



Europass Curriculum Vitae

Personal information



First name(s) / Surname(s)

Rodica-Mihaela Dinica

Address(es)

[Redacted]
[Redacted]
[Redacted] Galati, ROMANIA

E-mail

rodinica@ugal.ro, rodicad@yahoo.com

Nationality

romanian

Date of birth

[Redacted]

Desired employment / Occupational field

Dunarea de Jos University of Galati/Organic Chemistry, Biochemistry, Food Chemistry

Work experience

Dates 1991-2025

Occupation or position held

2014 Professor habilitated, Head of the Department of Chemistry, Physics and Environment,
2004 Associate Professor
1998 Lecturer
1991 Assistant professor

Main activities and responsibilities

Teaching and research activities in the field of Organic chemistry, Organic Synthesis, Extraction of bioactive compounds, Structural organic compounds analysis, Biocatalysis, Biochemistry, Food chemistry

Name and address of employer

"Dunarea de Jos" University of Galati, Domneasca 47, 800008

Type of business or sector

Educational and Research

Education and training

Dates

November 1999- January 1992 PhD in Organic Chemistry, "Al.I.Cuza", University, Iasi
October 2014 -present Professor Organic chemistry, biochemistry, food chemistry, "Dunarea de Jos" University of Galati
September 2004- March 1998 Lecturer Organic chemistry, biochemistry, food chemistry, "Dunarea de Jos" University of 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 "Al.I. Cuza University, Iasi
June 1991- October 1986 "Al.I.Cuza", University, Iasi Licentiate in Chemistry
June 1986 - September 1982 Calistrat Hogas, College, Tecuci, Galați, Diploma of School leaving 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, ultrasounds, biocatalysis), food chemistry, biochemistry; 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- THEMPUS PHARE fellowship(september-december)
Personal skills and competences	competence for RMN Bruker AV300 Spectrometer; FT-IR, UV-Vis, HPLC/MS, HP-TLC, Windows, Microsoft Office, Chemwind, ChemDraw, Isis Draw
Other language(s)	
Self-assessment	
<i>European level (*)</i>	
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](http://europa.eu/CEFR/)

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 national grants:

2023-2026 ADER, Conservarea și valorificarea patrimoniului genetic al speciilor aromatice și medicinale pretabile a fi cultivate pe teritoriul României”, contract de finanțare nr. 521/18.07.2023-2026, valoare 150000

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

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

Project Manager for 4 international grants:

2024-2025 Bilateral collaboration, CoBil Ro-Fr nr. 485/17.03.2024, Programme „Hubert Curien-Brancusi”, Compounds For Alzheimer And Cancer Treatment /Compuși Multițintiți Pentru Tratatamentul Cancerului Și Al Maladiei Alzheimer, PN-IV-P8-8.3-PM-Ro-Fr-2024-0149, valoare 43650 lei

2022-2024 Erasmus KA220-HED, COOPERATION PARTNERSHIP, 2022-1-TR01-KA220-HED-000089361, Green Chemistry Applications on Selected Medicinal and Aromatic Plants in the Artvin Region, valoare 12 000 Eu

2011-2013 Bilateral collaboration, 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**

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 >35 PhD and postdoctoral students

Coordinator of agreement Erasmus / Socrates (chemistry, biotechnology and life sciences) with Università 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, alkaloids) 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 non 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

Catalysis Processes, Separation

	-- 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 -Journal of Applied Polymer Science - Natural Product Research
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 6TH 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 6TH 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 PROCEDEUL 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-, Pharmacochimie Department, UJF Grenoble, France
June-August 2011 postdoc research stage-AUF, Pharmacochimie Department, UJF Grenoble, France
July 2011, Erasmus Mission, Pharmacochimie, UJF Department, Grenoble, France
September 2008, Erasmus Mission, Chemistry Department, University of Camerino, Italy,
October 2007, Erasmus Mission, Molecular Bioengineering Department, University Joseph Fourier, Grenoble, France
October 2005, Erasmus Mission, Chemistry Department, University of Camerino, Italy,
June 2004, July 2003, research stage, at LEDSS, Grenoble, France, research collaboration, Brancusi, Romania
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
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

