

## Europass Curriculum Vitae

### Personal information



**First name(s) / Surname(s)** Rodica-Mihaela Dinica  
**Address(es)** Domneasca Street, No. 111 ,  
 Building SD, Floor I, Room 102  
 800 008, Galati, ROMANIA  
**E-mail** [rodinica@ugal.ro](mailto:rodinica@ugal.ro), [rodicad@yahoo.com](mailto:rodicad@yahoo.com)  
**Nationality** romanian  
**Date of birth** 13.02.1968

**Desired employment / Occupational field** Dunarea de Jos University of Galati/Organic Chemistry, Biochemistry, Food Chemistry

### Work experience

<p>Dates</p> <p>Occupation or position held</p>	<p>1991-2023</p> <p>2014 Professor habilitated, Head of the Department of Chemistry, Physics and Environment,          2004 Associate Professor          1998 Lecturer          1991 Assistant professor</p>
<p>Main activities and responsibilities</p>	<p>Teaching and research activities in the field of Organic chemistry, Organic Synthesis, Extraction of bioactive compounds, Structural organic compounds analysis, Biocatalysis,, Biochemistry, Food chemistry</p>
<p>Name and address of employer</p> <p>Type of business or sector</p>	<p>"Dunarea de Jos" University of Galati, Domneasca 47, 800008          Educational and Research</p>

### Education and training

**Dates** **November 1999- January 1992** PhD in Organic Chemistry, "A.I.Cuza", University, Iasi  
**October 2004 -present** Associate Professor Organic chemistry, biochemistry, food chemistry, „Dunarea de Jos" University, Galati  
**September 2004- March 1998** Lecturer Organic chemistry, biochemistry, food chemistry, „Dunarea de Jos" University, Galati  
**February 1998- April 1995** Dunarea de Jos" University, Galati Assistant Organic chemistry, biochemistry, structural organic compounds analysis  
**March 1995- October 1991** Assistant Organic chemistry, Structural organic compounds analysis "A.I. Cuza University , Iasi  
**June 1991- October 1986** "A.I.Cuza", University , Iasi Licentiate in Chemistry  
**June 1986 - September 1982** Calistrat Hogas, College, Tecuci, Galați, Diploma of School living examination

Title of qualification awarded

- 2016 Habilitation thesis in Chemistry
- 1999 PhD thesis in organic chemistry, Al.I.Cuza University of Iassy
- 1991 Licentiate in chemistry, Al.I.Cuza University of Iassy
- 1986 Diploma of school-leaving examination

Principal subjects/occupational skills covered

Organic chemistry, synthesis, structural and functional analysis of organic compounds using green methods ( microwave, ultrasons, biocatalysis); study of natural compounds from plant extracts; study and characterisation of organic compounds using UV-VIS, IR, RMN, HP-TLC, HPLC/MS, CV; biologic activities of synthetic and natural compounds ( antimicrobial, antioxidant)

Name and type of organisation providing education and training

-2001-2002 University J. Fourier, Grenoble 1, France- postdoctoral fellowship,  
-1998-Universita degli Studi di Camerino, Italy- THEMUS PHARE fellowship,

**Personal skills and competences**

competence for RMN Bruker AV300 Spectrometer; FT-IR, UV-Vis, HPLC/MS, HPTLC, Windows, Microsoft Office, Chemwind, ChemDraw, Isis Draw

**Other language(s)**

Self-assessment

European level (\*)

Language

Language

Language

		Understanding		Speaking				Writing	
		Listening		Reading		Spoken interaction		Spoken production	
En	B2	En	B2	En	B2	En	B2	En	B2
Fr	B2	Fr	B2	Fr	B2	Fr	B2	Fr	B2
It	A2	It	A2	IT	A2	It	A2	It	A2

(\*) Common European Framework of Reference for Languages

## Other skills and competences

Good experience in research team management : professors, doctoral students and students.

