

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	1991-2021
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, 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 Reasearch

Education and training

Dates	November 1999- January 1992 PhD in Organic Chemistry, "Al.I.Cuza", University, Iasi October 2004 -present Associate Professor Organic chemistry, biochemistry, food chemistry, „Du University, Galati 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, bioc chemistry, structural organic compounds analysis March 1995- October 1991 Assistant Organic chemistry, structural organic compounds analysis "Al.I.Cu: Iasi June 1991- October 1986 "Al.I.Cuza", University , Iasi Licentiate in Chemistry June 1986 - September 1982 Calistrat Hogas, College, Tecuci 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

Rodica

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- THEMPUS 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

Rodica

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 the 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 CNCSIS 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 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 -23 PhD and postdoctoral students

Responsible 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

Catalyst

Plants

Sustainability

Scientific reviewer:

-European Journal of Medicinal Chemistry

-Molecules

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

Rodica

Membership:

-- 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
International Scientific reviewer on Agricultural and Biological Sciences Conference (ABS2015)
-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,

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 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, Gavrila 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.

Rodica

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, 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
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) 13

h index (GS) 16

h index (Scopus) 13

citations 594

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-1

B. Books, Chapters

[B1] Autor

1. Bianca Furdui, Andrea 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
2. Ioana Otilia Ghinea, **Rodica Mihaela Dinica***, 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 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/>.
4. **Dinică R.**, Georgescu, M., Chimie organică, editie imbogatita, 2007, Ed. Fundației Universitare “Dunărea de Jos”, Galați, ISBN: 973-627-199-4, 350 pag

Rodica

5. **Dinică R.**, Georgescu, M., Chimie organică , 2005, Ed. Fundației Universitare "Dunărea de Jos", Galați, ISBN: 973-627-199-4, 350 pag
6. **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
7. **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. Furdul 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., Furdul 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., Furdul 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., **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
9. 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

[C1] Articles published in listed journals ISI

1. Cudalbeanu, M.; Peitinho, D.; Silva, F.; Marques, R.; Pinheiro, T.; Ferreira, A.C.; Marques, F.; Paulo, A.; Soeiro, C.F.; Sousa, S.A.; Leitão, J.H.; Tăbăcaru, A.; Avramescu, S.M.; **Dinica, R.M.***; Campello, M.P.C. Sono-Biosynthesis and Characterization of AuNPs from Danube Delta *Nymphaea alba* Root Extracts and Their Biological Properties. *Nanomaterials* **2021**, *11*, 1562. <https://doi.org/10.3390/nano11061562>
2. Ghinea, I.O.; Ionica Mihaila, M.D.; Blaga, G.-V.; Avramescu, S.M.; Cudalbeanu, M.; Isticioaia, S.-F.; **Dinica, R.M.***; Furdul, B. HPLC-DAD Polyphenolic Profiling and Antioxidant Activities of *Sorghum bicolor* during Germination. *Agronomy* **2021**, *11*, 417. <https://doi.org/10.3390/agronomy11030417>
3. Tamfu, Alfred N.; Ceylan, Ozgur; Kucukaydin, Selcuk; Ozturk, Mehmet; Duru, Mehmet E.; **Dinica, Rodica M.*** 2020. "Antibiofilm and Enzyme Inhibitory Potentials of Two Annonaceous Food Spices, African Pepper (*Xylopiya aethiopic*) and African Nutmeg (*Monodora myristica*)" *Foods* **9**, no. 12: 1768. <https://doi.org/10.3390/foods9121768>
4. Busuioc, A.C.; Botezatu, A.-V.D.; Furdul, B.; Vinatoru, C.; Maggi, F.; Caprioli, G.; **Dinica, R.-M.*** Comparative Study of the Chemical Compositions and Antioxidant Activities of Fresh Juices from Romanian Cucurbitaceae Varieties. *Molecules* **2020**, *25*, 5468.
5. Balanescu, F.; Mihaila, M.D.I.; Cârâc, G.; Furdul, B.; Vinătoru, C.; Avramescu, S.M.; Lisa, E.L.; Cudalbeanu, M.; **Dinica, R.M.*** Flavonoid Profiles of Two New Approved Romanian *Ocimum* Hybrids. *Molecules* **2020**, *25*, 4573.
6. Buruiană, C.-T.; Georgescu, L.; Isticioaia, S.-F.; Constantin, O.E.; Vizireanu, C.; **Dinică, R.M.***; Furdul, B. Insights on Monosaccharides and Bioethanol Production from Sweet Sorghum Stalks Using Dilute Acid Pretreatment. *Processes* **2020**, *8*, 1486.
7. Botezatu (Dediu), A.V.; Horincar, G.; Ghinea, I.O.; Furdul, B.; Bahrim, G.-E.; Barbu, V.; Balanescu, F.; Favier, L.; **Dinica, R.-M.*** Whole-Cells of *Yarrowia lipolytica* Applied in "One Pot" Indolizine Biosynthesis. *Catalysts* **2020**, *10*, 629.
8. Chokki, M.; Cudălbeanu, M.; Zongo, C.; Dah-Nouvlessounon, D.; Ghinea, I.O.; Furdul, B.; Raclea, R.; Savadogo, A.; Baba-Moussa, L.; Avramescu, S.M.; **Dinica, R.M.***; Baba-Moussa, F. Exploring Antioxidant and Enzymes (A-Amylase and B-Glucosidase) Inhibitory Activity of *Morinda lucida* and *Momordica charantia* Leaves from Benin. *Foods* **2020**, *9*, 434.
9. Cudalbeanu, M., Furdul, B., Cârâc, G., Barbu, V., Iancu, A.V., Marques, F., Leitão, J.H., Sousa, S.A., **Dinica, R.M.***, Antifungal, antitumoral and antioxidant potential of the danube delta *nymphaea alba* extracts, Antibiotics

