1993
Occupation or position held	Scientific researcher, grade II
Main activities and responsibilities	Gas chromatographic and mass spectrometry application for organic compounds determination from soil
Name and address of employer	Instituto de Recursos Naturales y Agrobiología, Sevilla, Spain
Type of business or sector	Scientific Research
Dates	1976-1992
Occupation or position held	Scientific researcher, grade III
Main activities and responsibilities	Induced molecular dissociation studies under electron impact, Ionized molecule internal energy distribution determination
Name and address of employer	National Institute for Research and Development of Isotopic and Molecular Technologies
Type of business or sector	Scientific Research
Dates	1972-1976
Occupation or position held	Physicist, research assistant
Main activities and responsibilities	Organic mass spectrometry, mass spectrometry determination of stable isotope labelled compound
Name and address of employer	National Institute for Research and Development of Isotopic and Molecular Technologies
Type of business or sector	Scientific Research

Education

Dates	1974-1982
Title of qualification awarded	Ph.D. in Physics
Principal subjects/occupational skills covered	Study of collision processes in polyatomic molecules through mass spectrometry
Name and type of organisation providing education and training	Faculty of Physics, Babes-Bolyai University
Dates	1967-1972
Title of qualification awarded	Degree in physics
Principal subjects/occupational skills covered	Spectroscopy, Quantum mechanics, Atomic and molecular physics, Determination of molecule structure.
Name and type of organisation providing education and training	Faculty of Physics, Babes-Bolyai University

Training

Dates	26.10.1990 – 3.11.1990
Title of qualification awarded	Liquid Chromatography-Mass Spectrometry
Principal subjects/occupational skills covered	Theory and practice on coupled system HPLC-MS/MS, environmental and biological application
Name and type of organisation providing education and training	ETH University, Switzerland
Dates	February 1994 – June 1994
Title of qualification awarded	Analytical methods by GC/MS
Principal subjects/occupational skills covered	Application of gas chromatographic and mass spectrometric techniques in environmental and food safety field

Name and type of organisation providing education and training | Sevilla University, Spain

Dates | September 2001

Title of qualification awarded | Specialization course in Solid Phase Microextraction

Principal subjects/occupational skills covered | Practical details on application of SPME methods in analytical field

Name and type of organisation providing education and training | Investigation Institute CSIC Barcellona, Spain

Other language(s)

Self-assessment

European level (*)

Language

Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B 2	English	B 2	English	B 2	English	B 2	English	B 2	English
C 1	Spanish	C 1	Spanish	C 1	Spanish	C 1	Spanish	C 1	Spanish

(*) [Common European Framework of Reference for Languages](#)

Member of professional societies | Romanian Mass Spectrometry Society (Societatea Romana de Spectrometrie de Masa)- **president**
 Romanian Physics Society (Societatea Română de Fizică)
 Romanian Chemistry Society (Societatea de Chimie din Romania)
 International Association of Environmental Analytical Chemistry (IAEAC)
 Includ in "Who's Who in the World", Sixth edition, 1982/1983,

Social skills and competences | Dynamic, Sociable, Good organizer, Department manager

Organisational skills and competences | Organizer of several workshops once with end of national and international projects.
 Organizer of international conferences: "Processes in Isotopes and Molecules, PIM"

Technical skills and competences | Mass spectrometry instruments, gas chromatography instruments and HPLC instruments

Computer skills and competences | XCalibur, MassLab, Microsoft Office,

Driving licence | B category

Annexes | 1. List of publications (93 published paper)

Date:
07. 07 .2019.

Name:
Zaharie Moldovan