Additional information**Scientific contributions**

h index (WOS)-21

h index (GS) - 28

h index (Scopus) 21

citation without self citation (WOS)-1161

citations (GS) 2187

Books and chapters in books published in recognized publishing houses - 12

Articles published in journals with international recognition, 119

Articles published in journals indexed to international recognition BDI > 40

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 – 28 (coordinator of 12 national and international project and member of 16 national and international projects)

Patent-2

Lista de lucrări

Prof. univ. dr. habil. Rodica Mihaela Dinică

A. TEZA DOCTORAT: Compuși din clasa bipiridililor, 1999, Universitatea Al. I. Cuza, Iași

B. CĂRȚI, CAPITOLE CĂRȚI

[B1] Autor

1. Bianca Furdui, Andreea V. Dediu (Botezatu), **Rodica M. Dinica***, Copper Catalysis in Organic Synthesis, editat de Gopinathan Anilkumar, Salim Saranya; Capitolul 2, Cu-Catalyst in Reactions Involving Pyridinium and Indolizinium Moieties; pg7-22; John Wiley & Sons, 2021; ISBN 3527347372, 9783527347377;
2. Alin Laurentiu Tatu, Bianca Mihaila, Rodica Dinica, Olimpia Dumitriu Buzia Diana Sabina Radaschin, Lawrence Chukwudi Nwabudike, Piperine Extract and White Patches In book: Clinical Cases in Pigmentary Disorders (pp.103-107) Clinical Cases in Pigmentary Disorders Springer, pg 103-107, August 2020 DOI: [10.1007/978-3-030-50823-4_22](https://doi.org/10.1007/978-3-030-50823-4_22)
3. Bianca Furdui, Andreea V. Dediu (Botezatu), and **Rodica M. Dinica***, Cu-Catalyst in Reactions Involving Pyridinium and Indolizinium Moieties, in **Copper Catalysis in Organic Synthesis, Edited by Gopinathan Anilkumar and Salim Saranya, 2021**, Wiley-VCH Verlag GmbH & Co. KGaA, Boschstr. 12, 69469, Weinheim, Germany
4. Ioana Otilia Ghinea, **Rodica Mihaela Dinica***, Rolul alimentelor functionale în prevenirea bolilor cardiovasculare, în Rolul nutriției în prevenirea bolilor cardiovasculare, Editura Medicala Universitara Iuliu Hateganu, Cluj-Napoca, **2018**
5. Ioana Otilia Ghinea, **Rodica Mihaela Dinica***, Breakthroughs in indole and indolizine chemistry - new synthetic pathways, new applications, in book: Scope of Novel Heterocycles from Organic and Pharmaceutical Perspective, **2016**, Intech, open acces, ISBN: 978-953-51-4632-2, <http://www.intechopen.com/>.
6. **Dinică R.**, Georgescu, M., Chimie organică ,editie imbogatita , 2007, Ed. Fundației Universitare “Dunărea de Jos”, Galați, ISBN: 973-627-199-4, 350 pag
7. **Dinică R.**, Georgescu, M., Chimie organică , 2005, Ed. Fundației Universitare “Dunărea de Jos”, Galați, ISBN: 973-627-199-4, 350 pag
8. **Dinica, R.** Chimie organică. Compuși organici cu funcțiuni , 2004, Ed. Fundației Universitare “Dunărea de Jos”, Galați, ISBN 973-627-120-X, Descrierea CIP a Bibliotecii Naționale a României, 547 (075.8), 200pag
9. **Dinica, R.** Chimie organică. Hidrocarburi 2003,, Ed. Fundației Universitare “Dunărea de Jos”, Galați, ed. ISBN 973-629-069-6 Descrierea CIP a Bibliotecii Naționale a României, 547, 218 pag