Romina

- 9(1),7, 2020, DOI: 10.3390/antibiotics9010007
10. Aurel Tăbăcaru, Andreea Veronica Botezatu Dediu, **Rodica Mihaela Dinică**, Geta Cârâc, Vasile Basliu, Maria Paula Cabral Campello, Francisco Silva, Catarina I.G. Pinto, Joana F. Guerreiro, Marta Martins, Filipa Mendes, Fernanda Marques, Biological properties of a new mixed lanthanide(III) complex incorporating a dipyridinium ylide, *Inorganica Chimica Acta*, June 2020
 11. Tchameni, S.N., Cotârleț, M., Ghinea, I.O., Bedine, M.A.B., Sameza, M.L., Borda, D., Bahrim, G., **Dinică, R.M.***, Involvement of lytic enzymes and secondary metabolites produced by *Trichoderma* spp. in the biological control of *Pythium myriotylum*, *International Microbiology*, 2020, 10.1007/s10123-019-00089-x
 12. Tabacaru, A; Pettinari, C; Busila, M; **Dinica, RM***, New Antibacterial Silver(I) Coordination Polymers Based on a Flexible Ditopic Pyrazolyl-Type Ligand, *POLYMERS* 2019 Volume: 11, Issue: 10, DOI: 10.3390/polym11101686
 13. Tabacaru, A; **Dinica, RM**; Cudalbeanu, M; Nicolescu, CM; Bumbac, M, Catalytic Effect of Photoluminescent Zinc Oxide Nanoparticles Formed in the Presence of Quaternary Ammonium Salts, *MATERIALS*, Volume: 12, Issue: 13, DOI: 10.3390/ma12132066, JUL 1 2019
 14. Tabacaru, A; Botezatu, AVD; Horincar, G; Furdui, B; **Dinica, RM***, Green Accelerated Synthesis, Antimicrobial Activity and Seed Germination Test of Quaternary Ammonium Salts of 1,2-bis(4-pyridyl)ethane, *MOLECULES*, Volume: 24, Issue: 13, DOI: 10.3390/molecules24132424, JUL 1 2019
 15. Patriche, S; Ghinea, IO; Adam, G; Gurau, G; Furdui, B; **Dinica, RM***; Laura-Florentina Rebegea Lupoaie, M, Characterization of Bioactive Compounds from Romanian *Cetraria islandica* (L) Ach., *Revista de chimie*, 69, No. 10, 2019, 70, 6, 2186-2191, JUN 2019
 16. Istrati D. I., Constantin O. E., Vizireanu C., **Rodica D.**, Furdui B., Sorghum as Source of Functional Compounds and their Importance in Human Nutrition, *The Annals of the University Dunarea de Jos of Galati, Fascicle VI – FOOD TECHNOLOGY*, 43(2), 189-205, 2019,
 17. Bianca Mihăilă, **Rodica Mihaela Dinică**, Alin Laurențiu Tatu, Olimpia Dumitriu Buzia, New insights in vitiligo treatments using bioactive compounds from *Piper nigrum*, Experimental and therapeutic medicine, September 24, 2019, DOI: 10.3892/etm.2018.6977, <https://www.spandidos-publications.com/10.3892/etm.2019.6977>,
 18. Olimpia Dumitriu Buzia, Nela Mardare, Alexandra Florea, Camelia Diaconu, **Rodica Mihaela Dinica***, Alin Laurențiu Tatu, Formulation and Preparation of Pharmaceuticals with Anti-rheumatic Effect Using the Active Principles of Capsicum Annuum and Piper, *Revista de chimie*, 69, No. 10, 2018, https://www.revistadechimie.ro/article_eng.asp?ID=6639
 19. Mihaela Cudalbeanu, Ioana Otilia Ghinea, Bianca Furdui, Durand Dah-Nouvlessounon, Robert Raclea, Teodor Costache, Iulia Elena Cucolea, Florentina Urgan and **Rodica Mihaela Dinica***, Exploring New Antioxidant and Mineral Compounds from *Nymphaea alba* Wild-Grown in Danube Delta Biosphere, *Molecules* 2018, 23(6), 1247; doi:10.3390/molecules23061247
 20. Andreea Cârâc, Rica Boscencu, **Rodica Mihaela Dinica**, Joana F. Guerreiro, Francisco Silva, Fernanda Marques, Maria Paula Cabral Campello, Ca˘lin Moise, Oana Brincoveanu, Marius Enachescu, Geta Cârâc, Aurel Tabacaru, Synthesis, characterization and antitumor activity of two new dipyridinium ylide based lanthanide(III) complexes, *Inorganica Chimica Acta* 480 (2018) 83–90
 21. IRINA STOICA, ANCA ROXANA PETROVICI, MIHAELA SILION, CRISTIAN-DRAGOS VARGANICI, **RODICA DINICA** and GABRIELA BHRIM, CORN COB HYDROLYZATES USED FOR MICROBIAL BIOSYNTHESIS OF POLYHYDROXYBUTYRATE, *Cellulose Chem. Technol.*, 52 (1-2), 65-74(2018)
 22. Carac, A, Boscencu, R, Dediu, AV; Bungau, SG; **Dinica, RM**, Solvent Effects on the Spectral and Electrochemical Properties of Some Pyridinium Quaternary Compounds, *REVISTA DE CHIMIE*, 68, 7, 1423-1428, 2017
 23. Aurel Tăbăcaru, Bianca Furdui, Ioana Otilia Ghinea, Geta Cârâc, **Rodica Mihaela Dinică***, Recent Advances in Click Chemistry Reactions Mediated by Transition Metal Based Systems, *Inorganica Chimica Acta*, 20 jul 2017, 10.1016/j.ica.2016.07.029, <http://dx.doi.org/10.1016/j.ica.2016.07.029>,
 24. Carac, Andreea, Boscencu, Rica, Patriche, Simona, **Dinica Rodica Mihaela**; Carac, Geta; Gird, Cerasela Elena, Antioxidant and Antimicrobial Potential of Extracts from Aloe vera Leaves, *REVISTA DE CHIMIE*, 67, 4, 654-658, 2016
 25. Tabacaru, A; Musat V; **Dinica, RM**, Gheorghies, C, Catalytic Effect of Zinc Oxide Nanoparticles Prepared through Assisted Modification with a Diquaternary Salt of Bis(pyridinium), *REVISTA DE CHIMIE*, 68, 8, 1508-1512, 2016
 26. Constantin O. E., Furdui B., Bahrim G., **Dinică R. M.**, Evaluation of the Antimicrobial Effects of New Heterocyclic Bis-Quaternary Ammonium Compounds on Biofilms, *Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 2016, 17 (2), pp. 199 – 210, ISSN 1582-540X
 27. Ngomo, O., Mbah, J.B.B., Kamga, R., **Dinica, R.**, Adsorption of palm oil carotenes on natural and acid activated montmorillonite clays, *Studia Universitatis Babeş-Bolyai Chemia*, 61 (2), pp. 119-126, 2016
 28. Simon Bonte, Ioana Otilia Ghinea, **Rodica Dinica**, Isabelle Baussanne, and Martine Demeunynck, Investigation of the Pyridinium Ylide—Alkyne Cycloaddition as a Fluorogenic Coupling Reaction, *Molecules*, 2016, 21(3), 332; doi:10.3390/molecules21030332, <http://www.mdpi.com/1420-3049/21/3/332>, if 2, 416
 29. Andreea Carac, Rica Boscencu, Simona Patriche, **Rodica Mihaela Dinica**, Geta Carac, Cerasela Elena Gird, Antioxidant and Antimicrobial Potential of Extracts from Aloe vera Leaves, *REV. CHIM.*, 2016, 67, No. 4, <http://www.revistadechimie.ro/pdf/STEFAN%20C.pdf%208%2014.pdf>, if 0.810
 30. Nechita, P., E. Bobu, G. Parfene, **R. M. Dinica**, and T. Balan, Antimicrobial coatings based on chitosan derivatives and quaternary ammonium salts for packaging paper applications, *Cellulose Chem. Technol.*, 49 (7-8), 625-632 (2015), [http://www.cellulosechemtechnol.ro/pdf/CCT7-8\(2015\)/p.625-632.pdf](http://www.cellulosechemtechnol.ro/pdf/CCT7-8(2015)/p.625-632.pdf)
 31. Paul Lupoaie, Victor Cristea, Daniela Borda, Mariana Lupoaie, Gabriela Gurau and **Rodica M. Dinica***, Phytochemical Screening: Antioxidant and Antibacterial Properties of *Potamogeton* Species in Order to Obtain Valuable Feed Additives, *J. Oleo Sci.*, September 15, 64, 10, 1111-1123, 2015, https://www.jstage.jst.go.jp/article/jos/64/10/64_ess15023/_article, if 0.968

