

Lista de lucrări

Prof. univ. dr. habil. Rodica Mihaela Dinică

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

B. CĂRȚI, CAPITOLE CĂRȚI

[B1] Autor

1. Bianca Furdui, Andreea V. Dediu (Botezatu), **Rodica M. Dinică***, Copper Catalysis in Organic Synthesis, editat de Gopinathan Anilkumar, Salim Saranya; Capitolul 2, Cu-Catalyst in Reactions Involving Pyridinium and Indolizinium Moieties; pg7-22; John Wiley & Sons, 2021; ISBN 3527347372, 9783527347377;
2. 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
3. Ioana Otilia Ghinea, **Rodica Mihaela Dinică***, Rolul alimentelor functionale în prevenirea bolilor cardiovasculare, în Rolul nutriției în prevenirea bolilor cardiovasculare, Editura Medicala Universitara Iuliu Hateganu, Cluj-Napoca, **2018**
4. 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/>.
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[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 Biocides 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
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C. ARTICOLE PUBLICATE ÎN REVISTE DE SPECIALITATE (COTATE ISI SAU RECUNOSCUTE CNCSIS)

[C1] Articles published in listed journals ISI

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2. Haouam, C.; Boudiba, S.; Tamfu, A.N.; Kucukaydin, S.; Hanini, K.; Zohra, H.F.; Hioun, S.; Botezatu, A.D.; Ceylan, Ö.; Boudiba, L.; et al. Assessment of Chemical Composition and In Vitro Antioxidant, Antidiabetic, Anticholinesterase and Microbial Virulence-Quenching Effects of Salad Burnet (*Sanguisorba minor* L.) Harvested from Algeria. *Plants* **2023**, *12*, 4134. <https://doi.org/10.3390/plants12244134>, I.f.4,8
3. Andreea Veronica Dediu Botezatu, Roxana-Mihaela Apetrei, Iuliana Florina Costea (Nour), Vasilica Barbu, Leontina Grigore-Gurgu, Florina Botez, Rodica Mihaela Dinica, Bianca Furdui, Geta Cârâc, Synthesis and characterization of novel chitosan derivatives (containing dipyrindinium quaternary salts) with antimicrobial potential, *Carbohydrate Research*, Volume 534, 2023, 108964, ISSN 0008-6215, <https://doi.org/10.1016/j.carres.2023.108964>, I.f.3,1
4. Alfred Ngenge Tamfu, Yasemin Ispirli Dogaç, Ozgur Ceylan, Andreea Botezatu Dediu, Selahattin Bozkurt, Rodica Mihaela Dinica, "Antibiofilm and Anti-Quorum Sensing Potential of Safely-Synthesized Hydrated Zirconium Oxide-Coated Alginate Beads against Some Pathogenic Bacteria", *Journal of Chemistry*, vol. 2023, Article ID 9924845, 14 pages, 2023. <https://doi.org/10.1155/2023/9924845>, I.f.3,6
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7. Boudiba S, Tamfu AN, Hanini K, et al. Synthesis of a new diarylhydrazone derivative and an evaluation of its in vitro biofilm inhibition and quorum sensing disruption along with a molecular docking study. *Journal of Chemical Research*. 2023;47(4). doi:10.1177/17475198231184603, I.f.1,4
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- and Momordica charantia L. Leaves Extracts from Benin. *Plants* 2023, 12, 1228. <https://doi.org/10.3390/plants12061228>, **I.f.4,8**
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 12. 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. 8,7**
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 14. Eliasse Zongo; Anna Busuioc; Roland Năg-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, **If 4,9**,
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 18. Koudoro Yaya Alain, Alfred NgengeTamfu, Selcuk Kucukaydince Ozgur Ceylan, Agbangnan Dossa Cokou 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**
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 20. 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**
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43. 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**, **FI 3.118**
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Lista proiecte: Director de proiect

Proiecte internaționale

PI1. ERASMUS , KA220-HED, COOPERATION PARTNERSHIP, 2022-1-TR01-KA220-HED-000089361, Green Chemistry Applications on Selected Medicinal and Aromatic Plants in the Artvin Region,2022-2024

