

ANEXA

LISTA COMPLETA A PROIECTELOR ȘI LUCRARILOR ELABORATE ȘI/SAU PUBLICATE

A. Teze de doctorat și abilitare

[A1] Teza de doctorat

Furdui, B., 2006, *Sinteze în clasa bipiridililor. Studiul interacțiunii cu ADN*, Universitatea Al. I. Cuza, Iași cotelă cu Universitatea Joseph Fourier, Grenoble, Franța.

[A2] Teza de abilitare

Furdui, B., 2023, *Contribuții privind dezvoltarea unor metode sustenabile de obținere a unor compuși biologic activi și pentru valorificarea biomasei vegetale*, Universitatea „Vasile Alecsandri” din Bacău

B. Carti și capitole în carti

[B1] Autor principal

1. Buruiană, C.-T., Istrati, D.I., Vizireanu, C., **Furdui, B.***. Valorificarea tulpinilor de sorg zaharat sub formă de glucide hemicelulozice și bioetanol (Subcapitol 10.7., p. 324, 6 pag), din Capitolul X – Valorificarea sorgului zaharat, în. *Sorgul – Tehnologii inovative de cultivare și valorificare*; Coordonatori: Matei, G., Vlăduț, N.-V; Autori principali: Troțuș, E., Isticioaia, S.F., Drăghici, R., Popa, L.-D., Apostol, L., Vocea, I.; Editura Universitaria, Craiova, România, 426 p., 2021, ISBN 978-606-14-1728-5, <https://www.editurauniversitaria.ro/ro/book/sorgul-tehnologii-inovative-de-cultivare-si-valorificare/13259>
2. Istrati, D.I., Buruiană, C.-T., Vizireanu, C., **Furdui, B.***, Apostol, L. Valoarea nutritivă a boabelor de sorghum bicolor și valorificarea sub formă de produse alimentare (Subcapitol 10.11., p. 382, 30 pag), din Capitolul X – Valorificarea sorgului zaharat, în. *Sorgul – Tehnologii inovative de cultivare și valorificare*; Coordonatori: Matei, G., Vlăduț, N.-V; Autori principali: Troțuș, E., Isticioaia, S.F., Drăghici, R., Popa, L.-D., Apostol, L., Vocea, I.; Editura Universitaria, Craiova, România, 426 p., 2021, ISBN 978-606-14-1728-5, <https://www.editurauniversitaria.ro/ro/book/sorgul-tehnologii-inovative-de-cultivare-si-valorificare/13259>
3. Botezatu (Dediu) A. V., Horincar G., Ghinea I. O., **Furdui B.***, Bahrim G.-E., Barbu V., Balanescu F., Favier L., Dinica R.-M in Chia-Hung Kuo and Chwen-Jen Shieh (Eds.), *Biocatalytic Process Optimization*, Pages: 296, Published: January 2021 (This book is a printed edition of the Special Issue Biocatalytic Process Optimization that was published in Catalysts), ISBN 978-3-03943-915-7 (Hbk); ISBN 978-3-03943-916-4 (PDF), pg proprii 17(pg 203-219), <https://doi.org/10.3390/books978-3-03943-916-4> (registering DOI)
4. **Furdui B.**, Dediu (Botezatu) A. V., Dinica R. M., *Cu-Catalyst in Reactions Involving Pyridinium and Indolizinium Moieties*, pg. 7-22, în *Copper Catalysis in Organic Synthesis*, Edited by Gopinathan Anilkumar and Salim Saranya, Wiley-VCH, 2020, ISBN: 978-3-527-34737-7
5. **Furdui, B.**, Dinică, R., Georgescu, M., 2010, *Chimie organică. Noțiuni teoretice și practice*, *Galati University Press*, ISBN 978-606-8008-75-2, 563 pag.

[B2] Coautor

6. Busuioc A., **Furdui B.**, Botezatu A.-V. Dinică R.-M., *Representative species of the Cucurbitaceae family valuable phytochemicals and properties for food and medicine în Cucurbitaceae Crops - Breeding, Production, Current Research and Developments*, Edited by Ertan Yildirim, Melek Ekinci, Murat Aydin and Esma Yigider, IntechOpen, London, 2025, DOI: 10.5772/intechopen.1011964
7. Zgherea, Ghe., Dima, Șt., Dinică, R., **Furdui, B.**, *Teste de chimie organică pentru concursul de admitere în învățământul superior*, ediția a VII-a revizuită și completată, Ed. Fundației Universitare „Dunărea de Jos”, Galati, 2012, 218 pag, ISBN 978-973-627-486-2
8. Zgherea, Ghe., Dima, Șt., Dinică, R., **Furdui, B.**, *Teste de chimie organică pentru concursul de admitere în învățământul superior*, ediția a VI-a revizuită și completată, Ed. Fundației Universitare „Dunărea de Jos”, Galati, 2011, ISBN 978-973-627-478-7, 209 pag
9. Florea T, **Furdui, B.**, Dinică, R., Crețu R., 2009, *Chimie organică. Sintează și analiză funcțională*, Ed. *Academica*, Galati, ISBN 978-973-8937-56-7, 258 pag
10. Zgherea, Ghe., Dima, Șt., Dinică, R., **Furdui, B.**, 2009, *Teste de chimie organică pentru concursul de admitere în învățământul superior*, Ed. *Fundației Universitare „Dunărea de Jos”*, Galati, ISBN 978-973-627-445-9, 209 pag
11. Florea, T., Dinică, R., Crețu, R., **Furdui, B.**, 2006, *Chimie Organică. Lucrări Practice și Probleme*, Ed. *Academica*, Galati, (10) 973-8937-14-0, (13) 978-973-8937-14-7, 220 pag.
12. Georgescu, M., Dinică, R., **Furdui, B.**, 2004, *Lucrări Practice de Chimie Organică Preparativă*, Ed. *Fundației Universitare „Dunărea de Jos”*, Galati, ISBN 973-727-144-7, 102 pag.

[C1] Articole/studii publicate în reviste de circulație internațională, ISI

1. Mbaïhougadóbe S., Mbaïogaou A., Dragoi Cudalbeanu M., Salomon Madjitouloum B., Borda D., Botezatu A. V., **Furdui B***, Yaya M., Dinică R. M., 2025, Evaluation of antioxidant and in vitro anti-inflammatory activities of *Hexalobus monopetalus* (A. Rich.) Engl. and Diels extracts, The Annals of the University Dunarea de Jos of Galati, Fascicle VI – FOOD TECHNOLOGY, 49 (2), F.I (2024) 0.7, *in press*,
2. Botezatu A. V., **Furdui B.***, Busuioc A., Dinică R. M., 2025, Recent developments in the synthesis of indolizines and their derivatives as compounds of interest in medicinal chemistry: a review, *European Journal of Medicinal Chemistry*, 297 117908 DOI10.1016/j.ejmech.2025.117908, WOS:001537500600001, ISSN 0223-5234, e-ISSN 1768-3254, F.I (2024) 5.9, 4 citări
3. Fidinirina Telesphore A.; Botezatu A. V.; Istrati D. I.; **Furdui B***; Dinica R. M.; Andriamanamisata Razafindrato V. L., 2025, *Arthrospira platensis* var. *toliaensis*: a local sustainable microalga promoting resilience in food, *Foods* 14 (15), 2634, DOI10.3390/foods14152634, WOS:001549541300001, e-ISSN 2304-8158, F.I (2024) 5.1, 1 citări
4. Zeinhom A. A., Dinica R. M., Lupoe M., Balanescu F., Nistor A., Busuioc A., Botezatu A., **Furdui B.**, Dumitru C., 2025, A Recent Review On Ethnomedicinal, Phytochemical, And Pharmacological Activities Of Major Astraceae Family Plants In The Măcin Mountain National Park, Romania, *Scientific Study & Research Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 26 (2), pp. 257 – 274, DOI10.29081/ChIBA.2025.641, WOS:001522092700010, ISSN 1582-540X, F.I (2024) 0.7
5. Dah-Nouvlessounon D., Chokki M., Hoteyi I. MS, Fassinou F., Ranga F., Fetea F., Diaconeasa Z., Vodnar D., **Furdui B.**, Baba-Moussa F., Dinica R. M., Suharoschi R., Baba-Moussa L., 2024, Pharmacological Property and Cytotoxic Effect Showing Antiproliferative Potency in Human Melanoma Cell Lines (A375) of *Combretum racemosum* P. Beauv. Leaf and Root Extracts Used in Benin, *Antioxidants*, 13(1), 31, doi.org/10.3390/antiox13010031, WOS:001151915300001, e-ISSN 2076-3921, F.I (2022-2023) 7, F.I (2024) 6.6, 2 citări
6. Mbaïhougadóbe S., Madjitouloum B. S., Cudalbeanu M., Abel M., **Furdui B.**, Dinica R. M., 2023, Anti-oxidant Activities, Dosage of Total Polyphenols and Flavonoids from *Crossopteryx febrifuga* (afz. Ex g Don) Benth (Rubiaceae), *Oriental Journal of Chemistry*, Vol. 39, No.(6), Pg. 1620-1628, ISSN: 0970-020 X, doi.org/10.13005/ojc/390623, WOS:001136624100021, ISSN 0970-020X, e-ISSN 2231-5039, F.I (2022-2023) 0.5, F.I (2024) 0.6
7. Botezatu Dediu A. V., Apetrei R.-M., Costea (Nour) I. F., Barbu V., Grigore-Gurgu L., Botez F., Dinica R. M., **Furdui B***, Carac G., 2023, Synthesis and characterization of novel chitosan derivatives (containing dipyrindinium quaternary salts) with antimicrobial potential, *Carbohydrate Research* 534, 108964, doi.org/10.1016/j.carres.2023.108964, WOS:001109923500001, e-ISSN 1873-426X, ISSN 0008-6215, F.I (2022-2023) 3.1, F.I (2024) 2.5, 10 citări
8. Botezatu (Dediu) A. V., Bahrim G. E., Ungureanu C. V., Busuioc (Cazanevscaia) A., **Furdui B.***, Dinica R. M., 2023, Green “One Pot” Fluorescent bis-Indolizines Synthesis with Whole-Cells Plants Biocatalysis, *Green Processing and Synthesis*, Volume 12 Issue 1, 20230046, https://doi.org/10.1515/gps-2023-0046; WOS:001072165700001, e-ISSN 2191-9550, F.I (2022-2023) 4.3, F.I (2024) 3, 6 citari
9. Busuioc Cazanevscaia A., Costea G. V., Dediu Botezatu A. V., **Furdui B.***, Dinica R. M., 2023, *Cucumis metuliferus* L. Fruits Extract with Antioxidant, Anti-Inflammatory, and Antidiabetic Properties as Source of Ursolic Acid, *Separations*, Volume 10, Issue 5, 274; https://doi.org/10.3390/separations10050274; WOS:000997105800001; e-ISSN 2297-8739; F.I (2022-2023) 2.6, F.I (2024) 2.7, 8 citări
10. Dah-Nouvlessounon D., Chokki M., Pacôme Noumavo A. D., Cârâc G., **Furdui B.***, Sina H., Zongo Cheikna, Savadogo Aly, Baba-Moussa L., Dinica R.-M., Baba-Moussa F. 2023, Ethnopharmacological Value and Biological Activities via Antioxidant and Anti-Protein Denaturation Activity of *Morinda lucida* Benth and *Momordica charantia* L. Leaves Extracts from Benin, *Plants-Basel*, 12, 1228. https://doi.org/10.3390/plants12061228, WOS:000960075500001; e-ISSN 2223-7747; F.I (2022-2023) 4.5, F.I (2024) 4.1, 5 citari
11. Bălănescu F, Botezatu A V, Marques F, Busuioc A, Marincea O, Vinătoru C, Cârâc G, **Furdui B**, Dinica R M, 2023, Bridging the Chemical Profile and Biological Activities of a New Variety of *Agastache foeniculum* (Pursh) Kuntze Extracts and Essential Oil, *International Journal of Molecular Sciences*, vol 24, Issuee 1, pages 828, https://doi.org/10.3390/ijms24010828, WOS:000909989300001, eISSN 1422-0067, F.I (2022-2023) 5.6, F.I (2024) 4.9, 13 citări
12. Bălănescu F.; Busuioc (Cazanevskaia) A.; Botezatu (Dediu) A.V.; Gosav S.; Avramescu S.M.; **Furdui B.***; Dinica, RM, 2022, Comparative Study of Natural Antioxidants from *Glycine max*, *Anethum graveolens* and *Pimpinella anisum* Seed and Sprout Extracts Obtained by Ultrasound-Assisted Extraction; *Separation*; Volume 9, Issue 6, Article number 152, DOI 10.3390/separations9060152; WOS:000816429000001; e-ISSN 2297-8739; F.I. (2021) 3.344, F.I (2024) 2.7, 16 citari
13. Baussanne I.; Firstova O.; Dediu A.B.; Larosa C.; **Furdui B.**; Ghinea I.O.; Thomas A.; Chierici S, Dinica R., Demeunynck M., 2021, 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, Article number 105390, DOI 10.1016/j.bioorg.2021.105390; WOS:000711455000004; ISSN 0045-2068; eISSN 1090-2120; F.I (2021) 5.307; F.I (2024) 4.7; 18 citari
14. Dinica RM; Sandu C; Botezatu (Dediu) A.V.; Busuioc (Cazanevscaia) A.C; Balanescu F; Mihaila (Ionică) M. D.; Dumitru CN; **Furdui B***; Iancu AV, 2021, Allantoin from Valuable Romanian Animal and Plant Sources with Promising Anti-Inflammatory Activity as a Nutricosmetic