Rom

32. Cârâc, A Boscencu, R. **Dinică, R.M.** Cârâc, G, Electrochemical behaviour of the new heterocyclic pyridinium ligands, *Studia Universitatis Babeş-Bolyai Chemia*, 60, 3, 2015, Pages 99-109, <http://chem.ubbcluj.ro/~studiachemia/docs/Chemia32015.pdf>, if 0,191
33. Furdui B, Parfene G, Ghinea O., **Dinica, R***, Ghinea I. O., Bahrim G. and Demeunynck M., Synthesis and In Vitro Antimicrobial Evaluation of New N-Heterocyclic Diquaternary Pyridinium Compounds, *Molecules*, 2014, 19, ISSN 1420-3049, 10.3390/molecules190811572, www.mdpi.com/journal/molecules, if 2, 416
34. C. Popa; L.Favier; **R. Dinica**; S.Semrany; H.Djelal; A.Amrane, G. Bahrim, Potential of newly isolated wild *Streptomyces* strains as agents for the biodegradation of a recalcitrant pharmaceutical, carbamazepine, *Environmental Technology*, 3 Jun 2014, DOI:10.1080/09593330.2014.931468, http://www.tandfonline.com/doi/full/10.1080/09593330.2014.931468#.U8qlfeN_tu4, if 1,560,
35. Liliana Gîtin, **Rodica Dinică**, Camelia Neagu, Loredana Dumitrascu, Sulfur compounds identification and quantification from *Allium* spp. fresh leaves, *Journal of Food and Drug Analysis*, Volume 22, Issue 4, December 2014, Pages 425-430 doi:10.1016/j.jfda.2014.04.002, 2014, <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S1021949814000544>, ELSEVIER SCIENCE SA, if 0,615,
36. Vicentiu Bogdan Horincar, Georgiana Parfene, Amit Kumar Tyagi, Davide Gottardi, **Rodica Dinică**, Maria, Elisabetta Guerzoni, et al., Extraction and characterization of volatile compounds and fatty acids from red and green macroalgae from the Romanian Black Sea in order to obtain valuable bioadditives and biopreservatives, *Journal of Applied Phycology*, May 2014, DOI 10.1007/s10811-013-0053-0, Springer, <http://link.springer.com/article/10.1007/s10811-013-0053-0>, if 2,559,
37. Simon Bonte, Ioana Otilia Ghinea, Isabelle Baussanne, Jean-Paul Xuere, **Rodica Dinica** and Martine Demeunynck, Investigation of the lipase catalysed reaction of aliphatic amines with ethyl propiolate as a route to N-substituted propiolamides, *TETRAHEDRON*, Volume 69, Issue 26, 1 July, 2013, <http://dx.doi.org/10.1016/j.tet.2013.04.093>, <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0040402013006534>, ELSEVIER SCIENCE SA, if 2.641
38. Caterina Brajdes (Dumitru), Gabriela Bahrim, **Rodica Dinica**, Camelia Vizireanu, Phenolics composition and their biochemical stability confirmation by INVITRO gastrointestinal conditions simulation, for a new functional fermented beverage based on sprouted buckwheat, *Romanian Biotechnological Letters*, Vol. 18, No.6, 2013, <http://www.rombio.eu/vol18nr6/12%20Brajdes.pdf>, if 0,404
39. **Dinica R. M.**, Bianca Furdui, Ioana Otilia Ghinea, Gabriela Bahrim, Simon Bonte and Martine Demeunynck, Novel One-Pot Green Synthesis of Indolizines Biocatalysed by *Candida antarctica* Lipases, *MAR. DRUGS*, 2013, 11(2), 431-439; doi:10.3390/md11020431, <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3640390/>, MDPI,
40. Leontina Gurgu, Vasilica Barbu, **Rodica Dinică**, Studies about expression of CbhB encoding gene from *Aspergillus niger* into *Saccharomyces cerevisiae*, *Romanian Biotechnological Letters*, Vol. 18, No.1, 2013, <http://www.biotechgen.eu/RBL/13%20Gurgu%20.pdf>, if 0,404
41. Claudia Simona Stefan, Oana Constantin, Carac G., **Dinică R.**, Tutunaru D., Georgescu C., Imidazolium Octanoate Carboxylate as New Branching Agent in Lysozyme Crystallization, *REV. CHIM.*, 2014, 65, No. 8, <http://www.revistadechimie.ro/pdf/STEFAN%20C.pdf%208%2014.pdf>, if 0.810
42. Daniela Istrati, Oana Constantin, Camelia Vizireanu, **Rodica M. Dinica**, The study of antioxidant and antimicrobial activity of extracts for meat marinades, *ROMANIAN BIOTECHNOLOGICAL LETTERS*, Vol. 19, No. 5, 9687, 2014, if 0,404
43. Stefan, Claudia Simona; **Dinica, Rodica**; Anouli, Meriem; et al, Pyrrolidinium Octanoate Carboxylate as PIL Agent in the Growth Mechanism of Lysozyme Spherulites, *ROMANIAN BIOTECHNOLOGICAL LETTERS* Volume: 18 Issue: 3 Pages: 8233-8244 Published: MAY-JUN 2013, if 0,404
44. Nicoleta-Maricica Maftei, Iuliana Aprodu, **Rodica Dinica** and Gabriela Bahrim, New fermented functional product based on soy milk and sea buckthorn syrup, *CYTA – JOURNAL OF FOOD*, Vol.11, No. 3, February 7th, 2013, 1–14, Taylor & Francis Online, <http://dx.doi.org/10.1080/19476337.2012.730554>, http://www.tandfonline.com/doi/full/10.1080/19476337.2012.730554#.U8q2TON_tu4, if 0,824
45. Istrati, Daniela; Ionescu, Aurelia; Vizireanu, Camelia; **Dinica, R**, The tenderization of bovine Biceps femoris muscle using marinades on the basis of wine, Author(s) et al.Source: *ROMANIAN BIOTECHNOLOGICAL LETTERS* Volume: 17 Issue: 6 Pages: 7787-7795 Published: NOV-DEC 2012, <http://www.rombio.eu/rbl6vol17/10%20Daniela%20Istrati.pdf>, if 0,404
46. Stoica, M ;Bahrim, G ; **Dinica, R** ; Carac, G , Electrochemical study of stainless steel characteristic modification on correlative effect of fungal cell suspension and ActiSEPT used as biocide for equipment disinfection in bioprocessing of food, *JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS* Volume: 14 Issue: 3-4 Pages: 317-322 Published: MAR-APR 2012, if 0,429
47. Stoica, M ; Mikoliunaitė, L ; Ramanaviciene, A ; Alexe, P ; Carac, G ; **Dinica, R** ; Ramanavicius, A, Corrosion study of stainless steel incubated in solutions consisting of biocide (Oxonia-Active (R)) and *Aspergillus niger* suspension *CHEMIJA* Volume: 23 Issue: 3 Pages: 180-186 Published: 2012, <http://www.lmaleidykla.lt/chemija/2012/3/6735>, if 0,472
48. Bianca Furdui, **Rodica M. Dinica***, Aurel Tabacaru, Claudio Pettinari, Synthesis and physico-chemical properties of a novel series of aromatic electron acceptors based on N-heterocycles, *TETRAHEDRON*, 68, Issue 31, 6164-6168, 2012, <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0040402012007958>, ELSEVIER SCIENCE SA, doi:10.1016/j.tet.2012.05.077, ELSEVIER SCIENCE SA, if 2.641