PI2. 2011-2113 Bilateral colaboration, CoBil Ro-Fr nr. 485/17.03.2011, Programme „Hubert Curien- Brancusi” „Mise au point de biocatalyseurs originaux pour les réactions de "click-chemistry" : accès de nouvelles molécules bioactives, colaborare bilaterală de cercetare Romania –Franța (Universitatea «Joseph Fourier», Grenoble), **ANCS-UEFISCDI**

PI3. 2002-2004: Brancuși RO/24, Synthèse des luminophores avec une utilisation potentielle dans la médecine et l'évaluation de leurs propriétés spectrophysiques et biologiques, colaborare bilaterală de cercetare Romania –Franța (Universitatea «Joseph Fourier», Grenoble), **ANCS**

PI4. 2012-2013 coordonator partener **Erasmus Mundus**, IP code 09_MB_IP_00146,EUCHEME: European Chemists for Energy, Materials and Environment, 012-1-IT2-ERA10-38852- Summer School –Coordonator Universita degli Studi di Camerino, Italia, Parteneri: P LISBOA04 - E GRANADA01 - E SEVILLA01 - F TOULOUSE28 – G IOANNIN01 - UK ABERDEE01 - RO GALATI01 - PL WROCLAW01-scoala intensiva de vara –Organizator Universita degli Studi di Camerino, Italia

PI5. 2009-2010 coordonator partener **Erasmus Mundus**, IP code 09_MB_IP_00146,ACAOC: Advanced Catalysis and Organometallic Chemistry –Coordonator Universita degli Studi di Camerino, Italia, Parteneri: P LISBOA04 - E GRANADA01 - E SEVILLA01 - F TOULOUSE28 - GIOANNIN01 - UK ABERDEE01 - RO GALATI01 - PL WROCLAW01-scoala intensiva de vara –Organizator Universita degli Studi di Camerino, Italia

PI6. 2001-2002 Bursă de cercetare post-doctorală la LEDSS (Laboratoire d'Etudes Dynamiques et Structurales de la Selectivite), Universitatea "Joseph Fourier", Grenoble, Franța, bursă obținută prin concurs

PI7. Iunie 2011-august 2011 Bursa de cercetare AUF, Department of Molecular Pharmacochemistry, Universitatea "Joseph Fourier Grenoble, Franța, bursă obținută în urma unui concurs de proiecte

Proiecte naționale

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

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

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

Lista proiecte: membru

Proiecte internaționale

PI1. Proiect bilateral România-Franța, MolHybAI, Concepția, sinteza și evaluarea biologică a unor molecule hibride pentru tratamentul multitiintit al maladiei alzheimer, între Universitatea Dunărea de Jos din Galați și Departamentul de Farmacochimie Moleculară al Universității Grenoble Alpes, Grenoble, Franța

PI.2 CRÉATION D'UN RÉSEAU RÉGIONAL FRANCOPHONE SUR LA SANTÉ, LA NUTRITION ET LA SÉCURITÉ ALIMENTAIRE (SAIN) / CREAREA UNEI REȚELE FRANCOFONE REGIONALE REFERITOR LA NUTRIȚIE ȘI SIGURANȚA ALIMENTARĂ, 2017- 2019, conform Convenției- cadru încheiată cu Agence universitaire de la Francophonie - Europe centrale et orientale (AUF), înregistrată la UDJ Galați cu numărul 21899/ 06.09.2017

PI3. Cost, ACTINPACK, Active and intelligent (fibre-based) packaging, 2015-2019, <http://www.actinpak.eu/members/>

PI4.Contract de finanțare UEFISCDI cu nr. 618/2013,Utilizarea unor tulpini fungice selecționate pentru obținerea de compuși antimicrobieni cu impact în siguranța alimentară” Proiect de cooperare bilaterală Romania China, Coordonator, prof.dr. Gabriela Bahrim