15. Ghinea I. O., Ionica Mihaila M. D., Avramescu S. M., Cudalbeanu M., Isticioaia S.-F., Dinica R. M., **Furdui B.***, 2021, HPLC-DAD Polyphenolic Profiling and Antioxidant Activities of Sorghum bicolor during Germination, *Agronomy-Basel*, 11(3), pag. 417-428, 10.3390/agronomy11030417, WOS:000633213500001, eISSN 2073-4395, FI (2021) 3.949; F.I (2024) 3.4; 14 citari
16. Isticioaia, SF; Apostol, L; Matei, G; Mirzan, O ; Pintilie, P; Trotus, E; Leonte, A; Viadut, V; Cristea, O; Oprea, B; **Furdui, B**; Marinciu, CM; Bularda, M, 2021, Variation Of Tuber Yields and Quality at Some Jerusalem Artichoke Genotypes in Pedoclimatic Conditions From Center of Moldova and the Plain of Oltenia, Romania, *ROMANIAN AGRICULTURAL RESEARCH*, 38, pag 337-343, ISSN 1222-4227 WOS:000681706500035; F.I (2021) 0.633; F.I (2024) 1; 2 citari
17. Busuioc Cazanevscaia A., Botezatu Dediu A.-V., **Furdui B.***, Vinatoru C., Maggi F., Caprioli G., Dinica R.-M., 2020, Comparative Study of the Chemical Compositions and Antioxidant Activities of Fresh Juices from Romanian Cucurbitaceae Varieties, *Molecules*, Volume 25, Issue 22, 5468, 10.3390/molecules25225468, WOS:000594348300001, ISSN/e-ISSN 1420-3049, FI (2020) 3.267; F.I (2024) 4.6; 42 citari
18. Buruiană C.-T., Georgescu L., Isticioaia S.-F., Constantin O. E., Vizireanu C., Dinică R. M., **Furdui B.***, 2020, Insights on Monosaccharides and Bioethanol Production from Sweet Sorghum Stalks Using Dilute Acid Pretreatment, *Processes*, Volume 8, Issue 11, 1486, ISSN/e-ISSN 2227-9717, 10.3390/pr8111486, WOS:000593881100001, FI (2020) 2,753, F.I. (2021) 3.352; F.I (2024) 2.8, 6 citari
19. Bălănescu F., Mihaila Ionica M. D., Cârâc G., **Furdui B.***, Vînătoru C., Avramescu S. M., Lisa E. L., Cudalbeanu M., Dinica R. Mihaela, 2020, Flavonoid Profiles of Two New Approved Romanian Ocimum Hybrids, *Molecules*, Volume 25, Issue 19, 4573, ISSN/e-ISSN 1420-3049, 10.3390/molecules25194573, WOS:000586518500001, FI (2020) 3.267, F.I (2024) 4.6, 12 citari
20. Botezatu (Dediu) A. V., Horincar G., Ghinea I. O., **Furdui B.***, Bahrim G.-E., Barbu V., Balanescu F., Favier L., Dinica R.-M., 2020, Whole-Cells of *Yarrowia lipolytica* Applied in "One Pot" Indolizine Biosynthesis, *Catalysts* 10, 629-644; doi:10.3390/catal10060629, WOS:000551908500001, e-ISSN 2073-4344; FI (2020) 3,520, F.I (2024) 4, 6 citari
21. Chokki M.; Cudălbeanu M.; Zongo C.; Dah-Nouvlessounon D.; Ghinea I. O.; **Furdui B.***; Raclea R.; Savadogo A.; Baba-Moussa L.; Sorin Avamescu M.; Dinica R. M.; Baba-Moussa F., 2020, Exploring Antioxidant and Enzymes (A-Amylase and B-Glucosidase) Inhibitory Activity of *Morinda lucida* and *Momordica charantia* Leaves from Benin, *Foods*, Volume 9, Issue 4, 434, ISSN/eISSN 2304-8158 <https://doi.org/10.3390/foods9040434>, WOS:000537220500047, e-ISSN 2304-8158 FI (2020) 4,092, F.I (2024) 5.1, 56 citari
22. Cudalbeanu M., **Furdui B.***, Cârâc G., Barbu V., Iancu A. V., Marques F., Humberto Leitão J., Sousa S. A., Dinica R. M., 2020, Antifungal, Antitumoral and Antioxidant Potential of the Danube Delta *Nymphaea alba* Extracts, *Antibiotics-Basel*, 9 (1), 7-31; ISSN/eISSN 2079-6382, doi:10.3390/antibiotics9010007, WOS:000513524700020, FI (2020) 3,893, F.I (2024) 4.6, 26 citari
23. Istrati D. I., Constantin O. E., Vizireanu C., Rodica D., **Furdui B.***, 2019, 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, 10.35219/foodtechnology.2019.2.13, WOS:000509770600013, eISSN 2068-259X; F.I (2021) 0.15, F.I (2024) 0.7; 4 citari
24. Tabacaru A., Dediu Botezatu A. V., Horincar G., **Furdui B.***, Dinica R. M., 2019, Green Accelerated Synthesis, Antimicrobial Activity and Seed Germination Test of Quaternary Ammonium Salts of 1,2-bis(4-pyridyl)ethane, *Molecules*, 24(13), 2424, doi:10.3390/molecules24132424, WOS:000476700300078, eISSN 1420-3049; F.I (2019) 3,060, F.I (2024) 4.6, 12 citari
25. Patriche S., Ghinea I. O., Adam G., Gurau G., **Furdui B.**, Dinica R. M., Rebegea L.-F., Lupoe M., 2019, Characterization of Bioactive Compounds from Romanian *Cetraria islandica* (L) Ach., *REV.CHIM.(Bucharest)*, 70 (6), WOS:000475860100062, <https://doi.org/10.37358/RC.19.6.7302>, ISSN 0034-7752; F.I (2019/2020) 1,755, 9 citari
26. Buruiană.C.-T, Vizireanu C., **Furdui B.**, 2018, Bioethanol Production From Sweet Sorghum Stalk Juice By Ethanol-Tolerant *Saccharomyces Cerevisiae* Strains: An Overview, *Analele Universității Dunărea de Jos din Galați, Fascicula VI – Food Technology*, vol. 42, issue 2, pag. 153-167, WOS:000465317800011; eISSN 2068-259X; F.I (2021) 0.15, F.I (2024) 0.7, 4 citari
27. Cudalbeanu M., Ghinea I.O., **Furdui B**, Dah-Nouvlessounon D., Raclea R., Costache T., Cucolea I. E., Urlan F., Dinica R.M., 2018, Exploring New Antioxidant and Mineral Compounds from *Nymphaea alba* Wild-Grown in Danube Delta Biosphere, *Molecules*, 23(6), 1247; <https://doi.org/10.3390/molecules23061247>, WOS:000435875400009; e-ISSN 1420-3049; F.I (2018) 3,06, F.I (2024) 4.6, 37 citari
28. Tăbăcaru, A., **Furdui, B.**, Ghinea, I. O., Cârâc, G. Dinică, R. M., 2017, Recent Advances in Click Chemistry Reactions Mediated by Transition Metal Based Systems, *Inorganica Chimica Acta*, 455 part 2, pag. 329-349, DOI:10.1016/j.ica.2016.07.029, WOS:000390722500004; eISSN 1873-3255; F.I. (2017) 2,264, F.I (2024) 3.2, 42 citari
29. Constantin O. E., **Furdui B.***, Bahrim G., Dinică R. M., 2016, Evaluation of the Antimicrobial Effects of New Heterocyclic Bis-Quaternary Ammonium Compounds on Biofilms, *Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry*, 17 (2), pp. 199 – 210, ISSN 1582-540X, WOS:000379153300008, F.I. (2024) 0.7, 6 citari
30. Ghinea I. O., Dediu A. V., Ungureanu C., **Furdui B.**, Bahrim G., Dinica R. M., Measuring the cytotoxicity of bioactive N-heterocyclic compounds obtained via enzymatic catalysis, *Journal of Biotechnology*, 2015, 208, S28, DOI: 10.1016/j.jbiotec.2015.06.076, WOS:000359087000076; e-ISSN 1873-4863; FI (2015) 2,667, F.I (2024) 3.9

31. Horincar G., Ghinea I. O., **Furdui B.**, Dediu A. V., Bahrim G., Dinica R. M., Evaluation of the biologic activity of some quaternary ammonium salts against non-pathogenic and pathogenic microorganisms, *Journal of Biotechnology*, 2015, 208, S104, DOI: 10.1016/j.jbiotec.2015.06.326, WOS:000359087000326; e-ISSN 1873-4863; F.I (2024) 3.9
32. **Furdui B.**, Parfene G., Ghinea I. O., Dinică R. M., Bahrim G., Demeunynck M., 2014, Synthesis and in Vitro Antimicrobial Evaluation of New N-Heterocyclic Diquaternary Pyridinium Compounds, *Molecules*, 19(8), 11572-11585; ISSN 1420-3049, DOI:10.3390/molecules190811572, <http://www.mdpi.com/1420-3049/19/8/11572>, WOS:000341502600051; F.I. (2014) 2,416, F.I (2024) 4.6, 18 citari
33. Parfene G., Ghinea I. O., **Furdui B.**, Bahrim G., Dinica R. M., 2013, Screening and Biocatalytic Activity of Microbial Cells From Fungal Strains in Cycloaddition Processes, *Current Opinion in Biotechnology*, Volume 24, Supplement 1, Pages S1-S144 (July 2013), <http://dx.doi.org/10.1016/j.copbio.2013.05.153>, WOS:000323298100138; eISSN 1879-0429; F.I. (2013) 8,035, F.I (2024) 7
34. Doléans-Jordheim A., Veron J.-B., Fendrich O., Bergeron E., Romans A. M., Wong Y.-Si., **Furdui B.**, Freney J., Dumontet C., Boumendjel A., 2013, 3-Aryl-4-methyl-2-quinolones Targeting Multiresistant *Staphylococcus aureus* Bacteria, *ChemMedChem*, 8(4), 652–657, ISSN: 1860-7187, DOI: 10.1002/cmdc.201200551, F.I. (2013) 3,046, F.I (2024) 3.4; 40 citari
35. Dinica R. M., **Furdui B.***, Ghinea I.O., Bahrim G., Bonte S., Demeunynck M., 2013, Novel One-Pot Green Synthesis of Indolizines Biocatalysed by *Candida antarctica* Lipases, *Marine drugs*, 11(2), 431-439, EISSN 1660-3397, DOI:10.3390/md11020431, WOS:000315396800011; F.I. (2013) 3,512, A.I.S. 1.82412, F.I (2024) 5.4, 22 citari
36. **Furdui B.**, Dinică R., Tăbăcaru A., Pettinari C., 2012, Synthesis and physico-chemical properties of a novel series of aromatic electron acceptors based on N-heterocycles, *Tetrahedron*, 68(31), 6164-6168, ISSN: 0040-4020 DOI 10.1016/j.tet.2012.05.077, WOS 000306195800008; F.I. (2012) 2,803, A.I.S. 1.53892, F.I (2024) 2.2, 15 citari
37. **Furdui B.**, Constantin O., Tăbăcaru A., Dinică R. M., 2012, New Bis-Pyridinium Diquaternary Salts with Antimicrobial Properties, *REV. CHIM. (Bucharest)*, 63, No. 7, 667-671, ISSN 0034-7752, <http://www.revistadechimie.ro/pdf/FURDUI%20B.pdf%207%2012.pdf>, FI (2012) 0.538, AIS 0,1258, F.I (2019/2020) 1,755, 6 citari
38. **Furdui B.**, Constantin O., Dinică R., Bahrim G., Studies On Antimicrobial Activities Of Some New Bis-Pyridinium Derivatives, 2011, *Analele Universității Dunărea de Jos din Galați, Fascicula VI – Food Technology*, 35(2), 66-74, F.I (2022-2023) 1, ISSN 1843-5157, e-ISSN 2068-259X, WOS:000218998700007, http://www.ann.ugal.ro/tpa/ft_2011_no_2.htm, F.I (2024) 0.7, 3 citări
39. Yeo D., Dinică R., Yapi H. F., **Furdui B.**, Preisler M., Djaman A.J., N'Guessan J.D., 2011, Evaluation of the Anti-inflammatory Activity and Phytochemical Screening of *Annona senegalensis* Leaves, *Therapie*, vol.66, No. 1, 73-80, ISSN: 0040-5957, EDP SCIENCES SA, DOI 10.2515/therapie/2010076, F.I (2011) 0,303, F.I (2024) 1.8, 15 citari
40. Dinică R., **Furdui B.**, Cârâc G., Stanciu C., 2009, Fluorescent N-Heterocycles Via One-Pot Tandem Reactions, *Chemistry Journal of Moldova. General, Industrial and Ecological Chemistry.*, 4 (2), 2009, 82-85, ISSN 1857-1727, e-ISSN 2345-1688, DOI:10.19261/cjm.2009.04(2).06, WOS:000215095300013, F.I (2024) 0.5, Edited by The Chemical Society of Moldova, www.cjm.asm.md
41. Leontie L., Druta I., **Furdui B.**, Nica V., Rusu G.I., 2009, Electrical d.c. conduction mechanism in some newly synthesized mono- and dipyridine quaternary salts in thin films, *Synthetic Metals* vol.159, No. 17-18, 1831–1836, ISSN: 0379-6779, ELSEVIER, www.elsevier.com/locate/synmet, DOI: 10.1016/j.synmet.2009.06.003, F.I (2009) 1,901, F.I (2024) 4.6, 6 citări
42. Aluculesei, A., **Furdui, B.**, Vlahovici, AL., Dorohoi, D.O., 2008, Pure electronic transition of N-methyl-4[1-(ethoxycarbonyl)-3 (methoxy carbonyl-indolizin-7-yl]-pyridinium iodide, *Optoelectronics And Advanced Materials – Rapid Communications*; Vol. 2, No. 6, 371 – 373, ISSN: 1842-6573, Editat de National Institute of Optoelectronics and National Institute of Material Physics, F.I.(2008) 0,224, F.I (2024) 0.4
43. Dinică, R., **Furdui, B.**, Bahrim, G., Demeunynck, M., 2008, Precursseurs de Nouveaux Heterocycles avec interet biologiques, *Revue Roumaine de Chimie*; 53(1), 21-24, ISSN: 0035-3930, EDITURA ACADEMIEI ROMANE, AN 2008:131045 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R), F.I (2008) 0,284, F.I (2024) 0.6, 13 citari
44. **Furdui, B.**, Dinică, R., Demeunynck, M., Druță, I., 2008, Structural investigations of substituted indolizine derivatives by NMR studies, *Romanian Journal of Physics*, 53 (1-2), pg. 343-357, ISSN: 1221-146-x, F.I (2024) 1.9, 4 citări
45. **Furdui, B.**, Dinică, R., Demeunynck, M., Druță, I., Vlahovici, A., 2007, New reactive pyridinium indolizines fluorophores, *Revue Roumaine de Chimie*, 52(7), 633-637, ISSN: 0035-3930, EDITURA ACADEMIEI ROMANE, AN 2008:131045 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R), F.I (2007) 0,260, F.I (2024) 0.6, 11 citari
46. Leontie, L., Druță, I., **Furdui, B.**, Rusu, G. I., 2007, On the mechanism of the electrical conduction in some new quaternary salts of bipyridine and indolizine pyridine thin films, *Progress in Organic Coatings* 58:303-311, ISSN 0300-9440, www.elsevier.com/locate/porgcoat, ELSEVIER, CAN 148:66767 AN 2007:267521 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R), DOI: 10.1016/j.porgcoat.2007.01.003; F.I (2007) 1.578, F.I (2024) 7.3, 9 citari
47. **Furdui, B.**, Bahrim, G., Dinică, R., Druță, I., Demeunynck, M., 2007, In Vitro Antimicrobial Activity of New Nitrogen Heterocycles, *Roumanian Biotechnological Letters*, 12 (1), pg. 3073-3078, ISSN 1224-5984, CAN 147:465024 AN 2007:359287 CAPLUS (Copyright (C) 2008 ACS on SciFinder (R), F.I (2022-2023) 0.765, 4 citari
48. **Furdui, B.**, Dinică, R., Druță, I., Demeunynck, M., 2006, Improved Synthesis of Cationic Pyridinium-Substituted Indolizines, *Synthesis*, 16:2640-2642, ISSN: 0039-7881, GEORG THIEME VERLAG KG, CAN 145:454920 AN 2006:920113 CAPLUS (Copyright (C) 2008 ACS