Romina

49. Furdui, Bianca; Constantin, Oana; Tabacaru, Aurel; Rodica DINICĂ*, New bis-Pyridinium Diquaternary Salts with Antimicrobial Properties, REVISTA DE CHIMIE Volume: 63 Issue: 7 Pages: 667-671 Published: JUL 2012, <http://www.revistadechimie.ro/article.asp?ID=3350>, if 0.810
50. Liliana GÎTIN, Rodica DINICĂ, Raluca PARNAVEL, The Influence of Extraction Method on the Apparent Content of Bioactive Compounds in Romanian *Allium* spp. Leaves, NOTULAE BOTANICAE HORTI AGROBOTANICI, vol.40, No1, p.93-97, 2012, <http://www.notulaebotanicae.ro/index.php/nbha/article/view/7212>, if 0.547
51. Dodehe Yeo, Rodica Dinica, Houphouet Felix Yapi, Bianca Furdui, Mirela Praisler, Allico Joseph Djaman et Jean David, Évaluation de l'activité anti-inflammatoire et screening phytochimique des feuilles de *Annona senegalensis*, p. 73, Therapie, Thérapie, 7Avril 2011, 0040-5957, DOI: 10.2515/therapie/2010076, <http://www.ncbi.nlm.nih.gov/pubmed/21466781?dopt=AbstractPlus>, if 0,505
52. Laurent Bouffier, Rodica Dinica, Julien Debray, Pascal Dumy, Martine Demeunynck, Functionalization of the A ring of pyridoacridine as a route toward greater structural diversity. Synthesis of an octacyclic analogue of eilatin, Bioorg. Med. Chem. Letters, 19, 2009, 4836-4838; <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0960894X09008701>, i.f.2,420
53. Inge Gazi, G. Bahrim, R. Dinică, M*. Demeunynck In vitro Antimicrobial Activity Evaluation of New Nitrogen Heterocycles Derivates from Acridine, Roum. Biotech. Lett., 13 (5), 2008, <http://www.rombio.eu/rbl5vol13/Lucrare%2011%20bt.pdf>, ISSN 1224 - 5984; if. 0,404
54. Gosav S., R. Dinica, M. Praisler, Choosing between GC-FTIR and GC-MS spectra for an efficient intelligent identification of illicit amphetamines, Journal Of Molecular Structure, Volume 887, Issues 1-3, 17 September 2008, Pages 269-278, <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0022286008002482>, ELSEVIER SCIENCE SA, factor impact 1,602,
55. B. Furdui, R. Dinică, M. Demeunynck, I. Druță – „Structural investigations of substituted indolizine derivatives by NMR studies”, Romanian Journal of Physics, 53,1-2,343-351, 2008, indexed and abstracted in Science Citation Expanded™ and Journal Citation Reports™/Science Edition, factor impact 0.924
56. R. Dinică, Furdui B., G. Bahrim, M. Demeunynck, Precurseurs de nouveaux heterocycles d'intérêt biologique, Rev. Roum. Chim., 2008, 53(1), ISSN: 0035-3930, http://revroum.getion.ro/wp-content/uploads/2008/RRCh_1_2008/Art%2003.pdf, EDITURA ACADEMIEI ROMANE factor impact 0.311
57. Furdui B., R. Dinică, M. Demeunynck, I. Druță Al. Vlahovici, New reactive pyridinium-indolizines fluorophores, Rev. Roum. Chim., 2007, 52(7),633-637, <http://revroum.getion.ro/2007/07/>, ISSN: 0035-3930, EDITURA ACADEMIEI ROMANE factor impact 0.311
58. R. Dinica, Fabio Marchetti , Claudio Pettinari , Brian W. Skelton, Allan H. White Synthesis, spectroscopic and structural characterization of the reaction products of quaternary cationic 2,2'-bipyridylum ligand bromide salts with metal halides, Inorg. Chim. Acta, 360 (8), pp. 2609-2614, 2007, ISSN: 0020-1693, <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0020169307000102>, ELSEVIER SCIENCE SA, IF 2.046
59. Furdui B., R. Dinică, I. Druță, . Demeunynck, Improved Synthesis of Cationic pyridinium –Substituted Indolizines, SYNTHESIS, 16, 2640-2642, 2006, www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2006-942482, ISSN: 0039-7881 GEORG THIEME VERLAG KG, if 2.68
60. R. Dinică, F. Charmantray, M. Demeunynck, P. Dumy, “Regioselective Synthesis of Angular Nitrogen Polyheterocycles: dipyrido[3,2-a:2',3'-c]quinolino[2,3-h]phenazines”, TETRAHEDRON LETT., 2002, 43, 7883. ISSN: 0040-4039 PERGAMON-ELSEVIER SCIENCE LTD, <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0040403902019007>, if 2,379
61. R. Dinică, C. Pettinari “Synthesis of Substituted, 7,7'-bis-Indolizines via 1,3-Dipolar Cycloaddition under Microwave Irradiation”, HETEROCYCLIC COMM., 2001,07(4), 381-386 DOI: 10.1515/HC.2001.7.4.381, <http://www.degruyter.com/view/j/hc.2001.7.4/hc.2001.7.4.381.xml?format=INT>, . ISSN: 0793-0283 FREUND PUBLISHING HOUSE LTD, if 0.593
62. R. Dinica, I. Druța, C. Pettinari, “Total Synthesis of Substituted 7,7'-bis-Indolizines via 1,3-Dipolar Cycloaddition under Microwave Irradiation”, SYNLETT, 1013, 222, July, 2000, <https://www.thieme-connect.de/products/ejournals/abstract/10.1055/s-2000-6657>, ISSN: 0936-5214 GEORG THIEME VERLAG KG , if 2.419
63. Vlahovici, A, Druța, I, Andrei, M., Cotlet, Dinica, R., “Photophysics of Some Indolizines, Derivatives from Bipyridyl, in Various Media”, J.LUMINISC.,82, 155, 1999, <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0022231399000277>, ISSN: 0022-2313 ELSEVIER SCIENCE BV, if 2,719
64. Druța, I., Dinica, R.M.*, Bacu, E., Humelnicu, I., “Synthesis of 7,7'-bis-Indolizines by the Reaction of 4,4'-Bipyridinium-Ylides with Activated Alchines”, TETRAHEDRON, 10811-10818, 1998, <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S004040209800605X>, ISSN: 0040-4020 PERGAMON-ELSEVIER SCIENCE LTD, if 2.641
65. Ghinea, Ioana Otilia, Dediu, Andreea Veronica, Ungureanu, Claudia, Furdui, Bianca, Bahrim, Gabriela, Dinica Rodica Mihaela*, Measuring the cytotoxicity of bioactive N-heterocyclic compounds obtained via enzymatic catalysis, JOURNAL OF BIOTECHNOLOGY, 208, S28-+, 2015, DOI: 10.1016/j.jbiotec.2015.06.076 i f. 2,87 <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0168165615003223>