[B2] Coautor

1. Zgherea Ghe., Georgescu M., Dima St., **Dinica R.**, *Teste de chimie organică pentru admitere în învățământul superior*, – Ed. Fundației Universitare “Dunărea de Jos”, Galați, ediția 2012 îmbunătățită și adăugită, ISBN 978-973-627-486-2, 200 pag
2. Maricica Stoica, Petru Alexe, **Rodica Dinica**, Geta Cârâc, Electrochemical Behaviour of AISI 304 Stainless Steel Immersed in Mixtures Consisting by Biocide and Fungal Suspensions, *"Food Industrial Processes - Methods and Equipment"*, book edited by Benjamin Valdez, ISBN 978-953-307-905-9, Published: February 22, 2012 under CC BY 3.0 license
3. Furdui B., **Dinică R.**, Georgescu M., 2011, *Chimie organică*, Notiuni teoretice si practice, Ed. GUP, Galati, ISBN 978-606-8008-75-2, 562pag
4. Florea T., Furdui B., **Dinică R.**, Crețu R., 2009, *Chimie organică. Sinteză și analiză funcțională*, Ed. Academica, Galati, ISBN 978-973-8937-56-7, 258 pag
5. Zgherea Ghe., Georgescu M., Dima St., **Dinica R.**, *Teste de chimie organică pentru admitere în învățământul superior*, – Ed. Fundației Universitare “Dunărea de Jos”, Galați, ediția a II-a 2004, revăzută și adăugită, ISBN 973-627-137-4, 200 pag
6. Florea T., **Dinică R.**, Crețu R., Furdui B., 2006, *Chimie organică. Lucrări Practice si probleme*, ed. Academica, ISBN: (10) 973-8937-14-0, (13) 978-973-8937-14-7, 218 pag

7. Georgescu M., **Dinică R.**, Furdul B., 2004, *Lucrări Practice de Chimie organică preparativă*, ISBN: 973-727-144-7, 102 pg
8. Zgherea Ghe., Georgescu M., Dima St., **Dinică R.**, *Teste de chimie organică pentru admitere în învățământul superior*, – Ed. Fundației Universitare “Dunărea de jos”, Galați, îmbunătățită și adăugită, ediția a VI-a, 2011, , ISBN 978-973-627-47-7, 200 pag
9. Zgherea Ghe., Georgescu M., Dima St., **Dinică R.**, *Teste de chimie organică pentru admitere în învățământul superior*, – Ed. Fundației Universitare “Dunărea de jos”, Galați, ediția a III-a, 2006, îmbunătățită și adăugită, ISBN (10) 973-627-314-8, ISBN (13) 978-973-627-314-8, 200 pag