[C2] Articole publicate în reviste indexate în baze de date internaționale*

1. Dinică R. M., **Furdui B.***, Chierici S., Dupont C., Ghinea I. O., Ionescu A. M., Mihaila M. D., Busuioc A., Botezatu A. V., „Évaluation de la capacité antioxydante et anti-acétylcholinestérase d'extraits de *Galanthus nivalis* et de *Narcissus pseudo-narcissus*”, 2025, Les Actes du Symposium de la Recherche Scientifique Francophone en Europe Centrale et Orientale, Tome II, p 65-68, ISSN ONLINE 3119-8767
2. Mbaïhougadobe S., Nsonde Ntandou G. F., Ngakegni-Limbili A. C., **Furdui B.**, Gouollaly T., Nkounkou Loumpangou C., Mahmoud Y., Ouamba J.-M., Évaluation in vitro de l'inhibition de l'activité de la xanthine oxydase et étude in vivo des effets analgésiques et anti-inflammatoires de *Entada africana* (Guillet & Perr) et *Combretums nigricans* (Lepr. ex Guill. & Perr), deux plantes traditionnellement utilisées dans le traitement de la goutte au Tchad., *Revue RAMReS – Série Pharm. Méd. Trad. Afr.*, 2023 ; 22(2) : 86-97, ISSN 2630-1296.
3. Chokki M., Zongo C., Dah-Nouvlessounon D., Cudăbeanu M., Noumavo P., Ghinea I. O., **Furdui B.**, Savadogo A., Dinica R. M., Baba-Moussa L. and Baba-Moussa F., Phytochemical screening and antimicrobial activity of *Momordica charantia* L. and *Morinda lucida* Benth extracts from Benin, 2020, *African Journal of Microbiology Research*, 14(8), 426-435, ISSN: 1996-0808, <https://doi.org/10.5897/AJMR2020.9347>
4. Lupoae M., Dinică R., **Furdui B.**, Lupoae P., Study on the content of active principles of some native plants with effect in making the stability and thermal resistance to fried sunflower oil, 2012, *Annals – Series on Biological Sciences, Academy of Romanian Scientist*, 1(2), ISSN 2285-4169, pg. 74-92, B+ CNCSIS category
5. **Furdui B.**, Dinică R., Lupoae M., Romică C., 2010, Effect Of Some Natural Herbs Incorporation in Sunflower Oils on its Resistance to Frying Temperatures, *Food and Environment Safety*, IX, nr. 4, pg. 61-66, ISSN 2068-6609, Publishing House Stefan cel Mare University , Suceava, Romania, IndexCopernicus: <http://journals.indexcopernicus.com/>, B+ CNCSIS category
6. Dinică R., Lupoae M., **Furdui B.**, Coprean D., 2010, Quantitative Determination of Polyphenolic Compounds From The Crude Extracts of *Allium*, *Alliaria* and *Urtica* Genus. A Comparative Study, *Food and Environment Safety*, IX, nr. 4, pg. 85-89, ISSN 2068-6609, Publishing House Stefan cel Mare University , Suceava, Romania, IndexCopernicus: B+ CNCSIS category
7. Lupoae M., **Furdui B.**, Dinică R., Coprean D., 2010, Quantification of carotenoids and chlorophyll leaf pigments from autochthones dietary plants, *Food and Environment Safety*, IX, nr. 4, pg. 42-47, ISSN 2068-6609, Publishing House Stefan cel Mare University, Suceava, Romania, IndexCopernicus:http://journals.indexcopernicus.com, B+ CNCSIS category
8. Bunea A., Dinică R., **Furdui B.**, Lupoae M , 2010, Studies on Plant Biomass in Various Stages of Degradation, *Food and Environment Safety*, IX, nr. 4, pg. 108-111, ISSN 2068-6609, Publishing House Stefan cel Mare University, Suceava, Romania, IndexCopernicus: <http://journals.indexcopernicus.com/>, B+ CNCSIS category
9. **Furdui B.**, Dinică R., Georgescu M., 2005, Physico-chemical Study of Etheric Oils from *Artemisia Absinthium*, *Ovidius University Annals of Chemistry*, 16(1), ISSN 1223 7221, pg. 193-195, Chemical Abstract indexed
10. **Furdui B.**, Radu, R. D., 2003, Recovery and physicochemical study of essential oil of *Artemisia absintium* , *Revista de Fizică și chimie*, 38 (1-2-3), pg. 1-7, Societatea de Științe Fizice și Chimice din România, CAN 139:385837, AN 2003:347171, CAPLUS.
11. Georgescu M., **Furdui B.**, Dinică R., Georgescu O., Physico-chemical study of folic acid from some vegetables, *Ovidius University Annals of Chemistry*, 2000, 11(1), 22-24, Chemical Abstract indexed

[C3] Articole/studii publicate în reviste din țară recunoscute de CNCSIS

Dodehe Y., Dinică R., **Furdui B.**, Preisler M., 2008, TLC and UV/VIS Identification of Flavonoids from *Anona Senegalensis* Leaves, *The Annals of „Dunărea de Jos” University of Galati, Fascicle II, New Series*, Decembrie 2008.

[C4] Articole publicate în reviste naționale de specialitate

Florea T., Costin G.M., **Furdui B.**, 1999, Principii nutritive și căi de realizare a formulelor pentru alimentația sugarilor, *Buletinul de Informare pentru Industria Laptelui*, vol. II, Nr. 1-2, pag.1-19

D. Studii publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN sau ISBN)

[D1] Studii publicate în volumele unor manifestări științifice internaționale recunoscute indexate în baze de date internaționale

1. Mbaïhougadobé S., Furdui B., Dediu A. V., Ghinea I.O., Borda D., Mahmoud Yaya Dinica R.M., Phytochemical Screening of *Hexalobus monopetalus* (A. Rich.) Engl. & Diels, Plant Used in the Treatment of Gout in Chad, “Alexandru Ioan Cuza” University Days Faculty of Chemistry Conference, ACTA CHEMICA IASI, 24_2, 184 (2016)
2. Furdui B., Timofti M., Patulea I., Phytoremediation study of petroleum polluted soils using *Pleurotus Pulmonarius* mushrooms, “Alexandru Ioan Cuza” University Days Faculty of Chemistry Conference, ACTA CHEMICA IASI, 24_2, 185 (2016)
3. Dinica R., **Furdui B.**, Ghinea O., *Une synthese facile et efficace “one pot” des derives indoliziniques en milieu de reaction ecologique*, Septième Colloque Franco-Roumain de Chimie Appliquée - COFrRoCA – 2012, 27 – 29 Juin 2012, Bacău, Roumanie, <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>

4. Tăbăcaru I., Gurău G., **Furdui B.**, Dinică R. M., *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>
5. Parfene G., **Furdui B.**, Lupoae M., Dinică R. M., *Cellules vegetales utilisées comme biocatalyseurs dans les reactions*, Actes du septieme colloque franco-romain de chimie appliquee, 27-29iunie 2012, Bacău, <http://cisapm.inginerie.ub.ro/evenimente/83-cofroca-2012>
6. Dinică R., **Furdui B.**, Carac G., Zapodeanu I., *Synthese de nouveaux sels diquatéraux de pyridine et leurs etudes electrochimiques*, Sixieme Colloque Franco-Roumaine de Chimie Aplique - COFrRoCA 2010, 7-10 Juillet, Orleans, Franța.
7. Dinică R., Furdui B., Carac G., Birlădeanu A., Stanciu C., *Proprietes electrochimiques d'une serie d'accepteurs d'electrons bases sur des N-heterocycles*, Sixieme Colloque Franco-Roumaine de Chimie Aplique - COFrRoCA 2010, 7-10 Juillet, Orleans, Franța
8. Dinică R., **Furdui B.**, Carac G., Stanciu C., 2008, *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
9. Dinică R., **Furdui B.**, Demeunynck M., Bouffier L., 2004, *Precurseurs de nouveaux heterocycles a interet biologique*, 3-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA), Bacău, 22-26 september, ISBN:973-8392-36-5, indexare: CAN 143:266794, AN 2004:1043739, CAPLUS
10. Georgescu M., Dinică R., **Furdui B.**, Koprivekc D., 2004, *Determination de la concentration des tocopherols dans certaines cereales autochtones*, 3-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA), Bacău, 22-26 september, ISBN:973-8392-36-5, indexare: CAN 143:192777, AN 2004:1043825, CAPLUS

[D2] Studii publicate în volumele unor manifestări științifice internaționale recunoscute din țară

1. Lupoae M., Dinică R., **Furdui B.**, 2010, *Polyphenolic Compounds From Wild Garlic Extracts*, Conferința internațională de științe aplicate. chimie și inginerie chimică – CISA – 2010, 8 – 11 aprilie 2010, Slănic Moldova – Bacău, ISSN 2066-7817, pag. 179-181
2. Dinică R., Crețu R., **Furdui B.**, Florea T., 2005, *Research on the Antioxidant Effect of Indolisines Derivatives*, *Papers of International Symposium Euro-Aliment*, Galați, 29-30 september, ISBN:973-8316-87-1.
3. Georgescu M., Dinică R., **Furdui B.**, 2003, *Separarea, identificarea și dozarea unor componente biologice active din cereale*, *Lucrările Simpozionului Internațional Euro-Aliment*, Galați, 23-25 octombrie, ISBN:973-8316-68-5, pag. 623-625.