Romina

66. Horincar, Georgiana, Ghinea, Ioana Otilia, Furdui, Bianca, Dediu, Andreea Veronica, Bahrim, Gabriela, Dinica Rodica Mihaela*, Evaluation of the biologic activity of some quaternary ammonium salts against non-pathogenic and pathogenic microorganisms, JOURNAL OF BIOTECHNOLOGY, 208, S104-S104, 2015, DOI: 10.1016/j.jbiotec.2015.06.326, i f. 2,87 <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0168165615005726>
67. Georgiana Parfene, Ioana Otilia Ghinea, Bianca Furdui, Gabriela Bahrim, Martine Demeunynck, Rodica Mihaela Dinica*, Screening and Biocatalytic Activity of Microbial Cells From Fungal Strains in Cycloaddition Processes, Current Opinion in Biotechnology 24S, 2013, S48-S143, <http://dx.doi.org/10.1016/j.copbio.2013.05.152>, i f. 7,86 <http://www.sciencedirect.com.ux4ll8xu6v.useaccesscontrol.com/science/article/pii/S0958166913002693>,

C2] Articles published in journals indexed in international databases *

1. Simona Patriche, Elena Georgiana Lupu, Andreea Cârâc*, Rodica Mihaela Dinică, Geta Cârâc, The interactions between lipase and pyridinium ligands investigated by electrochemical and spectrophotometric methods, J. Electrochem. Sci. Eng. X(Y) (2016) 0-0; doi: 10.5599/jese.232,
2. Simona PATRICHE, Cristina GRIGORAS, Vasilica BARBU, Rodica Mihaela DINICĂ, Geta CÂRĂC, Antioxidative activity and stability of the extracts of liquorice root (*Glycyrrhiza glabra*), The Annals of the University Dunarea de Jos of Galati, Fascicle VI FOOD TECHNOLOGY, 39 (2), 2015
3. Simona PATRICHE, Marinela BOBOC, Victoria LEAH, Rodica-Mihaela DINICĂ, Extraction and evaluation of bioactive compounds with antioxidant potential from green arabica coffee extract, The Annals of the University Dunarea de Jos of Galati, Fascicle VI FOOD TECHNOLOGY, 39 (2), 2015
4. Orléans Ngomoa, Joseph Marie Sieliechia, Jean Bosco Tchatchuenga, Richard Kamga, Aurel Tabacaru, Rodica Dinica, Mirela Praisler, Differences between structural, textural and rheological properties of two Cameroonian mineral clays used as cosmetic mask, 425-431, Advances in Environmental Sciences, Development and Chemistry, July 17-21, , Santorini Island, Greece, ISBN: 978-1-61804-239-2, 2014, <http://www.europment.org/library/2014/santorini/bypaper/ENVIR/ENVIR-65.pdf>
5. Paul Lupoae, Victor Cristea, Gabriela Gurau, Carmen Chitescu, Rodica Dinica, Mariana Lupoae, Tomas Kovalczuc, Comparisons Between Lyophilized And Classic Dried Samples Of Curly Pondweed (*Potamogeton crispus* L.) For In Vitro Antioxidant And Antimicrobial Evaluation, Annals Of "Dunarea De Jos" University Of Galati Mathematics, Physics, Theoretical Mechanics Fascicle Ii, Year Vi (Xxxvii) 2014, Special Issue
6. Orléans Ngomo, Joseph Marie Sieliechi, Jean Bosco Tchatchueng, Richard Kamga, Aurel Tabacaru, Rodica Dinica, Mirela Praisler, Differences between Structural, Textural and Rheological Properties of two Cameroonian Mineral Clays Used as Cosmetic Mask , International Journal of Scientific Engineering and Technology, July Volume No.3 Issue No.7, pp : 876-879, 2014, <http://globalimpactfactor.com/?type=issn&s=2277-1581&submit=Submit>
7. Mariana Lupoae, Dragomir Coprean, Rodica Dinică*, Paul Lupoae, Gabriela Gurau, Gabriela Bahrim, Antimicrobial Activity Of Extracts Of Wild Garlic (*Allium ursinum*) From Romanian Spontaneous Flora, Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, 14 (4), pp. 221 – 227, 2013, <http://www.scopus.com/inward/record.url?eid=2-s2.0-84872572176&partnerID=40&md5=19f179aef7b9ff3c9863d1c8cd179fbf>,
8. Mihaela Roxana Cirimbei*, Rodica Dinică, Liliana Gitin, Camelia Vizireanu, Study on herbal actions of horseradish (*Armoracia rusticana*), Journal of Agroalimentary Processes and Technologies 19(1), 111-115, 2013, <http://journal-of-agroalimentary.ro>
9. Nicoleta-Maricica Maftei, Rodica Dinică, Gabriela Bahrim, Functional characterisation of fermented beverage based on soymilk and sea buckthorn syrup, Food Technology 36(1) 81-96, 2012, http://www.ann.ugal.ro/tpa/Anale%202012/vol%201/8_Maftei%20et%20al.pdf
10. Claudia Simona Stefan, Oana Constantin, Rodica Dinica, Meriem Anouti, Obtaining of Lysozyme Spherulitic Forms at Ambient temperature Using Pyrrolidinium Octanoat as Ionic Liquid Additive, Food Technology 36(2)73-80, 2012, http://www.ann.ugal.ro/tpa/Anale%202012/vol2/8_Stefan.pdf
11. Manuela Gianina Băcanu., Lucian Oprea, Georgiana Călin Sandu, Rodica Dinică, Marilena Măreanu, Dumitru Măreanu, Constanța Șerban, Aspects Regarding The Profile Of Intestinal Microbiota On Wild Populations Of Sterlet (*Acipenser ruthenus*, Linnaeus, 1758), The Annals of the University Dunarea de Jos of Galati Fascicle VI – Food Technology 36(2) 58-63, 2012, http://www.ann.ugal.ro/tpa/Anale%202012/vol2/6_MBacanu.pdf
12. Daniela ISTRATI, Ana-Maria SIMION CIUCIU, Aurelia IONESCU, Camelia VIZIREANU, Rodica DINICĂ, Influence of spice and wine based marinades on bovine Biceps femoris muscle tenderness, AFRICAN JOURNAL OF BIOTECHNOLOGY Vol. 11(79), pp. 14461-14467, 2 October, 2012, DOI: 10.5897/AJB12.818, <http://www.academicjournals.org/journal/AJB/article-abstract/21E3BC026256>,
13. Burluc, R.M., Vizireanu, C., Dinica, R., Dima, F., The use of pseudo-cereals flours in bakery [Utilisation de farines des pseudo-cereales dans la boulangerie], Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, 13 (2), pp. 177-186., (2012) <http://www.scopus.com/inward/record.url?eid=2-s2.0-84872572176&partnerID=40&md5=19f179aef7b9ff3c9863d1c8cd179fbf>
14. Istrati, D., Vizireanu, C., Dima, F., Dinica R., Effect of marination with proteolytic enzymes on quality of beef muscle, (2012) Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, 13 (1), pp. 81-89. , 2012,