C. ARTICOLE PUBLICATE ÎN REVISTE DE SPECIALITATE (COTATE ISI SAU RECUNOSCUTE CNCIS)

[C1] Articles published in listed journals ISI

1. Andreea Veronica Botezatu, Bianca Furdul, Anna Busuioc, Rodica Mihaela Dinică, Recent developments in the synthesis of indolizines and their derivatives as compounds of interest in medicinal chemistry: a review, *European Journal of Medicinal Chemistry*, Volume 297, 2025, 117908, ISSN 0223-5234, <https://doi.org/10.1016/j.ejmech.2025.117908>. **F.I.6,4**
2. Tamfu AN, Gaye M, Roland N, et al. , Rodica Mihaela Dinică, Enzymes Inhibitory Properties of Compounds from Roots of *Mitragyna inermis* Willd (Rubiaceae): In Vitro, Molecular Docking and ADME Evaluations. *Natural Product Communications*. 2025;20(8). doi:[10.1177/1934578X251367153](https://doi.org/10.1177/1934578X251367153), **F.I. 1,6**
3. Telesphore, A.F.; Botezatu, A.V.; Istrati, D.I.; Furdul, B.; Dinica, R.M.; Razafindratovo, V.L.A. *Arthrospira platensis* var. *toliaensis*: A Local Sustainable Microalga for Food System Resilience. *Foods* **2025**, *14*, 2634. <https://doi.org/10.3390/foods14152634>, **F.I. 5,1**
4. Davy, M.V.; Steve, V.O.; Sammuell, T.R.; Boat, M.A.B.; Moise, N.A.; Busuioc, A.C.; Mbondi, P.E.; Botezatu, A.V.D.; Jules, M.K.; Mihaila, M.D.I.; et al. Morphological, Physiological, Biochemical, and Molecular Characterization of Fungal Species Associated with Papaya Rot in Cameroon. *J. Fungi* **2025**, *11*, 385. <https://doi.org/10.3390/jof11050385>, **F.I.4**
5. Dumitru, C.N.; Vizireanu, C.; Bahrim, G.E.; Dinica, R.M.; Lupoae, M.; Dumitru, A.O.; Gurau, T.V. Design and Optimization of a Plant-Based Synbiotic Beverage from Sprouted Buckwheat: A Multi-Response Approach for Enhancing Functional Properties. *Beverages* **2025**, *11*, 104. <https://doi.org/10.3390/beverages11040104>, **F.I.3,4**
6. Romeo Toko Feunaing, Alfred Ngenge Tamfu, Abel Joel Yaya Gbaweng, Cyrille Leonel Tchente Djoko, Fidele Ntchapda, Celine Henoumont, Sophie Laurent, Emmanuel Talla, El Hassane Anouar, Stephane Zingue, Rodica Mihaela Dinica, 3,3',4'-trimethoxy-4'-rutosylellagic acid and its acetylated derivative: Antioxidant activity and antiproliferative effects on breast cancer cells and molecular docking study, *Biomedicine & Pharmacotherapy*, Volume 179, 2024, 117370, ISSN 0753-3322, <https://doi.org/10.1016/j.biopha.2024.117370>, **F.I.6,9**
7. Feunaing, R.T.; Tamfu, A.N.; Gbaweng, A.J.Y.; Kucukaydin, S.; Tchamgoue, J.; Lannang, A.M.; Lenta, B.N.; Kouam, S.F.; Duru, M.E.; Anouar, E.H.; et al. In Vitro and Molecular Docking Evaluation of the Anticholinesterase and Antidiabetic Effects of Compounds from *Terminalia macroptera* Guill. & Perr. (Combretaceae). *Molecules* **2024**, *29*, 2456. <https://doi.org/10.3390/molecules29112456>
8. Sara El Moujahed, Faouzi Errachidi, Ana-Maria Morosanu, Hicham Abou Oualid, Sorin Marius Avramescu, Mihaela Dragoi Cudalbeanu, Fouad Ouazzani Chahdi, Youssef Kandri Rodi, Rodica-Mihaela Dinica, Sustainable Collagen Film Preparation with Tannins Extracted from Moroccan Pomegranate Byproduct Varieties: Thermal, Structural, and Nanoscaled Studies, *ACS Omega* **2024**, *9*, 25, 27428–27437,
9. Dah-Nouvlessounon, D.; Chokki, M.; Hoteyi, I.M.S.; Fassinou, F.; Ranga, F.; Fetea, F.; Diaconeasa, Z.; Vodnar, D.; Furdul, B.; Baba-Moussa, F.; et al. Pharmacological Property and Cytotoxic Effect Showing Antiproliferative Potency in Human Melanoma Cell Lines (A375) of *Combretum racemosum* P. Beauv. Leaf and Root Extracts Used in Benin. *Antioxidants* **2024**, *13*, 31. <https://doi.org/10.3390/antiox13010031>
10. Haouam, C.; Boudiba, S.; Tamfu, A.N.; Kucukaydin, S.; Hanini, K.; Zohra, H.F.; Hioun, S.; Botezatu, A.D.; Ceylan, Ö.; Boudiba, L.; et al. Assessment of Chemical Composition and In Vitro Antioxidant, Antidiabetic, Anticholinesterase and Microbial Virulence-Quenching Effects of Salad Burnet (*Sanguisorba minor* L.) Harvested from Algeria. *Plants* **2023**, *12*, 4134. <https://doi.org/10.3390/plants12244134>, **I.f.4,8**
11. Andreea Veronica Dedi Botezatu, Roxana-Mihaela Apetrei, Iuliana Florina Costea (Nour), Vasilița Barbu, Leontina Grigore-Gurgu, Florina Botez, Rodica Mihaela Dinica, Bianca Furdul, Geta Cârâc, Synthesis and characterization of novel chitosan derivatives (containing dipyrindinium quaternary salts) with antimicrobial potential, *Carbohydrate Research*, Volume 534, 2023, 108964, ISSN 0008-6215, <https://doi.org/10.1016/j.carres.2023.108964>, **I.f.3,1**