[D3] Studii publicate în volumele unor manifestări științifice naționale

Dinică R., Crețu R., **Furdui B.**, Florea T., 2005, *Research on the Antioxidant Effect of Indolisines Derivatives in Vegetables Oils*, Al VIII-lea Simpozion de Chimia Coloizilor și Suprafețelor, Galați, 2-4 iunie, ISBN:973-8316-84-7, pag. 190-193

[D4] Studii publicate în volumele unor manifestări științifice internaționale ca rezumat

1. Botezatu A.V., **Furdui B.**, Tăbăcaru A., Busuioc A., Bălănescu F., Dinică R.M., „Environmentally Friendly Ultrasound-Assisted Synthesis of Substituted Quaternary Pyridinium Salts and Indolizines”, 25th European Meeting on Environmental Chemistry, 23-25 November 2025, Chania, Greece
2. Ionica M.D., Botezatu A.V., Busuioc A., Ionescu A.M., Iancu A., Bălănescu F., **Furdui B.**, Dinică R.M., „Valorization of Used Cooking Oil by Obtaining a Functional Liquid Soap Enriched with Natural Extracts”, 25th European Meeting on Environmental Chemistry, 23-25 November 2025, Chania, Greece
3. Dinică R.M., Ionescu A.M., Botezatu A.V., Vânătoru C., **Furdui B.**, Mocanu A.M., „Improving the Extraction of Polyphenols and Flavonoids from Medicinal Plants with Natural Deep Eutectic Solvents”, 25th European Meeting on Environmental Chemistry, 23-25 November 2025, Chania, Greece
4. Ionescu A.M., Mocanu A.M., Botezatu A.V., Vânătoru C., **Furdui B.**, Dinică R.M., „Sideritis Scardica: Extraction of Biologically Active Compounds Using Green Chemistry Methods”, 25th European Meeting on Environmental Chemistry, 23-25 November 2025, Chania, Greece
5. Ngolo E., Ossibi A. W. E., Mboungou-Bouesse B., Botezatu A. V., Bonazaba Milandou L. J. C., Dinică R. M., **Furdui B.***, „Évaluation de la toxicité, de l'activité antioxydante, et des teneurs en polyphénols des écorces de tronc de *Pentaclethra Eetveldeana* wild & t. Durand (Fabaceae)”, 2eme SYMPOSIUM DE LA RECHERCHE SCIENTIFIQUE FRANCOPHONE EN EUROPE CENTRALE ET ORIENTALE, 30 et 31 octobre 2025, Iasi, Romania
6. Ionescu A. M., Vânătoru C., Botezatu A. V., **Furdui B.**, Chierici S., Dinică R. M., „Évaluation de l'activité antioxydante et antineurodégénérative des extraits de *Sideritis Hyssopifolia*”, 2eme SYMPOSIUM DE LA RECHERCHE SCIENTIFIQUE FRANCOPHONE EN EUROPE CENTRALE ET ORIENTALE, 30 et 31 octobre 2025, Iasi, Romania
7. Mihaila (Ionica) M. D., Botezatu A. V., Busuioc A., Balanescu F., **Furdui B.**, Dinică R. M., „Propriétés phytochimiques et activité antioxydante de l'extrait de racine d'Iris pseudacorus”, 2eme SYMPOSIUM DE LA RECHERCHE SCIENTIFIQUE FRANCOPHONE EN EUROPE CENTRALE ET ORIENTALE, 30 et 31 octobre 2025, Iasi, Romania

8. Botezatu A. V., Corolenco M. I., Ionescu A. M., Mihaila Ionica M. D., Bardan M. V., Busuioc A., Balanescu F., **Furdui B.**, Dinica R. M., „Extraction and study of biologically active molecules from *Piper Nigrum*”, IasiCHEM 2025 Conference 7th Edition, 30 - 31 October 2025, Iasi, Romania
9. Sanvee S. C. J., Botezatu A. V., Bakoma B., Ionica Mihaila M. D., Gosav S., **Furdui B.**, Ionescu A. M., Anna Busuioc, Mocanu A.-M., Dinica R. M., „Phenolic content and antioxidant activities of Uvaria chamae leaf fractions”, IasiCHEM 2025 Conference 7th Edition, 30 - 31 October 2025, Iasi, Romania
10. M'po S. M. Bl., Guenne S., Kouliga Koama B., Ouattara N., Meda N.-T. R., Botezatu A. V., Ionescu A. M., Mihaila M. D., Balanescu F., **Furdui B.**, Dinica R. M., „Phytochemical study and antioxidant activity of *Eclipta alba* L (Hassk.) from Burkina Faso”, IasiCHEM 2025 Conference 7th Edition, 30 - 31 October 2025, Iasi, Romania
11. Mihaila (Ionica) M. D., Calmuc V. A., Simionov I.-A., Georgescu P. L., Iticescu C., **Furdui B.**, Dinică R. M., „Bioactive Compounds and Mineral Content in *Iris pseudacorus* from the Danube Delta: A Multi-Technique Approach”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2025, The 13th Edition, GALAȚI, 12th-13th of June 2025
12. Ionescu A.-M., Botezatu A.-V., Mocanu A.-M., Busuioc A., Mihăilă M. D., **Furdui B.**, Chierici S., Dupont C., Vinătoru C., Dinică R. M., „Study of Chemical Composition and Antineurodegenerative Effect of *Rumex acetosa*”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2025, The 13th Edition, GALAȚI, 12th-13th of June 2025
13. Bârdan M. Va., Botezatu A. V., Bratu C., Vinătoru C., Busuioc A., Ionescu A.-M., Carac G., **Furdui B.**, Dinică R.-M., Comparative Analysis of Chemical Profile and Biological Activity of Extracts from Leaves and Flowers of *Artemisia spp.*, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2025, The 13th Edition, GALAȚI, 12th-13th of June 2025
14. Botezatu A. V., **Furdui B.**, Dinică R.-M., „Applications of Conventional and Green Methods in Synthesis of Aromatic N-heterocycles”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2025, The 13th Edition, GALAȚI, 12th-13th of June 2025
15. Mocanu A.-M., Botezatu-Dediu A. V., Ionescu A. M., Ionica (Mihăilă) M. D., Vinătoru C., **Furdui B.**, Dinică R. M., „Comparative Phytochemical and Pharmacological Evaluation of *Perilla frutescens* and *Plantago major* Extracts Obtained via Green Extraction Using Deep Eutectic Solvents”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2025, The 13th Edition, GALAȚI, 12th-13th of June 2025
16. Mocanu A.-M., Botezatu-Dediu A V, Ionescu A M, Ionica (Mihaila) M D, Vanatoru C, **Furdui B.**, Dinica R M, „Natural Deep Eutectic Solvents As Superior Extractants: Enhancing The Bioactivity Of *Perilla Frutescens* Extracts”, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTECH 2025, V. Alecsandri University of Bacău, 21-21 May 2025, ISSN 2457 - 3388
17. Ionescu A-M, Botezatu A V, Busuioc A, Mihaila M D, Mocanu A-M, **Furdui B.**, Marujo Marques F, Chierici S., Dupont C, Vinatoru C, Dinica R M, „Evaluation Of The Phytochemical Content And Biological Properties Of *Sideritis Syriaca*”, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTECH 2025, V. Alecsandri University of Bacău, 21-21 May 2025, ISSN 2457 - 3388
18. Bârdan M V, Cârâc G, **Furdui B.**, Busuioc A, Botezatu A-V, Dinică R-M, „Phytochemical Analysis And Antioxidant Capacity Of European Mistletoe Leaves (*Viscum Album* L.)”, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTECH 2025, V. Alecsandri University of Bacău, 21-21 May 2025, ISSN 2457 - 3388
19. Busuioc A, **Furdui B.**, Botezatu A V, Dinică R M, Cârâc G, Lupoae M, „Formulation And Study Of Extended-Release Capsules From *Crataegus Monogyna* Species Extracts”, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTECH 2025, V. Alecsandri University of Bacău, 21-21 May 2025, ISSN 2457 - 3388
20. Răileanu R-N, Ionescu A-M, Botezatu A-V, Busuioc A, **Furdui B.**, Dumitru C, Brice K A, Lupoae P, Cârâc G, Dinica R-M, „Plant Extracts As New Alternatives In The Endodontic Antibacterial Treatment”, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTECH 2025, V. Alecsandri University of Bacău, 21-21 May 2025, ISSN 2457 - 3388
21. Ionica Mihaila M D, Dragoi Cudalbeanu M, Botezatu A V, **Furdui B.**, Dinica R M, „Comparative Analysis Of The Chemical Composition *Iris Pseudacorus* And *Nymphaea Alba* Species By Gas Chromatography-Mass Spectrometry (GC-MS)”, The 20th International Conference of Constructive Design and Technological Optimization in Machine Building Field – OPROTECH 2025, V. Alecsandri University of Bacău, 21-21 May 2025, ISSN 2457 - 3388
22. Dinică R. M.*, **Furdui B.***, Chierici S.*, Dupont C, Ghinea I. O., Ionescu A. M., Mihaila M. D., Busuioc A., Botezatu A. V.*, „Évaluation de la capacité antioxydante et anti-acétylcholinestérase d'extraits de *Galanthus nivalis* et de *Narcissus pseudo-narcissus*”, 3ème édition du Symposium de la recherche scientifique francophone en Europe centrale et orientale (SRSF-ECO'2024), 16 - 17 decembrie 2024, Universitatea de Medicină și Farmacie „Iuliu Hatieganu” din Cluj-Napoca.
23. Mihaila (Ionica) M. D., Botezatu A. V., Busuioc A., **Furdui B.**, Dinica R. M., „Chromatographic analysis and toxicity evaluation of *Iris Pseudacorus* extracts”, IasiCHEM 2024 Conference, 6th Edition, October 31st - November 1st, 2024 "Alexandru Ioan Cuza" University of Iasi, Romania

24. Busuioc A., Botezatu A.-V., Mihaila (Ionica) M. D., **Furdui B.**, Dinica R. M., „Determination of alkaloids of therapeutic interest from Piper species by HPTLC method and evaluation of their properties”, IasiCHEM 2024 Conference, 6th Edition, October 31st - November 1st, 2024 "Alexandru Ioan Cuza" University of Iasi, Romania
25. Ionescu A. M., Mocanu A.-M., **Furdui B.**, Busuioc A., Botezatu A.-V., Dinică R. M., „Exploring the Synergistic Effects of Plant Extract Combinations, Green Chemistry Applications on Medicinal and Aromatic Plants: Hypericum and Ruscus Species”, Artvin, Turcia, 16-18 October 2024, https://www.artvin.edu.tr/uploads/greenchemmap.artvin.edu.tr/userfiles/files/PROCEEDINGS_BOOK_19_12_24.pdf
26. Botezatu A.-V., Dinică R. M., **Furdui B.**, Ionescu A. M., Mocanu A.-M., Busuioc A., „Investigation on Antioxidant and Antiinflammatory Properties of Targeted Plant Species: *Hypericum* and *Ruscus* Species, Green Chemistry Applications on Medicinal and Aromatic Plants: Hypericum and Ruscus Species”, Artvin, Turcia, 16-18 October 2024, https://www.artvin.edu.tr/uploads/greenchemmap.artvin.edu.tr/userfiles/files/PROCEEDINGS_BOOK_19_12_24.pdf
27. Ionescu A.-M., Botezatu-Dediu A. V., **Furdui B.**, Bratu C., Vanatoru C.I., Dinica R.-M., „*Rumex Sanguineus*-An Edible Plant With Possible Medicinal Virtues”, 17 World Congres – Polyphenols Applications, 19-20 Sept 204, Milano Italia
28. Bardan M. V., Stefan B. C., Ionescu A.-M., Botezatu-Dediu A. V., Furdui B., Bratu C., Vanatoru C., Dinică R.-M., “Extraction and identification of anti-inflammatory compounds from *Artemisia* species”, 17th World Congress on Polyphenols Applications 2024, 19-20 Sept 204, Milano Italia
29. Mocanu A-M, Botezatu-Dediu A V, **Furdui B.**, Avramescu S M, Bratu C, Vanatoru C, Drăgoi-Cudălbeanu M, Dinica R M, „Extraction of Phenolic Compounds From *Perilla frutescens* Using Choline Chloride – Based Deep Eutectic Solvents”, 17th World Congress on Polyphenols Applications 2024, 19-20 Sept 204, Milano Italia
30. Mocanu A.- M., Avramescu Marius. S., Botezatu, A. V., **Furdui B.**, Dinica R. M., Cârâc G., „Electrochemical evaluation of antioxidant capacity of *Perrilla* extracts”, National Conference of Chemistry XXXVII Edition, September 25th – 27th, 2024, Targoviste, Romania, <https://www.icstm.ro/cnchim-2024/>
31. Mihailă (Ionica) M. D., Bălănescu F., Botezatu A.-V., Bardan M. V., **Furdui B.**, Dinica R. –M., „Phytochemical investigation of *Iris pseudacorus* extracts by HPTLC”, National Conference of Chemistry XXXVII Edition, September 25th – 27th, 2024, Targoviste, Romania, <https://www.icstm.ro/cnchim-2024/>
32. Ionescu A.- M., Dinica R.-Mi., Botezatu A.-V., **Furdui B.**, Iancu A.-V., Vinatoru C., Marujo Marques F., Cabral Campello M. P., „Evaluation of the biological activity of some vegetable extracts containing neuroprotective chemical compounds”, National Conference of Chemistry XXXVII Edition, September 25th – 27th, 2024, Targoviste, Romania, <https://www.icstm.ro/cnchim-2024/>
33. Mocanu A.-M, Botezatu-Dediu A. V., Ionescu A. M., **Furdui B.**, Marujo Marques F., Cabral Campello M. P., Avramescu S. M., Dinica R. M., „Deep eutectic solvents as advantageous extractants for enhancement of antimicrobial activity and anti-inflammatory potential of *Perilla frutescens* L. britt. Extracts”, National Conference of Chemistry XXXVII Edition, September 25th – 27th, 2024, Targoviste, Romania, <https://www.icstm.ro/cnchim-2024/>
34. Mocanu A.-M., Ailincăi D., Anisie I., Rosca I., Botezatu A. V., **Furdui B.**, Avramescu S. –M., Dinica R.- M., Marin L., „Green plasticizers in chitosan films: the role of choline-based natural deep eutectic solvents and *perilla frutescens* extracts in preparation, characterization, antioxidant and antimicrobial activity”, PolyChar World Forum on Advanced Materials 30th edition, Iasi, Romania, September 11 - 13, 2024, <https://icmpp.ro/polychar'30>
35. Ionescu A.-M., Nour I., Botezatu A. V., **Furdui B.**, Bardan M. V., Mocanu A. M., Dinica R. M., Carac G., „Hydrogels with chitosan as biomaterials for medical applications”, PolyChar World Forum on Advanced Materials 30th edition, Iasi, Romania, September 11 - 13, 2024, <https://icmpp.ro/polychar'30>
36. Ionescu A-M, Botezatu A-V, **Furdui B.**, Iancu A. V., Bratu C., Vinatoru C., Dinică R.-M., *Sideritis* spp. – „Chemical Evaluation and Biological Potential”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2024 The 12th Edition, Galați 6th-7th of June 2024, <https://cssd-udjg.ugal.ro/>
37. Ionică (Mihăilă) M-D, Răileanu R, Botezatu A V, Ionescu A, **Furdui B.**, Dinică R M, „Investigation of the Chemical Composition of *Iris Pseudacorus* from the Danube Delta Biosphere and Cytotoxicity Evaluation”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2024 The 12th Edition, Galați 6th-7th of June 2024, <https://cssd-udjg.ugal.ro/>
38. Mocanu A-M, Botezatu-Dediu A V, **Furdui B.**, Avramescu S M, Bratu C, Vanatoru C, Dragoi-Cudalbeanu M, Dinică R M, „Comparative Study of Different Methods for Measuring Antioxidant Activity in *Perilla frutescens* Extracts Obtained Using Deep Eutectic Solvents”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2024 The 12th Edition, Galați 6th-7th of June 2024, <https://cssd-udjg.ugal.ro/>
39. Ionescu A-M, Teodosiade S, Botezatu A-V, **Furdui B.**, Bratu C, Vinatoru C, Dinica R-M, „*Sideritis* spp. vs *Rumex* spp.- Chemical Composition”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2024 The 12th Edition, Galați 6th-7th of June 2024, <https://cssd-udjg.ugal.ro/>
40. Bardan M V, Ionescu A-M, Stefan B C, Botezatu A V, **Furdui B.**, Busuioc A, Bratu C, Vinătoru C, Dinică R-M, „Ultrasound-Assisted Extraction to Isolate Target Compounds from *Artemisia* Species”, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS –

41. Mbaïhougadóbe S., Botezatu A. V., **Furdui B.**, Mahmoud Y., Dinică R. M., „Hexalobus monopetalus (A. Rich.) Engl. & Diels as Source of Antioxidant and Anti-Inflammatory Compounds”, 19th INTERNATIONAL CONFERENCE OF CONSTRUCTIVE DESIGN AND TECHNOLOGICAL OPTIMIZATION IN MACHINE BUILDING OPROTEH-2024, 22-24 May 2024, Bacău, Romania, ISSN 2457 – 3388,
42. Ionescu A. M., Botezatu A.-V., Busuioc A., Iancu A.V., **Furdui B.**, Dinică R.M., Phytochemical and biological studies of plants with neuroprotective properties, RENA23, 2eme Edition du Congres International „Resources Naturelles & Developpement Durable”, 9-11 Novembre 2023, Fes, Maroc (poster);
43. Istrati D. I., Vizireanu C., **Furdui B.**, Constantin O. E., Buruiană C.-T., Mișu D. C., Blaga G. V., Dinică R.-M., Băutură nealcoolică probiotică fermentată din sorg germinat și procedeul de obținere a acesteia, Salonul Inovării și Cercetării UGAL INVENT, Galați, 9-10 Noiembrie 2023, www.invent.ugal.ro (poster)
44. Ionescu A.M., Botezatu A.-V., Iancu A.V., **Furdui B.**, Dinică R.M, Plants with possible action on alzheimer disease: phytochemical and biological studies, International Scientific Symposium MODERN TRENDS IN THE AGRICULTURAL HIGHER EDUCATION October 5-6, 2023, Technical University of Moldova (prezentare orală), ISBN 978-9975-64-360-3
45. Botezatu A. V., Bălănescu F., Busuioc A., Bratu Botea C., Iancu A. V., **Furdui B.***, Dinică R.M, Caraway seeds (*carum carvi*) – source of biological active compounds, International Scientific Symposium MODERN TRENDS IN THE AGRICULTURAL HIGHER EDUCATION October 5-6, 2023, Technical University of Moldova (prezentare orală), ISBN 978-9975-64-360-3
46. Telesphore A. F., Razafindratovo V. L., Aprodu I., Istrati D., Botezatu A. V., Dinică R., **Furdui B.***, 2023, Development of Peanut Spread Containing *Arthrospira Platensis* Var. Toliara as a Ready-To-Use Therapeutic Food to Treat Malnutrition, Euroaliment, 7-8 octombrie, Galați, România, ISSN 1843-5114
47. Telesphore A F, Andriamanamisata V L R, Botezatu A V, Dinică R, **Furdui B***, Spirulina (*Arthrospira Platensis* Var Toliara): a Sustainable Solution for Environmental Challenges and Nutrition, Modern approaches of the environment-climate change feedback, 20-23 septembrie, 2023, Galați, Romania
48. Busuioc A, Botezatu A V, Călmuc V, Călmuc M, **Furdui B**, Dinică R M, Comparative Study of Micro- And Macro-Elements in the Leaves and Fruits of Some Species from the Cucurbitaceae Family Cultivated in the Danube Area, Modern approaches of the environment-climate change feedback, 20-23 septembrie, 2023, Galați, Romania
49. **Furdui B.**, Botezatu A.-V., Dediu L., Dinică R.-M., Studies on the herbicidal effect of a bipyridinium derivative and the evaluation of its impact on some aquatic organisms, The 18th International Conference CONSTRUCTIVE AND TECHNOLOGICAL DESIGN OPTIMIZATION IN THE MACHINES BUILDING FIELD OPROTEH-2023, Bacău 11-13 May 2023, <https://oproteh.ub.ro/assets/abstracts2023.pdf?v=ja783>, ISSN 2457 - 3388
50. Bălănescu F., Dediu (Botezatu) A. V., Cazanevscaia (Busuioc) A., **Furdui B.**, Dinică R. M., Evaluation of the synergistic antioxidant effect of essential oils from plants of the Lamiaceae family mixed with *Carum carvi* oil, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2023 The Eleventh Edition, GALAȚI, 8th-9th of June 2023 (prezentare orală)
51. Ionică (Mihăilă) M. D., Răileanu R., Botezatu A., **Furdui B.**, Dinică R. M., Screening and quantitative determination of phytochemicals from leaves and roots of *Iris pseudacorus* from Danube Delta Biosphere, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2023 The Eleventh Edition, GALAȚI, 8th-9th of June 2023 (prezentare orală)
52. Mbaïhougadóbe S., Cudalbeanu M., Botezatu A. V., Dinică R. M., Mahmoud Y., **Furdui B.***, Estimating of antioxidant and in vitro antiinflammatory activities of *Hexalobus monopetalus* (A. Rich.) Engl. & Diels (HM) extracts, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2023 The Eleventh Edition, GALAȚI, 8th-9th of June 2023 (prezentare orală)
53. Dediu Botezatu A. V., **Furdui B.**, Dinica R. M., Synthesis and characterization of heterocyclic compounds with bioactive properties using classical or "green chemistry" methods, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2023 The Eleventh Edition, GALAȚI, 8th-9th of June 2023 (poster)
54. Cazanevscaia (Busuioc) A., Botezatu A.V., **Furdui B.**, Dinica R. M., Qualitative and quantitative evaluation of saponins from the fruits of *C. Metuliferus*, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS – Perspectives and challenges in doctoral research, SCDS-UDJG 2023 The Eleventh Edition, GALAȚI, 8th-9th of June 2023 (poster)
55. Botezatu (Dediu) A. V., Pupezescu L.-C., Busuioc A., Bălănescu F., **Furdui B.**, Dinică R. M., Exploration of Antioxidant and Anti-Inflammatory Potential of Combined Extracts of *Piper Nigrum*, *Piper Longum* and *Zingiber Officinale*, A XXXVI-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE –CNChim-2022 CĂLIMĂNEȘTI – CĂCIULATA, 4-7 octombrie 2022 (poster)
56. Busuioc (Cazanevscaia) A., Dediu Botezatu A.-V., Vinătoru C., **Furdui B.**, Dinica M.-R., Ursolic Acid Isolation From The Fruits Of *Cucumis Metuliferus* Species, A XXXVI-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE –CNChim-2022 CĂLIMĂNEȘTI – CĂCIULATA, 4-7 octombrie 2022 (poster)

57. Bălănescu F., Busuioc A., Ionică (Mihăilă) M. D., Cudălbeanu M., Botezatu A. V., Carac G., **Furdui B.**, Vinatoru C., Marques F., Dinică R. M., Phytochemical Profile and Biological Potential of *Agastache Foeniculum* Acclimatized In Romania, A XXXVI-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE –CNChim-2022 CĂLIMĂNEȘTI – CĂCIULATA, 4-7 octombrie 2022 (poster)
58. Ionică (Mihăilă) M. D., Cudălbeanu M., **Furdui B.**, Dinică R. M., HPLC-DAD Investigation of Polyphenol Compounds from *Iris Pseudacorus*, A XXXVI-a CONFERINȚĂ NAȚIONALĂ DE CHIMIE –CNChim-2022 CĂLIMĂNEȘTI – CĂCIULATA, 4-7 octombrie 2022 (poster)
59. Dinică R. M., **Furdui B.**, Organic Compounds from Natural Sources as Enzyme Inhibitors, The 10th Edition of the Scientific Conference Of Doctoral Schools from “Dunarea de Jos” University of Galati „Perspectives and challenges in doctoral research”, (SCDS-UDJG 2022, Galati, 9th–10th of June 2022, (lucrare invitată);
60. Ionică (Mihăilă) M. D., Cudălbeanu M., **Furdui B.**, Dinică R. M., Iris pseudacorus bioactive compounds as inhibitors of α -amylase and xanthine oxidase and GC-MS profile, , The 10th Edition of the Scientific Conference Of Doctoral Schools from “Dunarea de Jos” University of Galati „Perspectives and challenges in doctoral research”, (SCDS-UDJG 2022, Galati, 9th–10th of June 2022 (prezentare orală);
61. Bălănescu F., Dediu (Botezatu) A. V., Cazanevscaia (Busuioc) A., Ionica Mihaila M., Vinatoru C., **Furdui B.**, Carac G., Dinica R. M., Anti-inflammatory and antioxidant properties of alcoholic extracts from *Lophanthus anisatus* (Lamiaceae family), The 10th Edition of the Scientific Conference Of Doctoral Schools from “Dunarea de Jos” University of Galati „Perspectives and challenges in doctoral research”, (SCDS-UDJG 2022, Galati, 9th–10th of June 2022 (poster);
62. Ionescu A., Cudalbeanu M., Cazanevscaia (Busuioc) Anna, Botezatu A.-V., Iancu A., Bălănescu F., Ionică (Mihăilă) Maria Daniela, **Furdui B.**, Dinica R. M., Screening of Some Medicinal Food Plants Extracts i the Context of Alzheimer Disease, *10th International Euro-aliment Symposium – „Food Connects People and Share Science in a Resilient World”*, Galați, Romania 7 – 8 October, 2021, *Book of Abstracts*, p 131, ISSN 1843-5114
63. Buruiană, C.-T., Constantin, O.E., Vizireanu, C., Dinică, R.M., **Furdui, B.*** Influence of dilute sulfuric acid pretreatment on the bioethanol production from romanian sweet sorghum stalks. The 9th Edition of the Scientific Conference of Doctoral Schools from “Dunarea de Jos” University of Galati (SCDS-UDJG 2021), 10th–11th June 2021, Galati, Romania, (Book of Abstracts, p. 265, and Conference Programme, p. 18), <http://www.cssd-udjg.ugal.ro/>
64. Misu, C., Istrati, D.I., Constantin, O.E., Buruiana, C.-T., **Furdui, B.**, Vizireanu, C. A fermented product from germinated sorghum grains. The 9th Edition of the Scientific Conference of Doctoral Schools from “Dunarea de Jos” University of Galati (SCDS-UDJG 2021), 10th–11th June 2021, Galati, Romania, (Book of Abstracts, p. 237, and Conference Programme, p. 12), <http://www.cssd-udjg.ugal.ro/>
65. Ghinea I. O., Botezatu A.-V., **Furdui B.**, Dinica R. M., 2020, Lipid profiles of sorghum varieties cultivated in Romania, (Poster Presentation PP.7.14.), SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS-UDJG 2020 The Eighth Edition, GALAȚI, 18th-19th of June 2020– Perspectives and challenges in doctoral research, Book of abstracts, pg266-267
66. Cudalbeanu M., **Furdui B.**, Marques F., Avramescu S. M., Dinica R. M., Polyphenols profile and antitumoral investigation of water lily fruit extract, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS-UDJG 2020 The Eighth Edition, GALAȚI, 18th-19th of June 2020– Perspectives and challenges in doctoral research, Book of abstracts,pg 261
67. Botezatu (Dediu) A. V., Horincar G., Ghinea I. O., **Furdui B.**, Barbu V., Bălănescu F., Dinica R. M., 2020, Seed germination test for toxicity evaluation of indolizine compounds obtained through whole-cells biocatalysis, (Oral Presentation OP.7.4.), SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS-UDJG 2020 The Eighth Edition, GALAȚI, 18th-19th of June 2020– Perspectives and challenges in doctoral research, Book of abstracts, pg115.
68. Cudalbeanu M., Ionică Mihăilă M. D., Avramescu S. M., Dinica R. M., **Furdui B.**, HPLC quantification of bioactive compounds from different sorghum extracts, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS-UDJG 2020 The Eighth Edition, GALAȚI, 18th-19th of June 2020– Perspectives and challenges in doctoral research, Book of abstracts,pg 262
69. Buruiană C.-T., Georgescu L., Isticioia S.- F., Vizireanu C., Dinică Ro. M., **Furdui B.**, Bioethanol production from sweet sorghum stalks, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS-UDJG 2020 The Eighth Edition, GALAȚI, 18th-19th of June 2020– Perspectives and challenges in doctoral research, Book of abstracts, pg 262
70. Mișu C., Istrati D., Constantin O., Buruiană C.T., Blaga G., **Furdui B.**, Vizireanu C., Influence of germination on physicochemical characteristics of sorghum grain, SCIENTIFIC CONFERENCE OF DOCTORAL SCHOOLS-UDJG 2020 The Eighth Edition, GALAȚI, 18th-19th of June 2020– Perspectives and challenges in doctoral research, Book of abstracts, pg 240
71. Cudalbeanu M., **Furdui B.**, Dinica R. M., Antioxidant Profile of the Sorghum Bicolor Extracts Rich in Polyphenols, *Malta Polyphenols 2019-13th World Congress on Polyphenols Applications*, Malta, 30 September-1 October 2019
72. Constantin O. E., **Furdui B.**, Istrati D., Dinica R. M., Vizireanu C., A Preliminary Microbiological Analysis of Agricultural Species of Sorghum, *9th International Euro-aliment Symposium – Book of Abstracts*, Galați, Romania 5 – 6 September, 2019
73. Istrati D., Constantin O., Vizireanu C., Misu C., Dinica R., **Furdui B.**, Functional Ingredients and Their Importance in Human Nutrition, *9th International Euro-aliment Symposium – Book of Abstracts*, Galați, Romania 5 – 6 September, 2019
74. Cudălbeanu M., Timofti M., Matei Ghe., Dinică R. M., **Furdui B.**, Macro and Micronutrient Compositions of Some Romanian Sorghum Genotypes, *9th International Euro-aliment Symposium – Book of Abstracts*, Galați, Romania 5 – 6 September, 2019