R. Dinica

- <http://www.scopus.com/inward/record.url?eid=2-s2.0-84864780416&partnerID=40&md5=4163bf11c30b90e6f1a4b9deede5c17>
15. Daniela Istrati, Camelia Vizireanu, **Rodica Dinică**, Influence of post - mortem treatment with proteolytic enzymes on tenderness of beef muscle, *Journal of Agroalimentary Process and Technologies* 2012, 18(1), 70 – 75, Timisoara, ISSN: 2069-0053 (print) (former: ISSN:1453-1399), Agroprint; ISSN (online):2068 – 9551, 2011, http://journal-of-agroalimentary.ro/Journal-of-Agroalimentary-Processes-and-Technologies-Issue_570.html
 16. Bianca Furdui, Oana Constantin, **Rodica Dinică**, Gabriela Bahrim, Studies on antimicrobial activities of some new bipyridinium derivatives, *The Annals of the University Dunarea de Jos of Galati, Fascicle VI – Food Technology* 35(2), 66-74, 2011, <http://www.ann.ugal.ro/tpa/Annals%202011/vol%2027%20Furdui%20et%20al.pdf>
 17. Stoica, M., **Dinica, R.**, Gitin, L., Grozavu, C., Carac, G. , Electrochemical behavior of stainless steel in Oxonia-Active with *Geothricum candidum* , *Innovative Romanian Food Biotechnology*, No9, Pages 29-34, 2011, <http://www.bioaliment.ugal.ro/revista9/paper%2093.pdf>
 18. Camelia Vizireanu ; Rodica Dinica ; Felicia Dima ; Daniela Istrati Recherches Sur Le Developpement Des Cocktails Avec Un Potentiel Antioxydant Eleve, *Scientific Study & Research. Chemistry & Chemical Engineering, Biotechnology, Food Industry*,vol.11, nr.4, pag. 469-478, 2011, ISSN 1582540X, **Volume: 11 - Issue: 4 - Directory of open access journals**
 19. Istrati, D., Constantin, O., Ionescu, A., Vizireanu, C., Dima, F., **Dinică, R.**, Study of combined effect of spices and marination on beef meat vacuum packaged, *Annals of the University Dunarea de Jos of Galati, Fascicle VI – Food Technology*, no. 2., ISSN 1843-5157, 2011, http://www.ann.ugal.ro/tpa/ft_2011_no_2.htm.
 20. Mariana Lupoae, Bianca Furdui, **Rodica Dinică**, Dragomir Coprean, Quantification of carotenoids and chlorophyll leaf pigments from autochthones dietary, *Food and Environment Safety - Journal of Faculty of Food Engineering, Ștefan cel Mare University – Suceava*, Year IX, No. 4 – 2010, **Food and Environment Safety - IndexCopernicus™ - Journals Master List**
 21. Bianca Furdui, Rodica-Mihaela Dinică, Mariana Lupoae, Romică Crețu, Effect of some natural herbs incorporation in sunflower oils on its resistance at frying temperatures, *Food and Environment Safety - Journal of Faculty of Food Engineering, Ștefan cel Mare University – Suceava*, Year IX, No. 4 – 2010, **Food and Environment Safety - IndexCopernicus™ - Journals Master List**
 22. **R. Dinică** ,Mariana Lupoae, Bianca Furdui, Dragomir Coprean, Quantitative determination of polyphenol compounds from raw extracts of allium, alliara and urtica genus. A comparative study, *Food and Environment Safety - Journal of Faculty of Food Engineering, Ștefan cel Mare University – Suceava*, Year IX, No. 4 – 2010, **Food and Environment Safety - IndexCopernicus™ - Journals Master List**
 23. Aurora Bunea, **Rodica Dinică**, Bianca Furdui, Mariana Lupoae, Studies on plant biomass in various stages of degradation, *Food and Environment Safety – Journal of Faculty of Food Engineering, Ștefan cel Mare University – Suceava*, Year IX, No. 4 – 2010, **Food and Environment Safety - IndexCopernicus™ - Journals Master List**
 24. Georgiana PARFENE, Stefan DIMA, Vicentiu HORINCAR, **Rodica DINICA**, Gabriela BAHIRM Approaches for the Development of New Food Biopreservatives Obtained by Self-Microemulsifying Formulation of Raw Coconut Fat and Lipase, *Bulletin UASVM Agriculture*, 67(2)/2010, 360, Print ISSN 1843-5246; Electronic ISSN 1843-5386, <http://journals.usamvcluj.ro/index.php/agriculture/article/view/5149>,
 25. **Rodica Dinica**, Bianca Furdui, Geta Cârâc And Constantin Stanciu, Fluorescent N-Heterocycles Via One-Pot Tandem Reactions, *Chemistry journal of Moldova*, vol.4, 2, 82-85, 2009, http://scholar.google.com/citations?hl=en&user=Gh1MUREAAAAJ&view_op=list_works&cstart=40
 26. S Gosav, **R Dinica**, The Gc/Ms Spectra In The Identification Of Illicit Amphet Amine, 7th General Conference Of The Balkan Physical Union, Alexandroupolis 9-13 September 2009, Book of Abstract. http://scholar.google.com/citations?hl=en&user=Gh1MUREAAAAJ&view_op=list_works&cstart=40
 27. **Dinică, R.**, Furdui, B., G.Carac, C.Stanciu,, *Fluorescent N-Heterocycles Via One Pot Tandem Reactions* 5-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA), Bacău, 22-26 June 2008,, , ISBN:973-8392-36-5, **indexare: CAN 143:266794, AN 2004:1043739, CAPLUS**
 28. Furdui, B., G. Bahrim, **R. Dinică**, I. Druță, M. Demeunynck „In vitro antimicrobial activity of new nitrogen heterocycles from 4,4'-bipyridine”, – *Roum. Biotech. Lett.*, 12 (1), 3073-3078, 2007; http://www.rombio.eu/lucr_5_furdui%20bt.htm
 29. Caplanus, I.; Leontie, L.; Druta, I.; Bicu, Elena **R. Dinică**, Rusu I., Rusu G. "On the Electrical and Thermoelctrical Properties of Some 4,4'-Bipyridinium Quaternary Salts", *Romanian Biotechn Lett.*, 1999, 4(6), 489-496 CODEN: RBLEFU ISSN: 1224-5984. Journal written in English. **CAN 132:316547 AN 2000:194750 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))**
 30. Druta I., **R. Dinica**, E. Bacu, M. Andrei, "The Biologic Activity Of New Diquaternary Salts Of Ammonium Derivatives from 4,4'-Bipyridine.", *Anal. St Univ. "Al.I.Cuza", Iassy, Tom VI, s. Chimie*, 19, 1998. CODEN: ASUCFZ ISSN: 1221-5341. Journal written in English. **CAN 132:205326 AN 2000:28753 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))Georgescu,M.**
 31. **Dinică R.**, Furdui B., Koprivekc D., „Determination de la concentration de tocopherols dans certaines cereales autochtones", 3-ème Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA),Bacău, 22-26 septembre 2004 **CAN 143:192777 AN 2004:1043825 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))**
 32. **Dinică R.**, B.Furdui, M. Demeunynck, L. Bouffier, Precurseurs de nouveaux heterocycles a intérêt biologique , 3-ème Colloque Franco-Roumain de Chimie Appliquée (COFrRoCA),Bacău, 22-26 septembre 2004 **CAN 143:266794 AN 2004:1043739 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))**