12. Alfred Ngege Tamfu, Yasemin Ispirli Dogaç, Ozgur Ceylan, Andreea Botezatu Dediu, Selahattin Bozkurt, Rodica Mihaela Dinica, "Antibiofilm and Anti-Quorum Sensing Potential of Safely-Synthesized Hydrated Zirconium Oxide-Coated Alginate Beads against Some Pathogenic Bacteria", *Journal of Chemistry*, vol. 2023, Article ID 9924845, 14 pages, 2023. <https://doi.org/10.1155/2023/9924845>, I.f.3,6
13. Souleymane, H.D.; Djibo, A.K.; Seyni, S.H.; Zakaria, O.; Botezatu, A.V.; Dinica, R.M.; Ibrahim Maman Laouali, A.; Kouakou, N.D.V. Phytochemical Characterization and In Vitro Evaluation of the Anti-Sickle Cell Activity of Aqueous and Ethanolic Extracts of Two Medicinal Plants from Niger: *Flueggea virosa* (Roxb. ex Willd.) Royle and *Kigelia africana* (Lam.) Benth. *Plants* **2023**, *12*, 3522. <https://doi.org/10.3390/plants12203522>, I.f.4,8
14. Botezatu, Andreea Veronica Dediu, Bahrim, Gabriela Elena, Ungureanu, Claudia Veronica, Busuioc, Anna Cazanevscaia, Furdul, Bianca and Dinica, Rodica Mihaela. "Green "one-pot" fluorescent bis-indolizine synthesis with whole-cell plant biocatalysis" *Green Processing and Synthesis*, vol. 12, no. 1, 2023, pp. 20230046. <https://doi.org/10.1515/gps-2023-0046>, I.f.4,3
15. Boudiba S, Tamfu AN, Hanini K, et al. Synthesis of a new diarylhydrazone derivative and an evaluation of its in vitro biofilm inhibition and quorum sensing disruption along with a molecular docking study. *Journal of Chemical Research*. 2023;47(4). doi:10.1177/17475198231184603, I.f.1,4
16. Metiefeng, N.T.; Tamfu, A.N.; Fotsing Tagatsing, M.; Tabopda, T.K.; Kucukaydin, S.; Noah Mbane, M.; de Theodore Atchade, A.; Talla, E.; Henoumont, C.; Laurent, S.; et al. *In Vitro* and *In Silico* Evaluation of Anticholinesterase and Antidiabetic Effects of Furanolabdanes and Other Constituents from *Graptophyllum pictum* (Linn.) Griffith. *Molecules* **2023**, *28*, 4802. <https://doi.org/10.3390/molecules28124802>, I.f.4,9
17. Busuioc, A.C.; Costea, G.V.; Botezatu, A.V.D.; Furdul, B.; Dinica, R.M. *Cucumis metuliferus* L. Fruits Extract with Antioxidant, Anti-Inflammatory, and Antidiabetic Properties as Source of Ursolic Acid. *Separations* **2023**, *10*, 274. <https://doi.org/10.3390/separations10050274>, I.f.2,7
18. Dah-Nouvlessounon, D.; Chokki, M.; Noumavo, A.D.P.; Cârâc, G.; Furdul, B.; Sina, H.; Zongo, C.; Savadogo, A.; Baba-Moussa, L.; **Dinica, R.-M.**; Baba-Moussa, F. Ethnopharmacological Value and Biological Activities via Antioxidant and Anti-Protein Denaturation Activity of *Morinda lucida* Benth and *Momordica charantia* L. Leaves Extracts from Benin. *Plants* **2023**, *12*, 1228. <https://doi.org/10.3390/plants12061228>, I.f.4,8
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 36. Druță, I., **Dinică, R.**, Băcu E., Reacții de cicloadiție dintre dipiridinil ilide și compuși acetilenici, *Sesiunea științifică jubiliară cu participare internațională*, Iași, 21-23 octombrie **1994**
 37. Druță, I., Smău, L., **Dinică, R.**, Reacția 2-(p-nitrofenil)-4-(-carboxietil)-5-oxazolinonei cu alcooli și amine, *Sesiunea științifică jubiliară cu participare internațională*, Iași, 21-23 octombrie **1994**