75. Blaga (Costea) G. V., Buruiană C. T., Dinică R. M., Vizireanu C., Matei Ghe., **Furdui B.**, Evaluation of Physicochemical Characteristics of Some Sorghum Genotypes From Romania, *9th International Euro-aliment Symposium – Book of Abstracts*, Galați, Romania 5 – 6 September, 2019
76. Buruiană C. T., Georgescu L., Vizireanu C., Dinică R. M., **Furdui B.**, Optimization of Dilute Acid Pretreatment for Saccharides Production from Sweet Sorghum Stalks, *9th International Euro-aliment Symposium – Book of Abstracts*, Galați, Romania 5 – 6 September, 2019
77. Cudălbeanu M., Ghinea I. O., **Furdui B.**, Dinica R. M.. GC–MS investigation of phytochemicals in different part of *Nymphaea alba* species. IUPAC 2019, Paris, Franta, 05-12 iulie 2019, <https://www.iupac2019.org/>
78. Bălănescu F., Cârâc G., **Furdui B.**, Dinica R. M. -"Antioxidant Properties of Romanian Ocimum Species Evidenced by Cyclic Voltammetry and DPPH Assays". IUPAC 2019, Paris, Franta, 05-12 iulie 2019, <https://www.iupac2019.org/>
79. Cudalbeanu M., **Furdui B.**, Iancu A., Marques F., Leitão J.H., Sousa S. and Dinica R.M.. Antitumoral and antimicrobial activities of *Nymphaea alba* extracts. Natural Products in Drug Discovery and Human Health (NatProdDDH), Lisbon, Portugalia, 28-31 iulie 2019, <https://www.rsc.org/events/detail/36854/natural-products-in-drug-discovery-and-human-health-natprodddh>
80. Cudălbeanu M., Iancu A., **Furdui B.**, Dinica R. M.. In vitro antimicrobial activity of different type of extracts from root of *Nymphaea alba* species. 7th Edition of SCDS-UDJG, 13th and 14th of June 2019, Perspectives and challenges in doctoral research.
81. Dediu (Botezatu) A. V., Tăbăcaru A., **Furdui B.**, Dinică R. M., Novel Indolizine Derivatives as Inhibitors of Acetylcholinesterase, 7th Edition of SCDS-UDJG, 13th and 14th of June 2019, Perspectives and challenges in doctoral research.
82. Nistor (Dorobăț) A., Dediu A., **Furdui B.**, Dinică R. M., Botany, Phytochemistry and Bioactivity of Endemic Plants from South-Eastern Region of Romania, 7th Edition of SCDS-UDJG, 13th and 14th of June 2019, Perspectives and challenges in doctoral research.
83. Cudalbeanu M., Ionica M. D., **Furdui B.**, Dinica R. M., Antioxidant and antidiabetic constituents of *Iris pseudacorus* leaf extracts. 7th Edition of SCDS-UDJG, 13th and 14th of June 2019, Perspectives and challenges in doctoral research
84. Dediu (Botezatu) A. V., Tabacaru A., **Furdui B.**, Dinica R. M. „Novel indolizine derivatives as inhibitors of acetylcholinesterase” (oral presentation), Scientific Conference of Doctoral Schools (CSSD-UDJG), 7th Edition, 13-14 June 2019, Galati, Romania. Book of Abstracts, pag. 114
85. Mbaihougadobé S., **Furdui B.**, Boucherle B., Dinică R. M., Mahmoud Y., Boumendjel A., Methyl Ester Isolated from the Stem Bark of *Crossopteryx febrifuga* (Afzel, Ex G. Don) Benth 7th Edition of SCDS-UDJG, 13th and 14th of June 2019, Perspectives and challenges in doctoral research.
86. Mișu C, Costea G V, Ghinea I O, Dinică R M, Vizireanu C, **Furdui B.** (2018). Nutritional valences of some sorghum species, *International Conference Multidisciplinary HUB for the Higher Education Internationalization by Means of Innovative Interaction with the Labour Market and Society*, 26-27 octombrie, Galați, România.
87. Dediu A-V, **Furdui B.**, R. M. Dinică, (2018), Iodine-Promoted Synthesis Of Aroylbisindolizines From N-Phenacyl Pyridinium Salts And Activated Alkynes, International Symposium on Catalysis and Specialty Chemicals, October 1-3, Tlemcen, Algeria
88. Larosa C., Tsen Yung C., Lunven L., **Furdui B.**, Dinica R., Baussanne I., Demeunynck M., Chierici S., In search of probes or inhibitors of amyloid fibers: synthetic peptide fragments as fibers models, *CHIMIA 2018 - NEW TRENDS IN APPLIED CHEMISTRY*, May 24-26th, 2018, Constanta, ROMANIA
89. Dediu A. V., Ghinea I.O., Furdui B., Barbu V, Gosav S., Dinica R. M., Biocatalytic one-pot cycloaddition reactions using horseradish peroxidase, *4th European Organic Chemistry Congress*, March 01 - 03, 2018 London, UK
90. Cudălbeanu M., Ghinea I. O., **Furdui B.**, Baussanne I., Demeunynck M., Dinica R. M (2018). Natural Sources of Acetylcholinesterase Inhibitors from South-East Region of Romania. *International Conference Chimia 2018 “New Trends In Applied Chemistry”*, Constanta, Romania.
91. Horincar G., **Furdui B.**, Tabacaru A., Dinica R. M., (2018). Green accelerated synthesis of antimicrobial quaternary ammonium salts A XXXV-a Conferinta Nationala de Chimie, 2-5 October Caciulata, Romania.
92. Cudalbeanu M., Ghinea I. O., **Furdui B.**, Dinica R. M., (2018). *Nymphaea alba* – a valuable and untapped source of bioactive compounds, *EuroSciCon Conference on Chemistry*, February 19-20, Paris, France, <https://chemistry.euroscicon.com/program-schedule>
93. Cudălbeanu M., Ghinea I. O., **Furdui B.**, Dinica R. M., (2018). LA NYMPHAEA ALBA - LA SOURCE DES PHYTONUTRIENTS. Conférence Nationale avec une Participation Internationale “Nutrition – Médecine du Futur”, Mai-Juin, USAMV Cluj Napoca, Romania
94. Bălănescu F., Ghinea I. O., **Furdui B.**, Dinică R. M., (2018). Aromatic Plants as Sources for Food and Pharmaceutical Industry BOOK OF ABSTRACTS *Scientific Conference of Doctoral Schools SCDS-UDJG The Sixth Edition GALAȚI*, 7th-8th of June, Romania
95. Cudălbeanu M., Ghinea I. O., **Furdui B.**, Dinica R. – M., (2018). Polyphenols identification from *Nymphaea alba* extracts through LC-MS/MS. BOOK OF ABSTRACTS *Scientific Conference of Doctoral Schools SCDS-UDJG The Sixth Edition GALAȚI*, 7th-8th of June, Romania

