



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
1991-2021	
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 Research

Education and training

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

- **2016** Habilitation thesis in Chemistry
- **1999** PhD thesis in organic chemistry, Al.I.Cuza University of Iasi
- **1991** Licentiate in chemistry, Al.I.Cuza University of Iasi
- **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,

Personal skills and competences

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

Other language(s)

Self-assessment

European level (*)

Language

Language

Language

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

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

Other skills and competences

Good experience in research team management : professors, doctoral students and students.
Multicultural environment: over 2 years in the period 1997 to 2019 at the University Joseph Fourier Grenoble, France and 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 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 internationalnational 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 lif e 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

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	<p>-- 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)</p>
Membership:	<p>-member of Research Platform "Biotechnology Applied In Food Industry - Integrated Center For Research And Education – Bioalimint", CNCSIS 62</p> <p>- member of "European Centre of Excellence for the Environment" of „Dunărea de Jos” University of Galati, RO/97/04</p> <p>Member of scientific societies: Romanian Society of Chemistry, Member of Scientific Comitee conferences:</p> <p>LE NEUVIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE, 29 Juin - 02 Juillet 2016 , CLERMONT-FERRAND, France, CoFrRoCa 2016</p> <p>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</p> <p>Head of the Chemistry, Physics and Environmental Department Deputy Head of of the Chemistry, Physics and Environmental Department Member of academic council</p> <p>AUF UDJG Institutional coordinator of the doctoral and postdoctoral scholarship program, Eugen Ionescu</p>
2015-present	<p>Silver medal Inventica 2021, BĂUTURĂ NEALCOOLICĂ PROBIOTICĂ FERMENTATĂ DIN SORG GERMINAT ȘI PROCEDURELE DE OBTINERE A ACESTEIA, Istrati D., Vizireanu C., Furdui B., Constatntin O., Buruiana T., Misu C., Bga G., Dinica R.</p> <p>Bronze medal at UGALINVENT salon 2015 Galati, for COSMETICS WITH THERAPEUTIC MUD FROM LACUL SARAT, Liana Teodora Dinică, Ioana Otilia Ghinea, Rodica M. Dinică</p>
Prizes:	<p>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</p> <p>AGIR Award 2009 for "Contributions to the fight against counterfeiting and falsification"</p> <p>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.</p>

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) 15

h index (GS) 17

h index (Scopus) 15

citations 687

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

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. Furdui B., **Dinică R.**, Georgescu M., 2011, *Chimie organică*, Notiuni teoretice și practice, Ed. GUP, Galați, 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, Galați, 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 și probleme*, ed. Academica, ISBN: (10) 973-8937-14-0, (13) 978-973-8937-14-7, 218 pag
7. Georgescu M., **Dinică R.**, Furdui 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. Tamfu, AN, Roland, N, Mfifen, AM, Kucukaydin, S, Gaye, M, Botezatu, AV, Duru, ME, **Dinica, RM**, Phenolic composition, antioxidant and enzyme inhibitory activities of *Parkia biglobosa* (Jacq.) Benth., *Tithonia diversifolia* (Hemsl) A. Gray, and *Crossopteryx febrifuga* (Afzel.) Benth, ARABIAN JOURNAL OF CHEMISTRY, **2022**, Volume 15, Issue 4, DOI 10.1016/j.arabjc.2021.10367
2. El Moujahed, Sara, Errachidi, Faouzi, Abou Oualid, Hicham, Botezatu-Dediu, Andreea-Veronica, Ouazzani Chahd Fouad, Kandri Rodi, Youssef, **Dinica, Rodica Mihaela**, Extraction of insoluble fibrous collagen for characterization and crosslinking with phenolic compounds from pomegranate byproducts for leather tanning applications, RSC ADVANCES, 2046-2069, JAN 28, **2022**, doi:10.1039/d1ra08059h
3. 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>.
4. **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>
5. 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 3,9
6. Romeo Toko Feunaing, Alfred Ngenge Tamfu, Fidele Ntchapda, Isaac Silvere Gade, Martin Noah Mbane, Maurice Fotsing Tagatsing, Emmanuel Talla, Celine Henoumont, Sophie Laurent, **Rodica Mihaela Dinica**, **2021**, A new abietane-type diterpenoid from roots of *Burkea africana* Hook (Fabaceae) with α -amylase inhibitory potential, *Natural Product Research*, **2021**, DOI: 10.1080/14786419.2021.1976176