Brevete

1. Istrati, D., Vizireanu, C., Furdui, B., Constantin, O.E., Buruiană, C.-T., Mișu, D.C., Blaga (Costea), G.V., **Dinică, R.M.** Băutură nealcoolică probiotică fermentată din sorg germinat și procedeul de obținere a acesteia. Nr. Înregistrare Cerere Brevet de Invenție la OSIM: A/00765/23.11.2020
2. Brevet de invenție nr 126417 Titular: CEPROHART s.A Braila UNIVERSITATEA "Dunarea de Jos" in GALATI (UDJG) Titlul invenției: Hârtie securizată și procedeul de obținere a acesteia, Autori UDJG: Constantin Stanciu, Petronela Nechita, Geta Cârâc, **Rodica Dinica**, Acordat începând cu 03.12.2009, pt 20 de ani

Proiecte

Lista proiecte: Director de proiect

1. Proiecte internaționale

PI1. 2024-2025 Bilateral colaboration, CoBil Ro-Fr nr. 485/17.03.2024, Programme „Hubert Curien-Brancusi”, COMPOUNDS FOR ALZHEIMER AND CANCER TREATMENT /COMPUȘI MULTIȚINTIȚI PENTRU TRATAMENTUL CANCERULUI ȘI AL MALADIEI ALZHEIMER, PN-IV-P8-8.3-PM-RO-FR-2024-0149

PI2. 2022-2024, Erasmus KA220-HED, COOPERATION PARTNERSHIP, 2022-1-TR01-KA220-HED-000089361, „Green Chemistry Applications on Selected Medicinal and Aromatic Plants in the Artvin Region”,

PI3. 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 (Université «Joseph Fourier», Grenoble), **ANCS-UEFISCDI**

PI4. 2002-2004: Brancuși RO/24, Synthèse des luminophores avec une utilisation potentielle dans la médecine et l'évaluation de leurs propriétés spectrophysiques et biologiques, colaborare bilaterală de cercetare Romania –Franța (Université «Joseph Fourier», Grenoble), **ANCS**

PI5. 2012-2013 coordonator partener **Erasmus Mundus**, IP code 09_MB_IP_00146,EUCHEME: European Chemists for Energy, Materials and Environment, 012-1-IT2-ERA10-38852- Summer School – Coordonator Universita degli Studi di Camerino, Italia, Parteneri: P LISBOA04 - E GRANADA01 - E SEVILLA01 - F TOULOUSE28 – G IOANNIN01 - UK ABERDEE01 - RO GALATI01 - PL WROCLAW01-scoala intensiva de vara –Organizator Universita degli Studi di Camerino, Italia

PI6. 2009-2010 coordonator partener **Erasmus Mundus**, IP code 09_MB_IP_00146,ACAOC: Advanced Catalysis and Organometallic Chemistry –Coordonator Universita degli Studi di Camerino, Italia, Parteneri: P LISBOA04 - E GRANADA01 - E SEVILLA01 - F TOULOUSE28 - GIOANNIN01 - UK ABERDEE01 - RO GALATI01 - PL WROCLAW01-scoala intensiva de vara –Organizator Universita degli Studi di Camerino, Italia