96. Cudalbeanu M., Ghinea I. O., **Furdui B.**, Iancu A., Dinica R. – M., (2018). Examen phytochimique et évaluation in vitro préliminaire des activités antioxydantes et antimicrobiennes des extraits de *Nymphaea alba*. *1ere Conférence Internationale des Sciences de la VIE et des Technologies pour le BIEN-ÊTRE (LIFE 2018)*, Cluj – Napoca, Romania.
97. **Furdui B.**, Rodica Mihaela Dinică, (2018). Plant Toxicology - The Unseen Face of the Plants BOOK of ABSTRACTS *Scientific Conference of Doctoral Schools SCDS-UDJG The Sixth Edition GALAȚI*, 7th-8th of June, Romania
98. Patriche S., Thomas A., **Furdui B.**, Ghinea I. O., Baussanne I., Demeunynck M., Dinică R. M., Searching for a N-heterocyclic lead compound - Docking on biomolecules, *4ème Colloque Franco-Roumain de Chimie Médicinale*, 5-7 Oct. 2017, Iași, Romania
99. Mbailhougadobé S., **Furdui B.**, Adolphe N. C. L., Gouollaly T., Dediu A. V., Borda D., Mahmoud Yaya, Dinică R.M., Volatile constituents of *Hexalobus monopetalus* (A. Rich.) Engl. & Diels and *Securidaca longepedunculata* Fresen plants used in the treatment of gout in Chad, *4ème Colloque Franco-Roumain de Chimie Médicinale*, 5-7 Oct. 2017, Iași, Romania
100. Cudalbeanu M., Stuparu Cretu M., **Furdui B.**, Barbu V., Dinică R. – M., *Nymphaea alba* – source de phytonutrients, *Conférence Nationale avec une Participation Internationale "Nutrition – Médecine du Futur", 7ème édition & Colloque Francophone sur la Nutrition et la Sécurité Alimentaire Nutrisûr*, 23-24 Noiembrie 2017, Cluj-Napoca, Romania
101. Dinica R. – M., Ghinea I., **Furdui B.**, Composés phytochimiques impliqués dans la gestion et la prévention du syndrome métabolique, *Le Jour Mondiale de l'Alimentation - Conferinta Nutrition Saine - de la conception à la pratique în cadrul proiectului Réseau régional francophone sur la santé, la nutrition et la sécurité alimentaire (SaIN) finanțat de AUF – BECO, Galați 16-17 octombrie 2017*
102. Cudalbeanu M., Ghinea I. O., Barbu V., **Furdui B.**, Dinica R., antioxidant properties of crude extracts of *Nymphaea alba*, *International Conference on Science and Society 2017 : "Phytomedicine and Biopiracy" ICSS-2017*, July 24 – 28 / 2017, Mainz, Germany
103. Dediu A. V., **Furdui B.**, Ghinea I. O., Bahrim G., Dinica R. M., Insight sur la cytotoxicité possible des composés N-hétérocycliques obtenues par des méthodes «vertes», *Journées Scientifiques du Médicament, Epigenetic: Toward New Therapeutic Targets*, June 1st 2017, Grenoble, France
104. Demeunynck M., Baussanne I., Bonte S., Arvin-Berod M., Dinica R., **Furdui B.**, Ghinea I. O., The indolizine: from bioactive heterocycle to fluorescent modular platform for cellular target identification, *6th Annual International congress of Medicchem (ICM-2016)*, 2016, Nanjing, China
105. Nouali F., **Furdui B.**, Kibou Z., Dinică R.M., Choukchou-Braham N., Spectrophotometric studies of new chromenopyridines, *International Conference of Physical Chemistry- ROMPHYSICHEM 2016*, 21-23 Septembrie, Galați, Romania
106. Furdui B., Cârâc A., Boscencu R., Dinică R. M., Cârâc G., Principii active și proprietăți antioxidante ale fructelor de cătină albă, E-poster: 167, *Congres Farma Bucuresti*, septembrie 2016
107. Dediu A. V., Ghinea I. O., **Furdui B.**, Dinică R. M., Peroxidase as a tool for new fluorescent sensor synthesis, *9eme COLLOQUE FRANCO-ROUMAIN DE CHIMIE APPLIQUÉE – COFrRoCA 2016*, 29 Juin - 02 Juillet 2016 CLERMONT-FERRAND, FRANCE
108. Constantin O., **Furdui B.**, Bahrim G., Dinică R.M., Evaluation Of The Antimicrobial Effects Of New Heterocyclic Bis-Quaternary Ammonium Compounds On Biofilms, *10th edition of International Conference of Applied Sciences – CISA 2016*, 2-4 Iunie, Bacău, 2016
109. Nouali F., Kibou Z., **Furdui B.**, Dinică R.M., Choukchou-Braham N., Synthesis And Photophysics Of New 2-Aminopyridines, *10th edition of International Conference of Applied Sciences – CISA 2016*, 2-4 Iunie, Bacău, 2016
110. Dediu A. V., Ghinea I.O., **Furdui B.**, Dinică R.M., Enzymatic activity of some plant extract biocatalysts used in click chemistry reactions, *Chimia 2016*, 26-28 Mai, Constanța, 2016, p.19 vol de rez
111. Maftai (Tuduran) I., Dinică R. M., Lupoae M., **Furdui B.**, Analiza compusilor terpenoidici din uleiuri volatile din specii de *Artemisia* și *Zingiber Officinale*, *Prima Conferință Internațională de Aromatologie din România*, 4 – 6 Martie, Galați, 2016, p 72 vol de rez
112. Dinică L. T., Ghinea I. O., Patriche S., **Furdui B.**, Dinică R. M., Investigarea compușilor de aromă din citrice folosind metode cromatografice și spectrometrice, *Prima Conferință Internațională de Aromatologie din România*, 4 – 6 Martie, Galați, 2016, p 70 vol de rez.
113. Bîlea A., **Furdui B.**, Ghinea I. O., Lupoae M., Dinică R. M., Extracția și analiza unor uleiuri volatile de lamiaceae cu aplicații în preparate farmaceutice, *Prima Conferință Internațională de Aromatologie din România*, 4 – 6 Martie, Galați, 2016, p 57 vol de rez.
114. Dediu A. V., Ghinea I. O., **Furdui B.**, Radu R. D., Dinică R. M., Caracterizarea și discriminarea uleiurilor esențiale prin diferite tehnici analitice, *Prima Conferință Internațională de Aromatologie din România*, 4 – 6 Martie, Galați, 2016, p 44 vol de rez.
115. **Furdui B.**, Ghinea I. O., Dinică R. M., Spectroscopic studies on the binding interaction of indolizine fluorophores to DNA, *TRAMECH8*, Antalya, Turcia, 2015
116. Ghinea I. O., Dediu A. V., Ungureanu C., **Furdui B.**, Bahrim G., Dinica R. M., Evaluation of the biologic activity of some quaternary ammonium salts against non-pathogenic and pathogenic microorganisms, *EUROPEAN BIOTECHNOLOGY CONGRESS*, 5-7 May, Bucharest, 2015
117. Ghinea I. O., **Furdui B.**, Dinica R. M., Screening and biocatalytic activity of enzymes from plant cells in cycloaddition processes, *Biotrans*, 26-30 iulie, Viena, 2015

118. Horincar G., Ghinea I. O., **Furdui B.**, Dediu A. V., Bahrim G., Dinica R. M., Measuring the cytotoxicity of bioactive N-heterocyclic compounds obtained via enzymatic catalysis, EUROPEAN BIOTECHNOLOGY CONGRESS, Bucharest, 2015, 5-7 May, Bucharest, 2015
119. Ghinea I. O., Danaila M., Costin M., **Furdui B.**, Barbu V., Dinica R. M., In vitro study to assess the influence of some N-heterocyclic compounds on germination, *The 7th International Symposium Euroaliment - around food - Book of abstracts*, <http://www.euroaliment.ugal.ro/Programme%20EuroAliment%202015.pdf>
120. Parfene G., Ghinea I. O., Dinica R., **Furdui B.**, G Bahrim., S. Bonte, M.Demeunynck, 2013, Using Small Molecules To Target Spoilage Microorganisms From Food Industry, *6th International EuroAliment Symposium - Around Food*, Galati, 3-5 Octombrie, www.euroaliment.ugal.ro
121. Cioroi M., Tutunaru D., Georgescu C., **Furdui B.**, 2013, Vitamin B6 in Food and Physiological Importance, *6th International EuroAliment Symposium - Around Food*, Galati, 3-5 Octombrie, www.euroaliment.ugal.ro
122. Ghinea I. O., **Furdui B.**, Parfene G., Bahrim G., Dinica R. M., 2013, 1,3-Dipolar Cycloadditions Catalyzed By Horseradish Enzymes, *IUPAC, 44th World Chemistry Congress*, 11-16 August, Istanbul, <http://www.iupac2013.org>
123. **Furdui B.**, Ghinea I. O., Gosav S., Dinica R. M., 2013, Synthesis And Photophysics Of Some New Indolizines Fluorophores, *IUPAC, 44th World Chemistry Congress*, 11-16 August, Istanbul, <http://www.iupac2013.org>
124. Ghinea I. O., Parfene G., Dinica R.M., **Furdui B.**, Bahrim G., Bonte S., Demeunynck M., 2013, 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
125. Parfene G., Ghinea I. O., **Furdui B.**, Bahrim G., Dinica R. M., 2013, Screening and Biocatalytic Activity of Microbial Cells From Fungal Strains in Cycloaddition Processes, *European Biotechnological Congress*, 16-18 May, Bratislava, Slovakia, <http://www.eurobiotech2013.eu>
126. S. Gosav, R. M. Dinica, B. Furdui, Molecular structure – antimicrobial activity for a new class of quaternary pyridinium salts, *XIIIth International Conference on Molecular Spectroscopy - From Molecules to Nano- and Biomaterials*, 8 – 12 September 2013, Wroclaw, Poland, <http://www.icms.agh.edu.pl/>
127. Dinică R., **Furdui B.**, Parfene G., Bahrim G., 2012, A one-pot synthesis of substituted bis-indolizines using microbial cells, *The 13th Tetrahedron Symposium – Challenges in Bioorganic & Organic Medicinal Chemistry*, Amsterdam, 26-29 June, <http://www.tetrahedron-symposium.elsevier.com/index.html>
128. Dinica R. M., **Furdui B.**, Cârâc G., Electrochemical Behavior in aprotic medium of pyridinium salt, 2012, *Third Regional Symposium on Electrochemistry South-East Europe*, 13-17 mai, București, <http://www.rse-see3.upb.ro>
129. **Furdui B.**, Constantin O., Dinică R., 2011, Nouveaux composés antimicrobiens avec structure de bis-pyridinium, *1ère Journée Scientifique du Médicament: Nouvelles Stratégies Thérapeutiques*, 23 juin 2011, Grenoble, France, <http://dpm.ujf-grenoble.fr/jsm>
130. **Furdui B.**, Cârâc G., Dinică R., Bahrim G., Physico-Chemical Characterization Of Some Novel Quaternary Salts Of Pyridinium, *International Conference of Applied Chemistry CISA 2011*, 28-30 Aprilie, Bacău, Romania, <http://cisaconf.ub.ro>
131. **Furdui B.**, Constantin O., Dinică R., Bahrim G., Studies concerning biofilm disinfectant efficacy of new nitrogen heterocyclic compounds, *The 5th International Symposium Euroaliment 2011: From Food Science to Food Industry – Bridging Education and Research with Engineering and Industry*, Galați, 6-7 octombrie 2011, http://www.euroaliment.ugal.ro/euroaliment_2011.htm
132. **Furdui B.**, Dinică R., 2011, Comparative studies on acido-basic and spectrophotometric properties of some bis-pyridinium quaternary salts, *10th Conference on Colloids and Surfaces Chemistry with international participation*, Galati, ROMANIA, June 9th-11th 2011
133. **Furdui B.**, Cârâc G., Dinică R., 2011, Comparative studies on electrochemical properties of some bis-pyridinium quaternary salts, *10th Conference on Colloids and Surfaces Chemistry with international participation*, Galati, ROMANIA, June 9th-11th 2011
134. Radu R., **Furdui B.**, 2011, Physico-chemical studies of some silica's soils, *10th Conference on Colloids and Surfaces Chemistry with international participation*, Galati, ROMANIA, June 9th-11th 2011
135. **Furdui B.**, Dinică R., Lupoaie M., Romică C., 2010, Effect Of Some Natural Herbs Incorporation in Sunflower Oils on its Resistance to Frying Temperatures, *International Conference - Biotechnologies, Present and perspectives*, Fourth Edition, 19 – 20 Noiembrie, 2010, Suceava, Romania;
136. Dinică R., Lupoaie M., **Furdui B.**, 2010, Quantitative Determination of Polyphenolic Compounds From The Crude Extracts of *Allium*, *Alliaria* and *Urtica* Genus. A Comparative Study, *International Conference - Biotechnologies, Present and perspectives*, Fourth Edition, 19 – 20 Noiembrie, 2010, Suceava, Romania;
137. Lupoaie M., **Furdui B.**, Dinică R., 2010, Quantification of carotenoids and chlorophyll leaf pigments from autochthonous dietary plants, *International Conference - Biotechnologies, Present and perspectives*, Fourth Edition, 19 – 20 Noiembrie, 2010, Suceava, Romania;
138. Bunea A, Dinică R., **Furdui B.**, Lupoaie M., 2010, Studies on Plant Biomass in Various Stages of Degradation, *International Conference - Biotechnologies, Present and perspectives*, Fourth Edition, 19 – 20 Noiembrie, 2010, Suceava, Romania;
139. Dinica R., **Furdui B.**, Carac G, Stanciu C., 2010, Synthèse de nouvelles sels quaternaires de pyridine et leur études électrochimiques, *6-eme Colloque Franco-Roumain de chimie Appliquée (COFrRoCA)*, Orleans, France;

140. Dinica R., **Furdui B.**, Carac G, Stanciu C., 2010, Proprietes electrochimiques d'une serie d'accepteurs d'electrons base sur N-heterocycles, 6-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA), Orleans, Franta;
141. Lupoae, M., Dinică, R., **Furdui, B.** - Polyphenolic Compounds From Wild Garlic Extracts, *Conferința Internațională De Științe Aplicate. Chimie și Inginerie Chimică CISA – 2010*, 8 – 11 aprilie 2010, Slănic Moldova – Bacău;
142. **Furdui B.**, Dinică R., Demeunynck M., 2009, Spectrophysical investigation of interaction pyridinium-indolizines with DNA, *International Symposium on applied physics. Material Sciences, Environment and Health, 1st edition*, 28-29 th November, Galați, rezumat publicat în volumul conferinței;
143. **Furdui B.**, Radu R., 2009, Physico-chemical studies of penicillin traces in biological liquids, *International Symposium on applied physics. Material Sciences, Environment and Health, 1st edition*, 28-29 th November, Galați, rezumat publicat în volumul conferinței;
144. Dinică R., **Furdui B.**, Tăbăcaru I., Tăbăcaru A., 2009, New N-Heterocyclic Compounds Starting from Substituted Pyridines, *International Symposium on applied physics. Material Sciences, Environment and Health, 1st edition*, 28-29 th November 2009, Galați, rezumat publicat în volumul conferinței;
145. Dinică R, **Furdui B**, Cârâc G., Bărlădeanu A, Stanciu, C., 2009, Synthesis of novel Fluorescent Precursors starting from substituted pyridines via microwave irradiation, *First Symposium on Microwave Assisted Organic and Peptide Synthesis*, 4-5 June, Montpellier, France, rezumat publicat în volumul conferinței la pag. 25;
146. Dinică R, **Furdui B**, Cârâc G., Stanciu C., 2009, One-pot Three Component Reaction of indolisines synthesised under microwave irradiation synthesis, *First Symposium on Microwave Assisted Organic and Peptide Synthesis*, 4-5 June 2009, Montpellier, France, rezumat publicat în volumul conferinței;
147. **Furdui B.**, Dinică R., Bahrim G., Demeunynck M., 2008, Comparative Study of Biological Activities of Some Nitrogen Heterocyclic Compounds, *International Conference on Industrial Microbiology and Applied Biotechnology*, Galați, 9-11 October, rezumat publicat în volumul conferinței la pag.36;
148. Dinică R., **Furdui B.**, Carac G., Stanciu C., 2008, Fluorescent N-Heterocycles Via One Pot Tandem Reactions, *5-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA)*, Bacău, 22-26 June 2008
149. **Furdui B**, Dinică R., Druță I, Demeunynck, M., 2006, Synthesis and photophysics of new reactive pyridinium indolizines fluorophores, *The International Conference of Physical Chemistry ROMPHYSICHEM-12*, București, 6-8 septembrie
150. **Furdui B**, Dinică R., Demeunynck M., Druță I, Dumy P., 2005, Nouveaux fluorophores indoliziniques d'interets biologiques, *Symposium Sygma-Aldrich Jeunes Chimistes SAJEC 2005*, Villeneuve d'Asq - Lille, 17-19 octombrie
151. Dinică R., Crețu R, **Furdui B**, Florea T., 2005, Research on the Antioxidant Effect of Indolisines Derivatives, *Papers of International Symposium Euro-Aliment*, Galați, 29-30 september
152. Dinică, R., **Furdui, B.**, Demeunynck, M., Bouffier, L., 2004, Precurseurs de nouveaux heterocycles a interet biologique, *3-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA)*, Bacău, 22-26 september
153. Georgescu M., Dinică R., **Furdui B.**, Koprivkec, D., 2004, Determination de la concentration des tocopherols dans certaines cereales autochtones, *3-eme Colloque Franco-Roumain de chimie Applique (COFrRoCA)*, Bacău, 22-26 september,
154. Georgescu M., Dinică R., **Furdui B.**, 2003, Separarea, identificarea și dozarea unor componente biologice active din cereale, *Lucrările Simpozionului Internațional Euro-Aliment*, Galați, 23-25 octombrie, ISBN:973-8316-68-5, pag. 623-625
155. **Furdui B**, Dinică R., Georgescu M., 2002, New Nitrogen Heterocycles of Biological Interest, *Symposium Sygma-Aldrich Jeunes Chimistes SAJEC 2002*, Obernai - Strasbourg, 21-23 octombrie
156. **Furdui B**, Dinică R., Georgescu M., 2002, Bipyridinium Ylides as Precursors of New Heterocycles of Biological Interest, *XX-th European Colloquium on Heterocyclic Chemistry, Stockholm*, 18-21 octombrie, rezumat publicat în volumul de rezumate la pag. 44
157. Georgescu M, Dinică R., **Furdui B**, 2001, New Researches on B12 Vitamin From Black Sea Mud, *1st Black Sea Basin Conference on Analytical Chemistry*, Odessa, 10-15 septembrie
158. Dinică R., **Furdui B**, Georgescu M., 2000, Microwave Assisted Preparation of bis-Indolizines by 1,3-Dipolar Cycloaddition, *XIXth European Colloque on Chimie des Heterocycles*, Aveiro, iulie 2000.