7. Tamfu, A.N.; Kucukaydin, S.; Yeskaliyeva, B.; Ozturk, M.; **Dinica, R.M.** Non-Alkaloid Cholinesterase Inhibitory Compounds from Natural Sources. *Molecules* **2021**, *26*, 5582. <https://doi.org/10.3390/molecules26185582>, FI 4,4
8. Samomssa, I., Nono, Y.J., Cârâc, G. Gurău Gh, **Dinică R.M.** & Kamga R., Optimization of fuel briquette production from cassava peels, plantain peels and corn cobs. *J Mater Cycles Waste Manag* **2021**, *23*, 1905–1917, <https://doi.org/10.1007/s10163-021-01260-1>, FI 2,9
9. Feunaing RT, Tamfu AN, Ntchapda F, Gade IS, Mbane MN, Tagatsing MF, Talla E, Henoumont C, Laurent S, **Dinica RM.**, A new abietane-type diterpenoid from roots of *Burkea africana* Hook (Fabaceae) with α -amylase inhibitory potential. *Nat Prod Res.* **2021** Sep 20:1-8. doi: 10.1080/14786419.2021.1976176. 2,9
10. 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>, FI 5,34
11. Ghinea, I.O.; Ionica Mihaila, M.D.; Blaga, G.-V.; Avramescu, S.M.; Cudalbeanu, M.; Isticioaia, S.-F.; **Dinica, R.M.***; Furdui, B. HPLC-DAD Polyphenolic Profiling and Antioxidant Activities of *Sorghum bicolor* during Germination. *Agronomy* **2021**, *11*, 417. <https://doi.org/10.3390/agronomy11030417>, FI 3,6
12. 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 aethiopica*) and African Nutmeg (*Monodora myristica*)" *Foods* **9**, no. 12: 1768. <https://doi.org/10.3390/foods9121768>, FI 4,9
13. Busuioc, A.C.; Botezatu, A.-V.D.; Furdui, 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.
14. Balanescu, F.; Mihaila, M.D.I.; Cârâc, G.; Furdui, B.; Vînătoru, 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.
15. Buruiană, C.-T.; Georgescu, L.; Isticioaia, S.-F.; Constantin, O.E.; Vizireanu, C.; **Dinică, R.M.***; Furdui, B. Insights on Monosaccharides and Bioethanol Production from Sweet Sorghum Stalks Using Dilute Acid Pretreatment. *Processes* **2020**, *8*, 1486., FI 2,8
16. Botezatu (Dediu), A.V.; Horincar, G.; Ghinea, I.O.; Furdui, 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.FI, 4,3
17. Chokki, M.; Cudălbeanu, M.; Zongo, C.; Dah-Nouvlessounon, D.; Ghinea, I.O.; Furdui, B.; Raclea, R.; Savadogo, A.; Baba-Moussa, L.; Avamescu, 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.
18. Cudalbeanu, M., Furdui, 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*, **9**(1),7, **2020**, DOI: 10.3390/antibiotics9010007
19. 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 dypiridinium ylide, *Inorganica Chimica Acta*, June **2020**
20. 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, FI 2,2
21. 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
22. 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**
23. 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**
24. Patriche, S; Ghinea, IO ; Adam, G ; Gurau, G ; Furdui, B ; **Dinica, RM***;Laura-Florentina Rebegea Lupoae, M, Characterization of Bioactive Compounds from Romanian *Cetraria islandica* (L) Ach., *Revista de chimie*, **69**, No. 10, **2019**, **70**, 6, 2186-2191, JUN **2019**
25. 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**,
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