PI7. Iunie 2011-august 2011 Bursa de cercetare AUF, Department of Molecular Pharmacology, Université «Joseph Fourier Grenoble, France, bursă obținută în urma unui concurs de proiecte

PI8. 2001-2002 Bursă de cercetare post-doctorală la LEDSS (Laboratoire d'Etudes Dynamiques et Structurales de la Selectivite), Université «Joseph Fourier», Grenoble, France, bursă obținută prin concurs

2. Proiecte nationale

PN1. 2023-2026, Director,ADER, Conservarea și valorificarea patrimoniului genetic al speciilor aromatice și medicinale pretabile a fi cultivate pe teritoriul României”, contract de finanțare nr. 521/18.07.2023-2026

PN2 2011-2016, Director PN-II-ID-PCE-2011-3-0226, UEFISCDI, „ACCESS TO NEW BIOACTIVE MOLECULES BY DEVELOPMENT OF ORIGINAL BIOCATALYSTS FOR REACTIONS LIKE CLICK-CHEMISTRY”, Beneficiar: Universitatea «Dunărea de Jos», Galați 1495 000 lei

PN3. 2003-2005, Director Grant CNCSIS tip AT nr 81/Sinteze de luminofori cu posibila utilizare in medicina și evaluarea proprietăților lor spectrofizice și biologice, Beneficiar: Universitatea «Dunărea de Jos», Galați, valoare, 300 000 lei

PN4. 2007, Director proiect Impact Hetlab nr. 1111/Septembrie - Laborator pentru studiul compusilor N-heterociclici cu proprietati biologice active fotochimice si electrochimice –câștigat prin competiție națională și nefinanțat

Lista proiecte: membru

3. Proiecte internaționale

PI1. Cost, ACTINPACK, Active and intelligent (fibre-based) packaging, 2015-2019, <http://www.actinpak.eu/members/>

PI2. CRÉATION D'UN RÉSEAU RÉGIONAL FRANCOPHONE SUR LA SANTÉ, LA NUTRITION ET LA SÉCURITÉ ALIMENTAIRE (SAIN) / CREAREA UNEI REȚELE FRANCOFONE REGIONALE REFERITOR LA NUTRIȚIE ȘI SIGURANȚA ALIMENTARĂ, 2017- 2019, conform Convenției- cadru încheiată cu Agence universitaire de la Francophonie - Europe centrale et orientale (AUF), înregistrată la UDJ Galați cu numărul 21899/ 06.09.2017

PI3. Contract de finanțare UEFISCDI cu nr. 618/2013, Utilizarea unor tulpini fungice selecționate pentru obținerea de compuși antimicrobieni cu impact în siguranța alimentară” Proiect de cooperare bilaterală Romania China, Coordonator, prof.dr. Gabriela Bahrim

PI4.Contract de finanțare UEFISCDI cu nr. 706/2013, Dezvoltarea și implementarea unor procedee eficiente de bioremediere a compușilor farmaceutici” Proiect de cooperare bilaterală Romania Franta, Coordonator, prof.dr. Gabriela Bahrim

PI5. PC7/Nr.263042/2011, FP7-MNP 2010 SMALL-4 – „POINTS”: Printable Organic-Inorganic Transparent Semiconductor Devices, Coordonator partener prof.dr. Viorica Mușat

4. Proiecte nationale

PN1. PN-III-P4-PCE-2021-0714, STRATEGII INOVATIVE ȘI DURABILE DE OBTINERE A ACOPERIRILOR PE BAZĂ DE HEMICELULOZĂ CU PROPRIETĂȚI ADECVATE HARTIEI DE AMBALAJ ACTIV PENTRU ALIMENTE (SustHC_CoatPack), contract PCE 22/2022, Dir. Prof.dr. Petronela Nechita