Multicultural environment: over 2 years in the period 1997 to 2019 at the University Joseph Fourier Grenoble, France and University of Camerino, Italy;

Good experience of grant management

Project Manager for two national grants:

**2011-2016, PN-II-ID-PCE-2011-3-0226, UEFISCDI**, „Access To New Bioactive Molecules By Development Of Original Biocatalysts For Reactions Like Click-Chemistry”, Beneficiary: Universitatea« Dunărea de Jos», Galați valoare 1495 000 lei

**PN2. 2003-2005, Grant CNCIS tip AT nr 81/Synthesis of luminophors with possible applications in medicine and evaluations of spectroscopic and biologicc properties**, Beneficiary: Universitatea« Dunărea de Jos», Galați, valoare, 300 000 lei

Project Manager for 3 international grants:

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**2011-2013 Bilateral colaboration**, CoBil Ro-Fr nr. 485/17.03.2011, Programme „Hubert Curien-Brancusi” „Mise au point de biocatalyseurs originaux pour les réactions de "click-chemistry" : accès de nouvelles molécules bioactives, colaborare bilaterală de cercetare Romania –Franța ( Universitatea «Joseph Fourier», Grenoble), Valoare 22 000 lei **ANCS-UEFISCDI**

**PI2. 2002-2004: responsabil Brancuși RO/24**, colaborare bilaterală de cercetare Romania –Franța ( Universitatea «Joseph Fourier», Grenoble), **ANCS**

Tutor research and long-term expert in postdoctoral research project **POSDRU-SPD-BIOTECH, BIOTEHNOLOGII APLICATE**: 10 postdoctorands

**AUF - Eugene Ionesco** Tutoring trainees PhD and postdoctoral trainees -23 PhD and postdoctoral students

**Coordinator of agreement Erasmus / Socrates** ( chemistry, biotechnology and life sciences) with Universita degli Studi di Camerino, Italia și Universitatea "Joseph Fourier", Grenoble, Franța

Expert AUF, UEFISCDI, MIUR-Cineca, Italy, Latvia Ministry of Research, Czech Ministry of Research

### Competences :

- organic synthesis-design involving multistep synthesis- synthesize, purify and characterize heterocyclic compounds;
- extraction and identification of bioactive compounds from natural sources
- analysis of bioactive compounds ( flavonoids, polyphenols, carotenoids, vitamins, alcaloids) from different matrices
- Implement a wide range of current analytical techniques to conduct research and development studies related to organic chemistry
- using of conventional and no conventional methods for synthesis - green chemistry ( microwave reactions, biocatalysis and enzymatic reactions);
- Performs chemical analysis using a variety of techniques like UV-VIS, IR, RMN, HPLC/MS, fluorescence;
- skills for use UV/Vis, HPLC/MS, HPTLC, RMN Bruker AV300, FT IR
- Maintain a safe, pleasant and efficient working environment

**Guest editor for Catalyst, Plants, Sustainability, MDPI**

### Scientific reviewer:

- European Journal of Medicinal Chemistry
- Molecules
- Antioxidants
- Plants
- Catalyst
- Processes
- Separation
- Marine Drugs
- International Journal of Molecular Science
- International Journal of Biological Macromolecules
- Romanian Biotechnological Letters
- Materials Chemistry and Physics
- Industrial & Engineering Chemistry Research
- Central European Journal of Chemistry
- The Journal of Animal and Plant Sciences

- Arabian Journal of Chemistry
- Research on Chemical Intermediates
- Current Pharmaceutical Biotechnology
- Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry
- Annals of the Lower Danube University of Galati, Fascicle VI - Food Technology,
- Ovidius Annals of Chemistry
- Agricultural and Biological Sciences Conference

**Membership:** member of Research Platform "**Biotechnology Applied In Food Industry - Integrated Center For Research And Education – Bioalimint**", CNCIS 62

- member of "**European Centre of Excellence for the Environment**" of „Dunărea de Jos" University of Galati, RO/97/04

Member of scientific societies: Romanian Society of Chemistry, president of the SRCh Galati branch

Member of Scientific Comitee conferences:

LE NEUVIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE, 29 Juin - 02 Juillet 2016 , CLERMONT-FERRAND, France, CoFrRoCa 2016

The 6<sup>TH</sup> INTERNATIONAL SYMPOSIUM EUROALIMENT, AROUND FOOD, October, September, 24-26, 2015, Galati România

The 8th International Symposium on Advanced Technologies for the Pulp, Paper and Corrugated Board Industry, Brăila, 16 – 18 of September 2015

The 6<sup>TH</sup> INTERNATIONAL SYMPOSIUM EUROALIMENT, AROUND FOOD, October, 3-5, 2013, Galati România

The 7th International Symposium on Advanced Technologies for the Pulp, Paper and Corrugated Board Industry, Brăila, 3 – 6 of September 2013

Chemistry Coloids and surfaces, Symposia, Galati , Romania, june, 28-30, 2011

**2015-present** Head of the Chemistry, Physics and Environmental Department

Deputy Head of the Chemistry, Physics and Environmental Department

Member of academic council

AUF UDJG Institutional coordinator of the doctoral and postdoctoral scholarship program, Eugen Ionescu

**Prizes:** Silver medal Inventica 2021, BĂUTURĂ NEALCOOLICĂ PROBIOTICĂ FERMENTATĂ DIN SORG GERMINAT ȘI PROCEDURE DE OBȚINERE A ACESTEIA, Istrati D., Vizireanu C., Furdui B., Constatntin O., Buruiana T., Misu C., Bga G., Dinica R.