Rom

[D] ARTICLES PUBLISHED IN VOLUMES OF INTERNATIONAL RECOGNIZED SCIENTIFIC EVENTS IN THE COUNTRY AND ABROAD

1. P.Nechita, E.Bobu, G.Parfene, **R.M.Dinică**, Antimicrobial Coating Formulas Based On Chitosan Derivatives And Quaternary Ammonium Salts For Packaging Paper Applications, PTS Symposium Innovative Packaging, 20-21 may 2014, Munhen, Germania
2. Andreea Cârâc, Rica Bosceanu, **Rodica Dinică**, Synthesis of La(III) and Nd(III) Complexes with N-heterocyclic Ligands, Congresul C NFR 2014, Iasi, 24-27 septembrie, Viziune și inovație în practica farmaceutică Orizont 2020
3. Ioana Otilia Ghinea, Simon Bonte, **Rodica Mihaela Dinica***, Bianca Furdui, Lidia Favier, and Martine Demeunynck, Antioxidant Potential of a New Family of Pyridinium Compounds, 3rd French-Romanian Colloquium on Medicinal Chemistry, 30-31 oct. 2014, Iasi, ROMANIA.
4. Andreea Cârâc, **Rodica Mihaela Dinică**, Geta Cârâc, Rica Boscencu, Spectral Study of New Ln - Heterocyclic Combinations, Colloque 3th Franco Roumain de Chimie Medicinale, Iasi, 30-31 octombrie 2014, P8, pAbstract pag.47
5. Parfene G., Ghinea I. O., **Dinica R. M.***, Furdui B., Bahrim G., The Selection Of Lipase Producing Yeasts As Whole Cell Application For C-C Bond Formation In A "One-Pot" Synthesis, INTERNATIONAL CONFERENCE OF APPLIED SCIENCES, Eighth edition - MAY 7th - 9th 2014, BACAU, ROMANIA
6. Alina G. Profir, Oana Constantin, **Camelia Vizireanu**, Effect of honey and lyophilized vegetables pulp on the survival rate of *Lactobacillus acidophilus*, *Lactobacillus casei* and *Saccharomyces boulardii* in simulated gastrointestinal conditions, Conferința Scolilor Doctorale din Universitatea Dunărea de Jos, Galați, 16-17 mai 2014
7. Carmen Bolea, Rodica Dinică, Camelia Vizireanu, Physico-chemical characteristics and antioxidant activity of black rice, Conferința Scolilor Doctorale din Universitatea Dunărea de Jos, Galați, 16-17 mai 2014
8. Liliana Mihalcea (Gițin), Maricica Stoica, Andreea Vasile, Iulia Bleoanca, **Rodica Dinica***, Assessment Of Antioxidant Activity For Levisticum Officinale Extracts By Supercritical Fluids Extraction, INTERNATIONAL CONFERENCE OF APPLIED SCIENCES, Eighth edition - MAY 7th - 9th 2014, BACAU, ROMANIA
9. Ioana Otilia GHINEA, Bianca FURDUI, Georgiana PARFENE, Gabriela BAHRIM, **Rodica Mihaela DINICA***, 1,3-DIPOLAR CYCLOADDITIONS CATALYZED BY HORSE RADISH ENZYMES, IUPAC Congres, 11-16 August 2013, Istanbul, Turkey, <http://www.iupac2013.org>
10. Bianca Furdui, Ioana Otilia Ghinea, Steluta Gosav, **Rodica Mihaela Dinica***, Synthesis And Photophysics Of Some New Indolizines Fluorophores, IUPAC Congres, 11-16 August 2013, Istanbul, Turkey, <http://www.iupac2013.org>
11. Ioana Otilia Ghinea, Georgiana Parfene, **Rodica-Mihaela Dinica***, Bianca Furdui, Gabriela Bahrim, Simon Bonte, Martine Demeunynck, Combined Action of Enzymes and Ultrasounds: the First "One-Pot" Cycloaddition Reaction for Indolizine Synthesis, 2nd International Symposium on Green Chemistry: Renewable Carbon and Eco-efficient Processes (ISGC2), May 21-24th, 2013, La Rochelle, France, www.isgc2013.com
12. Georgiana PARFENE, Ioana Otilia GHINEA, Bianca FURDUI, Gabriela BAHRIM, **Rodica Mihaela DINICA***, Screening and Biocatalytic Activity of Microbial Cells From Fungal Strains in Cycloaddition Processes, European Biotechnological Congres, 16-18 May, 2013, Bratislava, Slovakia, <http://www.eurobiotech2013.eu>
13. P.Nechita, **R.M.Dinică***, A.M. Axinte, C. Stanciu, Applications of n-heterocyclic compounds on functionalising of fibre based materials, INTERNATIONAL CONFERENCE OF APPLIED SCIENCES CHEMISTRY AND CHEMICAL ENGINEERING - Seventh Edition, MAY 15th - 18th 2013, BACĂU, ROMÂNIA
14. S. Gosav, R. M. Dinica, B. Furdui, Molecular structure - antimicrobial activity for a new class of quaternary pyridinium salts, XIIth International Conference on Molecular Spectroscopy - From Molecules to Nano- and Biomaterials, 8 - 12 September 2013, Wroclaw, Poland, <http://www.icms.agh.edu.pl/>
15. G. Parfene, I.O. Ghinea, R.Dinica, B. Furdui, G. Bahrim, S. Bonte and M.Demeunynck, Using Small Molecules To Target Spoilage Microorganisms From Food Industry, Euroaliment, Galati, 3-5 Octombrie 2013, http://www.euroaliment.ugal.ro/euro-aliment_2013.htm
16. Rodica Dinica, Bianca Furdui, Geta Cârâc, Electrochemical Behavior in aprotic medium of pyridinium salt, Third Regional Symposium on Electrochemistry South-East Europe, București, 13-17 mai 2012,
17. R. Dinica, B. Furdui, G. Parfene, G. Bahrim, A one-pot synthesis of substituted bis-indolizines using microbial cells, Challenges in Bioorganic & Organic Medicinal Chemistry: 13th Tetrahedron Symposium, 26-29 June, 2012, Amsterdam, The Netherlands, http://www.nature.com/natureevents/science/events/1257413th_Tetrahedron_Symposium_Challenges_in_Bioorganic_Organic_Medicinal_Chemistry
18. Ioana Otilia Ghinea, Gabriela Bahrim, Rodica Dinica, Martine Demeunynck, "green" preparation of Fluorescent dyes using cell extracts for enzymatic catalysis Rencontres en Chimie Organique Biologique, Recob14, 2012, CENTRE PAUL LANGEVIN, AUSOIS (SAVOIE), 18 - 22 Mars 2012, <http://www.recob-tlse.org/>

