



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, 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

Dates	Occupation or position held
1991-2023	
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	Title of qualification awarded
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” Uni
September 2004- March 1998	Lecturer Organic chemistry, biochemistry, food chemistry„Dunarea de J Galati
February 1998- April 1995	Dunarea de Jos” University, Galati Assistant Organic chemistry, biocl chemistry, structural organic compounds analysis
March 1995- October 1991	Assistant Organic chemistry, Sructural 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 living examination

- **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); 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

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 CNCISIS 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 two international grants:
2011-2113 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**
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 >30 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**", CNCSIS 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 OBTINERE 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, 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) 16

h index (GS) 22

h index (Scopus) 17

citations (GS) 1444

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 6 national and international project and member of 16 national and international projects)

Patent-2

19.05.2023

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, Andrea V. Dediu (Botezatu), and **Rodica M. Dinică***, 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
2. Ioana Otilia Ghinea, **Rodica Mihaela Dinică***, Rolul alimentelor func'ionale în prevenirea bolilor cardiovasculare, în Rolul nutriției în prevenirea bolilor cardiovasculare, Editura Medicala Universitara Iuliu Hateganu, Cluj-Napoca, **2018**
3. Ioana Otilia Ghinea, **Rodica Mihaela Dinică***, 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/>.
4. **Dinică R.**, Georgescu, M., Chimie organică ,editie imbogatita , 2007, Ed. Fundației Universitare "Dunărea de Jos", Galați, ISBN: 973-627-199-4, 350 pag
5. **Dinică R.**, Georgescu, M., Chimie organică , 2005, Ed. Fundației Universitare "Dunărea de Jos", Galați, ISBN: 973-627-199-4, 350 pag
6. **Dinică, 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
7. **Dinică, 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., **Dinică 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

- 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
- Florea T., **Dinică R.**, Crețu R., Furdui B., 2006, *Chimie organică. Lucrări Practice și probleme*, ed. Academica, ISBN: (10) 973-8937-14-0, (13) 978-973-8937-14-7, 218 pag
- Georgescu M., **Dinică R.**, Furdui B., 2004, *Lucrări Practice de Chimie organică preparativă*, ISBN: 973-727-144-7, 102 pg
- Zgherea Ghe., Georgescu M., Dima St., **Dinica 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
- 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 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 CNCSIS)