E. Brevete de invenție –

1. Istrati, D., Vizireanu, C., **Furdui, B.**, Constantin, O.E., Buruiană, C.-T., Mișu, D.C., Blaga (Costea), G.V., Dinică, R.M. Băutură nealcoolică probiotică fermentată din sorg germinat și procedeul de obținere a acesteia. Nr. Înregistrare Cerere Brevet de Invenție la OSIM: A/00765/23.11.2020
2. Nechita P., Iana R. M., Vasile M.-A., Dinică R.M., Năstac S.-M., Cioromila A.M., Botezatu A.V., Furdui B., Composite mixture based on hemicellulose esters, process for obtaining it, and testing the specific properties of packaging for agri-food products, Nr. Înregistrare Cerere de Brevet de Invenție la OSIM A100178/12.04.2024, International Patent application No. PCT/RO2024/000024 din 29.10.2024.

F. Proiecte de cercetare-dezvoltare-inovare și educaționale pe baza de contract/grant

[F1] Director de proiect

1. **13.05.2024-15.12.2024 – Director Grant intern de cercetare, contract nr. RF2487/31.05.2024** - „Evaluarea unor compuși organici naturali cu potențial biologic activ”, Universitatea „Dunărea de Jos” din Galați, valoare 50000 RON
2. **2018-2021 – Responsabil Partener - Proiecte complexe realizate în consorții CDI (PCCDI) - PN-III-P1-1.2-PCCDI- 2017-0566, contract nr. 9PCCDI/2018, Sistem complex de valorificare integrală a unor specii agricole cu potențial energetic și alimentară (VALINTEGR), valoare 405000 RON, <https://valintegr.ro/>**
3. **2018-2020 – Manager proiect Proiect POCU 2014-2020, Apel nr. POCU/90/6.13/6.14– Stagii de practică elevi și studenți în sectorul agroalimentar, industrie și servicii, contract nr. POCU/90/6.13/6.14/107814, „Program eficient de pregătire practică a studenților în domeniul protecției și monitorizării mediului” – Promediu, valoare 2,226,112.45 RON, <http://www.promediu.ugal.ro/>**
4. **2017-2018 – Director Proiect PNIII mobilități 85BM/2017 România-Franța, MolHybAl, Concepția, sinteza și evaluarea biologică a unor molecule hibride pentru tratamentul multițintit al maladiei Alzheimer, între Universitatea Dunărea de Jos din Galați și Departamentul de Farmacochimie Moleculară al Universității Grenoble Alpes, Grenoble, Franța, valoare 8000 euro, <http://www.molhybal.ugal.ro/>**
5. **2017-2018 - director Proiect de mobilitate pentru cercetători PN-III-P1-1.1-MC-2017-0218, contract nr 24/31.10.2017 valoare 13640 lei, <https://uefiscdi.gov.ro/>**
6. **2011 – Responsabil Proiect individual de cercetare postdoctorală Noi compuși heterociclici cu azot cu activitate biologică cu potențiale utilizări în distrugerea și îndepărtarea biofilmelor, finanțat prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane în cadrul proiectului „ORGANIZAREA SCOLII POSTDOCTORALE DE INTERES NATIONAL BIOTEHNOLOGII APLICATE CU IMPACT IN BIOECONOMIA ROMANEASCA „POSDRU/89/1.5/S/52432, valoare 13000 euro,**

[F2] Granturi individuale

1. **Sept. 2004 – Dec- 2005 – Bursă EGIDE de studii doctorale** acordată prin competiție de Universitatea “Joseph Fourier”, Grenoble, Franța, valoare 19800 euro

[F3] Membru în echipa de cercetare/implementare

1. **2025-2026 – cercetător – Grant de cercetare intern, contract no. 7956/31.03.2025** - "Targeted therapeutic molecules, anti-inflammatory and antitumor, isolated from exotic plants acclimatized in Romania", Universitatea „Dunărea de Jos” din Galați, valoare 100000 RON
2. **2024-2025 – cercetător - Colaborare bilaterala Ro-Fr 8BMFR/10.09.2024, „MULTITARGET COMPOUNDS FOR ALZHEIMER AND CANCER TREATMENT /COMPUȘI MULTIȚINTIȚI PENTRU TRATAMENTUL CANCERULUI ȘI AL MALADIEI ALZHEIMER, LAURENCE, între Universitatea Dunărea de Jos din Galați și Universitatea Grenoble Alpes, Grenoble, Franța**
3. **2023-2026 – cercetător - proiect ADER nr. 5.2.1., Contract nr. 25551/18.08.2023, „Conservarea și valorificarea patrimoniului genetic al speciilor aromatice și medicinale pretabile a fi cultivate pe teritoriul României”, al Universității “Dunărea de Jos” din Galați**
4. **2022-2024 – cercetător - Proiect Erasmus KA220-HED, COOPERATION PARTNERSHIP, 2022-1-TR01-KA220-HED-000089361, „Green Chemistry Applications on Selected Medicinal and Aromatic Plants in the Artvin Region”, al Universității “Dunărea de Jos” din Galați**
5. **2022-2024 – cercetător – proiect PN-III-P4-PCE-2021-0714, contract PCE22/2022 - Strategii inovative și durabile de obținere a acoperirilor pe bază de hemiceluloză cu proprietăți adecvate hârtiei de ambalaj activ pentru alimente - SustHC_CoatPack al Universității “Dunărea de Jos” din Galați**
6. **2018-2020 – cercetător - Proiecte complexe realizate în consorții CDI (PCCDI), contract 55 PCCDI/2018, Implementarea și exploatarea rezultatelor cercetării științifice în practica restaurării și conservării bunurilor culturale (IMPLEMENT), al Universității “Dunărea de Jos” din Galați**
7. **2018-2019 - cercetător – proiect 4/07.05.2018 – Strategie și acțiuni pentru pregătirea participării naționale la Proiectul DANUBIUS – R1-DANS, al Universității “Dunărea de Jos” din Galați**
8. **2011-2016 - / PNII-IDEI, nr.. 308/27.10.2011- Accesul la noi molecule bioactive prin dezvoltarea unor biocatalizatori originali pentru reacții tip click-chemistry, al Universității “Dunărea de Jos” din Galați**
9. **2014-2015 - POSDRU - 141248/2014 - Sisteme de calitate și internaționalizare în învățământul superior din filiera TURISM-MEDIU-CULTURA, al Universității “Dunărea de Jos” din Galați în parteneriat cu Universitatea Danubius din Galați – expert pe termen lung**
10. **Aprilie – Iunie 2015 Proiect terți, Contract de cercetare aplicata 649/7.04.2015, Studiu asupra traficului din Municipiul Galați, Valoare totala:43312 lei, Expert**
11. **2014-2015 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**
12. **2011-2012 - CoBil Ro-Fr nr. 485/17.03.2011, Bio-click- Access to new bioactive molecules by development of original biocatalysts for reactions like click-chemistry, între Universitatea Dunărea de Jos din Galați și Departamentul de Farmacochimie Moleculară al Universității Joseph Fourier, Grenoble, Franța**

13. **2006-2008 – Grant CEE, Modulul I, Îmbunătățirea indicatorilor calitativi la tratarea biologică a apelor reziduale din industria alimentară pe conducere avansată - APEPUR**, al Universității “Dunărea de Jos” din Galați, nr. 717/24.07.2006
14. **2006-2008 – Grant CEE, Modulul IV, Centrul Regional de cercetare și monitorizare a calității mediului**, al Universității “Dunărea de Jos” din Galați, nr. 299/18.09.2006
15. **2006-2008 – Grant CEE, Modulul III, Promovarea participării românești la proiecte europene în domeniul imunogeneticii diabetului zaharat și al medicinei regenerative cu celule beta pancreatice - DIABTER**, al Universității “Dunărea de Jos” din Galați în parteneriat cu Spitalul Fundeni
16. **2006-2008 – Platforma de formare și cercetare interdisciplinară, Centru integrat de cercetare și formare pentru biotehnologie aplicată în industria alimentară - BIOALIMENT**, CNCIS 62
17. **2004-2006 – Grant CNCIS, tip A, Cercetări privind obținerea coloranților galbeni alimentari, din surse de origine fungică, în acord cu principiile moderne ale calității și siguranței alimentare**, CNCIS nr 450
18. **2004-2005 – Grant CNCIS, tip AT, Sinteze de luminofori cu posibilă utilizare în medicină și evaluarea proprietăților lor spectrofizice și biologice**, CNCIS nr 81
19. **2003-2004 – COLABORARE BILATERALĂ RO/24 Sinteze de sisteme conjugate medicamente-luminofori și evaluarea proprietăților lor spectrofizice și biochimice, între Universitatea Dunărea de Jos din Galați și laboratorul LEDSS 6 al Universității Joseph Fourier, Grenoble, Franța**

G. Alte lucrări și contribuții științifice

1. Dodehe Y., Dinica R., **Furdui B.**, Praisler M., 2008, Extraction and characterization of Flavonoids leaves from Anona Senegalensis, *4th National Conference on Applied Physics*, sept, 25-26, Galați, Romania
2. **Furdui B.**, Dinica R., Demeunynck M., 2008, Spectrophysical studies of pyridinium-indolizines in biological medium, *Al IX-lea Simpozion de Chimia Coloizilor și Suprafețelor*, Galați, 29-30 mai 2008, rezumat publicat în volumul de rezumate, pag.16;
3. Crețu R., **Furdui B.**, Dinică R., 2008, Comparative study of antioxidant properties of some indolizine derivatives in vegetable oils, *Al IX-lea Simpozion de Chimia Coloizilor și Suprafețelor*, Galați, 29-30 mai 2008, rezumat publicat în volumul de rezumate, pag.52;
4. Dinica R., **Furdui B.**, Druță I., 2008, Comparative study of acido-basic properties of some quaternary salts of 4,4'-bipyridine, *Al IX-lea Simpozion de Chimia Coloizilor și Suprafețelor*, Galați, 29-30 mai 2008, rezumat publicat în volumul de rezumate, pag.15;
5. Aluculesei A., **Furdui B.**, Vlahovici A., 2006, Pure electronic transition in the pyridinium-substituted indolizines compounds, *National Conference of Applied Physics – CNFA 2006*, Iași, 8-9 decembrie, rezumat publicat în volumul de rezumate, pag. 118.
6. Dinică R., **Furdui B.**, 2006, Structural Investigations of Indolizinic Compounds by NMR Studies, *Conferința Națională de Fizică Aplicată, ed a II-a, Galați, 9-10 iunie*
7. Dinică R., Crețu R., **Furdui B.**, Florea T., 2005, Research on the Antioxidant Effect of Indolizines Derivatives in Vegetables Oils, *Al VIII-lea Simpozion de Chimia Coloizilor și Suprafețelor*, Galați, 2-4 iunie