Bronze medal at UGALINVENT salon **2015** Galati, for COSMETICS WITH THERAPEUTIC MUD FROM LACUL SARAT, Liana Teodora Dinică, Ioana Otilia Ghinea, **Rodica M. Dinică**

Gold medal at EUROINVENT salon, **2014** Iasi and UGALINVENT salon, 2014, Galati, for patent **Security paper and method for their manufacturing**, Zapodeanu Ion Bute Dan Nechita Petronela, Gavrilă Ionel, Constantin Stanciu, Cârâc Geta, Dinica Rodica, Dumitru Pete, Aniculaesei Gherghina

AGIR Award **2009** for "Contributions to the fight against counterfeiting and falsification"

University Foundation Award for Publishing of Organic chemistry tests for admission to higher education, Zgherea Gh., Georgescu M., Dima St., Dinica R - Ed. University Foundation "Lower Danube" Galati, 2006.

**Fellowships/grants:**

**June-July 2018**, research stage-DPM, Université Grenoble-Alpes Grenoble, France  
**July 2017**, research stage-DPM, Université Grenoble-Alpes Grenoble, France  
**July-August 2013 and August 2012**, Summer school lecturer- IP EUCHEME-European Chemists for Energy, Materials and Environment, 012-1-IT2-ERA10-38852- Summer School, University of Camerino, Italy- lecture topics: „Green Chemistry: Unconventional Methods in Synthesis”  
**August 2010, August 2009**, Summer school lecturer IP EUCHEME-Advanced Catalysis and Organometallic Chemistry- Summer School, University of Camerino, Italy- lecture topics:„Green Chemistry: Microwave Assisted Organometallic Reaction”  
**May 2012, Avril 2011**, research stage-, Pharmacochemistry Department, UJF Grenoble, France  
**June-August 2011** postdoc research stage-AUF, Pharmacochemistry Department, , UJF Grenoble, France  
**July 2011**, Erasmus Mission, Pharmacochemistry , UJF Department, Grenoble, France  
**September 2008**, Erasmus Mission, Chemistry Department, University of Camerino, Italy,  
**October 2007**, Erasmus Mission, Molecular Bioengineering Department, University Joseph Fourier, Gren  
**October 2005**, Erasmus Mission, Chemistry Department, University of Camerino, Italy,  
**June 2004, July 2003**, research stage, at LEDSS, Grenoble, France, research collaboration, Brancusi, R  
**December 2001 – November 2002** – Postdoc fellowship at LEDSS (Laboratoire d'Etudes Dynamiques de la Selectivite) “Joseph Fourier” University, Grenoble, France, supervisor Dr .Martine Demeunynck, c  
The researches are realised in the nitrogen heterocyclic chemistry field (acridine compounds), with properties, antitumorals, interaction with ADN.  
[Martine.Demeunynck@ujf-grenoble.fr](mailto:Martine.Demeunynck@ujf-grenoble.fr)  
**September – December 1998** –THEMPHUS – PHARE fellowship, at Chemistry Department, University of Camerino, Italy, supervisor Prof. Claudio Pettinari. The researches in the heterocyclic and organometallic chemistry, synthesis of organic compounds with biologic active properties, liquid crystals.  
[claudio.pettinari@unicam.it](mailto:claudio.pettinari@unicam.it)

**Additional information****Scientific contributions**

h index (WOS) 16  
h index (GS) 20  
h index (Scopus) 17  
citations (GS)1271  
citations (WOS)1271  
Books and chapters in books published in recognized publishing houses - 12  
Articles published in journals with international recognition, 72  
Articles published in journals indexed to international recognition BDI - 37  
Articles published in journals CNCSIS country - 11  
Studies published in the proceedings of international conferences - 42  
Studies published in volumes of international scientific meetings in the country - 31  
Studies published in volumes of national recognized in the country - 6  
Research projects, development and innovation – 22 ( coordinator of 7 national and international project and member of 16 national and international projects)  
Patent-2

19.01.2023