[C1] Articles published in listed journals ISI

- Boudiba S, Kucukaydin S, Tamfu AN, Blaise K, Munvera AM, Arab Y, et al. HPLC-DAD Phenolic Composition, Antioxidant, Anticholinesterase, Antidiabetic and Anti-quorum Sensing Properties of Bitter Kola (*Garcinia kola*) and Kolanut (*Cola acuminata*). *Pharmacognosy Research*. 2023;15(2):373-383, I.f. 0,26
- Dah-Nouvlessounon, D.; Chokki, M.; Noumavo, A.D.P.; Cârâc, G.; Furdui, 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. 4,65
- Lanciu Dorofte, A.; Dima, C.; Ceoromila, A.; Botezatu, A.; **Dinica, R.**; Bleoanca, I.; Borda, D. Controlled Release of β -CD-Encapsulated Thyme Essential Oil from Whey Protein Edible Packaging. *Coatings* 2023, 13, 508. <https://doi.org/10.3390/coatings13030508>, I.f. 3,23
- Sara El Moujahed, **Rodica Mihaela Dinica**, Hicham Abou Oualid, Mihaela Cudalbeanu, Andreea-Veronica Botezatu-Dediu, Anna Cazanevscaia Busuioc, Fouad Ouazzani Chahdi, Youssef Kandri Rodi, Faouzi Errachidi, Sustainable biomass as green and efficient crosslinkers of collagen: Case of by-products from six pomegranate varieties with global commercial interest in Morocco, *Journal of Environmental Management*, Volume 335, 2023, 117613, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2023.117613>, I.f. 8,91
- Sameh Boudiba, Selcuk Kucukaydin, Alfred Ngenge Tamfu, Kom Blaise, Aristide Mfifun Munvera, Yasmine Arab, Ozgur Ceylan, Rodica Mihaela Dinica, HPLC-DAD Phenolic Composition, Antioxidant, Anticholinesterase, Antidiabetic and Anti-quorum Sensing Properties of Bitter Kola (*Garcinia kola*) and Kolanut (*Cola acuminata*), *Pharmacogn. Res.*, 2023; 15(2):373-383, *Pharmacognosy Research*, Vol 15, Issue 2, Apr-Jun, 2023, DOI:10.5530/pres.15.2.040, I.f. 0,26
- Eliasse Zongo; Anna Busuioc; Roland Nâg-Tiero Meda; Andreea Veronica Botezatu; Maria Daniela Mihaila; Benjamin Kouliga Koama; Sami Eric Kam; Hadidiatou Belem; Franck Le Sage Somda; Clarisse Ouedraogo; Georges Anicet Ouedraogo; **Rodica Mihaela Dinica**, Exploration of Two Traditional Medicine Plant Species from Hauts-Bassins Region of Burkina Faso through anti-Inflammatory and Antioxidant Activity, *Pharmaceuticals (Basel)*. 2023 Jan; 16(1): 133, doi: 10.3390/ph16010133, I.f. 5,2,
- Fănică Bălănescu, Andreea Veronica Botezatu, Fernanda Marques, Anna Busuioc, Olivian Marinceș, Costel Vînațoru, Geta Cârâc, Bianca Furdui, and **Rodica Mihaela Dinica***, Bridging the Chemical Profile and Biological Activities of a New Variety of *Agastache foeniculum* (Pursh) Kuntze Extracts and Essential Oil *Int. J. Mol. Sci.* **2023**, 23, <https://doi.org/10.3390/ijms231810818>, I.f. 6,2
- Feunaing, R.T.; Tamfu, A.N.; Gbaweng, A.J.Y.; Mekontso Magnibou, L.; Ntchapda, F.; Henoumont, C.; Laurent, S.; Talla, E.; **Dinica, R.M***. In Vitro Evaluation of α -amylase and α -glucosidase Inhibition of 2,3-Epoxyprocyanidin C1 and Other Constituents from *Pterocarpus erinaceus* Poir. *Molecules* **2023**, 28, 126. <https://doi.org/10.3390/molecules28010126>, I.f. 4,92