PI5.Contract de finanțare UEFISCDI cu nr. 706/2013, Dezvoltarea și implementarea unor procedee eficiente de bioremediere a compușilor farmaceutici” Proiect de cooperare bilaterală Romania Franta, Coordonator, prof.dr. Gabriela Bahrim

PI6. PC7/Nr.263042/2011, FP7-MNP 2010 SMALL-4 – „POINTS”: Printable Organic-Inorganic Transparent Semiconductor Devices, Coordonator partener prof.dr. Viorica Mușat

Proiecte naționale

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

PN2. Sistem complex de valorificare integrală a unor specii agricole cu potențial energetic și alimentar (VALINTEGR), Proiecte complexe realizate în consorții CDI (PCCDI) - PN-III-P1-1.2-PCCDI- 2017-0566

PN3. membru în echipa, proiect nr. 1815, CENTRUL ROMÂN PENTRU MODELAREA SISTEMELOR RECIRCULANTE DE ACVACULTURĂ, Axa 2 POSCE, operațiunea O2.2.1 - Dezvoltarea infrastructurii C-D existente și crearea de noi infrastructuri C-D, 2014-2015

PN4. Contract de Cercetare încheiat cu CNMP Nr.71 -126/62D7/18.09.2007 (2007-2010), FILFLOSEC, partener Universitatea „Dunărea de Jos” din Galați, cercetator specialist, Director prof. Dr. Stanciu , valoare totala 400 000 lei, responsabil prof.dr. C. Stanciu

PN5. POSDRU/89/1.S/52432-Tutore de cercetare ETL tip A , in proiectul cu titlul “ORGANIZAREA ȘCOLII POSTDOCTORALE DE INTERES NAȚIONAL "BIOTEHNOLOGII APLICATE" CU IMPACT ÎN BIOECONOMIA ROMÂNEASCĂ” (SPD-BIOTECH), **2010-2013**

PN6. Grant CNCSIS nr. 450/2004-2005 Cercetari privind obtinerea colorantilor galbeni alimentari, din surse naturale de origine fungica, in acord cu principiile moderne ale calitatii si sigurantei alimentare Beneficiar: Universitatea «Dunărea de Jos», Galați, valoare, 6000 lei Responsabil : Prof. Dr. Bahrim Gabriela

PN7. CNCSIS 62 : Platforma de cercetare: *Bioaliment 2006-2008*, <http://www.bioaliment.ugal.ro/programe.htm>

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

PN8. CEEX modul I nr. 717/ 24.07.2006 (2006-2008): Imbunatatirea indicatorilor calitativi la tratarea biologica a apelor reziduale din industria alimentara pe baza unor sisteme de conducere avansata - „APEPUR” – membru în echipa grantului al Universității „Dunărea de Jos” din Galați; Responsabil : Prof. Dr. Caraman Sergiu, Valoare : 1445000 lei

PN9. CEEX modul IV nr. 299/ 18.09.2006(2006-2007)- membru în echipa grantului: „*Centru regional de cercetare și monitorizare a calitatii mediului*” al Universității „Dunărea de Jos” din Galați; Responsabil : Prof. Dr. Georgescu Lucian, valoare totala: 709400 lei

PN10.CEEX modul III (2006-2007)- membru în echipa grantului: „*Promovarea participarii romanesti la proiecte europene fp7 in domeniul imunogeneticii diabetului zaharat si al medicinei regenerative cu celulele beta pancreatice*” – DIABTER, al Universității „Dunărea de Jos” din Galați în parteneriat cu Spitalul Fundeni; Director: Prof. Univ. Dr. Irinel Popescu, Responsabil Galati : Prof. Dr. Georgescu Lucian

PN11. Membră in echipa de lucru la contractele de cercetare fundamemntală MCT Nr.: **1057/1992; 1058/1993; 1059/1994; 1060/1996**- Responsabil teme: Prof. dr. **Ioan Druță**-Catedra de Chimie a Univ. „Al. I.Cuza” din Iași

21.01.2024

Prof.dr.chim. habil. Rodica Mihaela Dinică