Romin

19. Julien Debray, Simon Bonte, Rodica Dinica, Martine Demeunynck, Vers une synthèse plus verte de quinazolin-4-ones biologiquement actives, Septième Colloque Franco-Roumain de Chimie Appliquée - COFrRoCA – 2012, 27 – 29 Juin 2012, Bacău, Roumanie, <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>
20. Georgiana PARFENE, Bianca FURDUI, Mariana LUPOAIE, Rodica Mihaela DINICĂ, Cellules vegetales utilisées comme biocatalyseurs dans les réactions, Actes du septième colloque franco-romain de chimie appliquée, juin 2012, <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>
21. Ionuț Tăbăcaru, Gabriela Gurău, Bianca Furdui, Rodica Mihaela Dinică, Etudes sur l'activité antimicrobienne des nouveaux sels diquatéraux de bis-pyridinium, Septième Colloque Franco-Roumain de Chimie Appliquée - COFrRoCA – 2012, 27 – 29 Juin 2012, Bacău, Roumanie <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>
22. Rodica Dinica, Bianca Furdui, Oana Ghinea, Une synthèse facile et efficace "one pot" des dérivés indoliziques en milieu de réaction écologique, Septième Colloque Franco-Roumain de Chimie Appliquée - COFrRoCA – 2012, 27 – 29 Juin 2012, Bacău, Roumanie, <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>
23. Andreea Cârâc, R. Dinica, G. Cârâc, 19-24 August 2012, 63rd, Annual Meeting of the International Society of Electrochemistry, Praga, Cehia, 19-24 August 2012, 63rd, Annual Meeting of the International Society of Electrochemistry, Praga, Cehia, <http://event12.ise-online.org/index.php>
24. I.O.Ghinea, R.Dinica, G.Bahrim, G.Carac, Electro-oxidation of New Pyridine Ring Heterocycles on Platinum Electrode in Aqueous Medium, 19-24 August 2012, 63rd, Annual Meeting of the International Society of Electrochemistry, Praga, Cehia, <http://event12.ise-online.org/index.php>
25. G. Cârâc, R. Dinica, C. Stanciu, I. Zapodeanu, Electrochemical study of a novel series of heterocyclic compounds of pyridine, South-East Europe Sava Center, Belgrade, Serbia, RSE-SEE, June 6 to 10, 2010, poster OEH P-07.
26. Camelia Vizireanu ; Rodica Dinica ; Felicia Dima ; Daniela Istrati Recherches Sur Le Developpement Des Cocktails Avec Un Potentiel Antioxydant Eleve, Sixième Colloque, Franco Roumaine de Chimie Aplique, COFrRoCA 2010, Orleans, France, 7-10 juillet 2010, www.univ-orleans.fr/cofroca2010
27. Rodica Dinica, Bianca Furdui, Geta Carac, Ion Zapodeanu, A. Birladeanu, Synthèse De Nouvelles Sels Quaternaires De Pyridine Et Leur Etudes Electrochimiques, Sixième Colloque, Franco Roumaine de Chimie Aplique, COFrRoCA 2010, Orleans, France, 7-10 juillet 2010, www.univ-orleans.fr/cofroca2010
28. Rodica Dinica, Bianca Furdui, Constantin Stanciu, Geta Carac, Propriétés Electrochimiques D'une Serie D'accepteurs D'électrons Base Sur N-Heterocycles, Sixième Colloque, Franco Roumaine de Chimie Aplique, COFrRoCA 2010, Orleans, France, 7-10 juillet 2010, www.univ-orleans.fr/cofroca2010
29. B. Furdui, R. Dinică, M. Demeunynck, I. Druță, P. Dumy – „Nouveaux fluorophores indolisiques d'intérêts biologiques”, *Symposium Sigma-Aldrich Jeunes Chimistes SAJEC 2005*, Villeneuve d'Ascq – Lille, 17-19 Octobre, 2005
30. Furdui, B., R. Dinică, Demeunynck M, Druța I., Dumy P, Nouveaux fluorophores indolisiques d'intérêts biologiques, Journée de printemps, Société Française de Chimie, section Rhone-Alpes, Université de SAVOIE, Campus du Bourget du Lac, 16 JUIN 2005
31. B. Furdui, R. Dinica, M. Georgescu, "New Nitrogen Heterocyclic Compounds with Biological Interest", – *Symposium Sigma Aldrich Jeunes Chimistes SAJEC 2002, Strasbourg – Obernai*, 21-23 octobre, 2002, résumat publicat în vol. Conferinței;
32. B. Furdui, R. Dinică, M. Georgescu, "Byridinium Ylides as Precursors of New Heterocycles of Biological Interest", , *XXth European Colloquium on Heterocyclic Chemistry, August, 2002, Stockholm, Suedia*, résumat publicat în vol. de rezumate, pag. 44;
33. R. Dinică, F. Charmantray, I. Petre, M. Demeunynck, P. Dumy, "New Acridine Derivatives: Synthesis of Dipyrido-Quinolino-Phenazine Heptacycles", *From Chemistry to Biology, al 7-lea Simpozion al Institutului de Chimia Substanțelor Naturale, I.C.S.N.*, résumat prezentat în raportul conferinței, p. nr 53, Paris, 30-31 mai, 2002
34. M. Georgescu, R. Dinica, B. Furdui, "New Researches on B₁₂ Vitamin from Black Sea Mud", – *1st Black Sea Basin Conference on Analytical Chemistry*, 10-15 septembre, Odessa, 2001;
35. R. Dinica, B Furdui, M. Georgescu, "Microwave Assisted bis-indolizine preparation by 1,3-dipolar cycloaddition", , *XIXth European Colloquium on Heterocyclic Chemistry, July, 2000, Aveiro, Portugal*, p. 87, ISBN 972-789-013-X
36. Dinica, R., Druța, I., Dan, V., Georgescu, M. "Study Of Effect Of Quaternary Salts Of Cycloimonium On Microbian Cells", *37th IUPAC Congress, Frontiers in Chemistry: Molecular Basis of the Life Sciences, vol.2, p.73, Berlin, 14-19 august 1999*, pag. 74; www.gdch.de, 1995.

17.07.2021

Romina