9. Bușilă, M.; Mușat, V.; **Dinică, R.**; Tutunaru, D.; Pantazi, A.; Dorobantu, D.; Culiță, D.C.; Enăchescu, M. Antibacterial and Photocatalytic Coatings Based on Cu-Doped ZnO Nanoparticles into Microcellulose Matrix. *Materials* **2022**, *15*, 7656. <https://doi.org/10.3390/ma15217656>, **IF 3,74**
10. Koudoro Yaya Alain, Alfred NgengeTamfu, Selcuk Kucukaydince Ozgur Ceylan, Agbangnan Dossa Kokou Pascal, Avlessi Félicien Sohounhlou, Codjo Koko Dominique, Mehmet EminDuru, **Rodica Mihaela Dinica**, Phenolic profiles, antioxidant, anti-quorum sensing, antibiofilm and enzyme inhibitory activities of selected Acacia species collected from Benin, *LWT*, Available online 12 November **2022**, 114162, <https://doi.org/10.1016/j.lwt.2022.114162>, **IF. 6.295**
11. Daraban, G.M.; Rusu, L.; **Dinica, R.M.**; Roșca, M.; Badeanu, M.; Mihaila, M.D.I.; Suteu, D. Exploring the Antioxidant and Bioinsecticidal Activity of Spontaneous Flora Vegetal Extracts for Plant Protection and Prevention of Soil Contamination. *Separations* **2022**, *9*, 260. <https://doi.org/10.3390/separations9090260>, **IF 3,34**
12. Inna, Samomssa., Henriette, A.Z., Boukar, H., Tsamo Cornelius, Geta Cârâc, **Rodica Dinică Mihaela**, Mouangue Ruben, Kamga Richard Compositional characteristics and theoretical energy potential of animal droppings from Adamawa region of Cameroon. *Biomass Conv. Bioref.*, oct **2022**. <https://doi.org/10.1007/s13399-022-03320-4>, **IF 4.103**
13. Silihe, K.K.; Stephane, Z.; Kemegne Sipping, M.T.; Cazanevscaia, A.B.; Dediu Botezatu, A.V.; Njamen, D.; **Dinica, R.M.** The Antioxidant Potential of Ficus Umbellata Vahl (Moraceae) That Accelerates In Vitro and the In Vivo Anti-Inflammatory Protective Effects. *Appl. Sci.* **2022**, *12*, 9070. <https://doi.org/10.3390/app12189070>, **IF 2,8**
14. Tamfu, A.N.; Ceylan, O.; Cârâc, G.; Talla, E.; **Dinica, R.M.** Antibiofilm and Anti-Quorum Sensing Potential of Cycloartane-Type Triterpene Acids from Cameroonian Grassland Propolis: Phenolic Profile and Antioxidant Activity of Crude Extract. *Molecules* **2022**, *27*, 4872. <https://doi.org/10.3390/molecules27154872>, **I.F. 4,927**
15. El Moujahed, S.; **Dinica, R.-M.**; Cudalbeanu, M.; Avramescu, S.M.; Msegued Ayam, I.; Ouazzani Chahdi, F.; Kandri Rodi, Y.; Errachidi, F. Characterizations of Six Pomegranate (*Punica granatum* L.) Varieties of Global Commercial Interest in Morocco: Pomological, Organoleptic, Chemical and Biochemical Studies. *Molecules* **2022**, *27*, 3847. <https://doi.org/10.3390/molecules27123847>, **I.F. 4,927**
16. Balanescu, F.; Busuioc, A.C.; Botezatu, A.V.D.; Gosav, S.; Avramescu, S.M.; Furdui, B.; **Dinica, R.M.** Comparative Study of Natural Antioxidants from *Glycine max*, *Anethum graveolens* and *Pimpinella anisum* Seed and Sprout Extracts Obtained by Ultrasound-Assisted Extraction. *Separations* **2022**, *9*, 152. <https://doi.org/10.3390/separations9060152>, **I.F.3,44**
17. Tamfu, AN; Roland, N; (...); **Dinica, RM**, Phenolic composition, antioxidant and enzyme inhibitory activities of *Parkia biglobosa* (Jacq.) Benth., *Tithonia diversifolia* (Hemsl) A. Gray, and *Crossopteryx febrifuga* (Afzel.) Benth, Apr **2022** | ARABIAN JOURNAL OF CHEMISTRY *15* (4), **FI 6,2**
18. El Moujahed S, Errachidi F, Abou Oualid H, Botezatu-Dediu AV, Ouazzani Chahdi F, Kandri Rodi Y, **Dinica RM**. Extraction of insoluble fibrous collagen for characterization and crosslinking with phenolic compounds from pomegranate byproducts for leather tanning applications. *RSC Adv.* **2022** Feb 2;12(7):4175-4186. doi: 10.1039/d1ra08059h. PMID: 35425412; PMCID: PMC8981120, **IF4.036**
19. Isabelle Baussanne, Olga Firstova, Andreea Botezatu Dediu, Camille Larosa, Bianca Furdui, Ioana Ottilia Ghinea, Aline Thomas, Sabine Chierici, **Rodica Dinica**, Martine Demeunynck, Interest of novel N-alkylpyridinium-indolizine hybrids in the field of Alzheimer's disease: Synthesis, characterization and evaluation of antioxidant activity, cholinesterase inhibition, and amyloid fibrillation interference, *Bioorganic Chemistry*, Volume 116, **2021**, 105390, <https://doi.org/10.1016/j.bioorg.2021.105390> **IF 5.321**
20. **Dinica, R.M.**; Sandu, C.; Dediu Botezatu, A.V.; Cazanevscaia Busuioc, A.; Balanescu, F.; Ionica Mihaila, M.D.; Dumitru, C.N.; Furdui, B.; Iancu, A.V. Allantoin from Valuable Romanian Animal and Plant Sources with Promising Anti-Inflammatory Activity as a Nutricosmetic Ingredient. *Sustainability* **2021**, *13*, 10170. <https://doi.org/10.3390/su131810170>, **IF 3,8**
21. Beddiar, H.; Boudiba, S.; Benahmed, M.; Tamfu, A.N.; Ceylan, Ö.; Hanini, K.; Kucukaydin, S.; Elomri, A.; Bensouici, C.; Laouer, H.; Akkal, S.; Boudiba, L.; **Dinica, R.M.** Chemical Composition, Anti-Quorum Sensing, Enzyme Inhibitory, and Antioxidant Properties of Phenolic Extracts of *Clinopodium nepeta* L. Kuntze. *Plants*, **2021**, *10*, 1955. <https://doi.org/10.3390/plants10091955>, **FI 4,65**
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