PN2. 2018-2021, PN-III-P1-1.2-PCCDI- 2017-0566, Sistem complex de valorificare integrală a unor specii agricole cu potențial energetic și alimentară (VALINTEGR), Proiecte complexe realizate în consorții CDI (PCCDI) - PN-III-P1-1.2-PCCDI- 2017-0566, Director Conf.dr. Furdui Bianca

PN3.2018-2020, PN-III-P1-1.1-PD-2016-0409 (53/2018) Mentor, Silver coordination polymers for antibacterial paper, Project manager Aurel Tăbăcaru

PN4. 2014-2016, membru în echipa, proiect nr. 1815, CENTRUL ROMÂN PENTRU MODELAREA SISTEMELOR RECIRCULANTE DE

ACVACULTURĂ, Axa 2 POSCCE, operațiunea O2.2.1 - Dezvoltarea infrastructurii C-D existente și crearea de noi infrastructuri C-D, 2014-2015

PN5. 2010-2013, POSDRU/89/1.S/52432-Tutore de cercetare ETL tip A, în proiectul cu titlul "ORGANIZAREA ȘCOLII POSTDOCTORALE DE INTERES NAȚIONAL "BIOTEHNOLOGII APLICATE" CU IMPACT ÎN BIOECONOMIA ROMÂNEASCĂ" (SPD-BIOTECH), Responsabil : Prof. Dr. Bahrim Gabriela

PN6. 2007-2010, Contract de Cercetare încheiat cu CNMP Nr.71 -126/62D7/18.09.2007, FILFLOSEC, partener Universitatea „Dunărea de Jos” din Galați, cercetător specialist, Director prof. Dr. Stanciu , valoare totală 400 000 lei, responsabil prof.dr. C. Stanciu

PN7. 2004-2005, Grant CNCSIS nr. 450/Cercetari privind obtinerea colorantilor galbeni alimentari, din surse naturale de origine fungica, in acord cu principiile moderne ale calitatii si sigurantei alimentare Beneficiar: Universitatea « Dunărea de Jos », Galați, valoare, 6000 lei Responsabil : Prof. Dr. Bahrim Gabriela

PN8. 2006-2008, CNCSIS 62 : Platforma de cercetare: *Bioaliment*, <http://www.bioaliment.ugal.ro/programe.htm>

Responsabil : Prof. Dr. Bahrim Gabriela, Valoare 4 570 000 RON

PN9. 2006-2008, CEEX modul I nr. 717/ 24.07.2006 : Îmbunătățirea indicatorilor calitativi la tratarea biologică a apelor reziduale din industria alimentară pe baza unor sisteme de conducere avansată - „APEPUR” – membru în echipa grantului al Universității „Dunărea de Jos” din Galați; Responsabil : Prof. Dr. Caraman Sergiu, Valoare : 1445000 lei

PN10. 2006-2007 CEEX modul IV nr. 299/ 18.09.2006- membru în echipa grantului: „Centru regional de cercetare și monitorizare a calitatii mediului” al Universității „Dunărea de Jos” din Galați; Responsabil : Prof. Dr. Georgescu Lucian, valoare totală: 709400 lei

PN11.CEEX modul III (2006-2007)- membru în echipa grantului: „Promovarea participării românești la proiecte europene fp7 in domeniul imunogeneticii diabetului zaharat si al medicinei regenerative cu celulele beta pancreatice” – DIABTER, al Universității „Dunărea de Jos” din Galați în parteneriat cu Spitalul Fundeni; Director: Prof. Univ. Dr. Irinel Popescu, Responsabil Galați : Prof. Dr. Georgescu Lucian

Membră în echipa de lucru la contractele de cercetare fundamemntală MCT Nr.: **1057/1992; 1058/1993; 1059/1994; 1060/1996-** Responsabil teme: Prof. dr. **Ioan Druță**-Catedra de Chimie a Univ. „Al. I.Cuza” din Iași

12.09.2025

Prof.dr.chim. habil. Rodica Mihaela Dinică

