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### Lista lucrărilor științifice

#### A. Teza de doctorat

*Obținerea și caracterizarea unor compuși heteroaromatici cu proprietăți bioactive utilizând metode clasice sau aparținând chimiei verzi*

Conducător de doctorat: Prof. univ. dr. chim. habil. Rodica-Mihaela DINICĂ, Universitatea „Dunărea de Jos” din Galați.

#### B. Cărți și capitole în cărți

1. Bianca Furdui, **Andreea V. Dediu (Botezatu)**, Rodica M. Dinica, Copper Catalysis in Organic Synthesis, editat de Gopinathan Anilkumar, Salim Saranya; Capitolul 2, Cu-Catalyst in Reactions Involving Pyridinium and Indolizinium Moieties; pg proprii 16 (pg 7-22); John Wiley & Sons, 2020; ISBN 3527347372
2. 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)
3. Tănase, LA. , O.-V. Nistor, D.-G. Andronoiu, D.-G. Mocanu, S. Ciortan, E. Ioniță, A. V. Botezatu Dediu, E. Botez & B. I. Ștefănescu (2022). Galactogogue Herbs: Antioxidant Activity and Bioactive Compounds' Content Determined from Aqueous Extracts. In: , et al. 10th Central European Congress on Food. CE-Food 2020. Springer, Cham. [https://doi.org/10.1007/978-3-031-04797-8\\_12](https://doi.org/10.1007/978-3-031-04797-8_12), Online ISBN 978-3-031-04797-8, Chapter length: 18 pages

#### C. Lucrări indexate ISI/BDI

*Lucrări indexate ISI:*

1. **Botezatu Dediu, A.V.**; Bahrim, G.E.; Ungureanu, C.V.; Busuioc, A.C.; Furdui, B.; Dinica, R.M. Green “one-Pot” Fluorescent Bis-Indolizine Synthesis with Whole-Cell Plant Biocatalysis. Green Process. Synth. 2023, 12, <https://doi.org/10.1515/gps-2023-0046>, FI = 4,3.
2. **Dediu Botezatu, A.V.**; Apetrei, R.-M.; Costea (Nour), I.F.; Barbu, V.; Grigore-Gurgu, L.; Botez, F.; Dinica, R.M.; Furdui, B.; Cârâc, G. Synthesis and Characterization of Novel Chitosan Derivatives (Containing Dipyrindinium Quaternary Salts) with Antimicrobial Potential. Carbohydr. Res. 2023, 108964, doi: <https://doi.org/10.1016/j.carres.2023.108964>, FI = 3,1.
3. Baussanne, I.; Firstova, O.; **Dediu Botezatu, A.**; Larosa, C.; Furdui, B.; Ghinea, I.O.; Thomas, A.; Chierici, S.; Dinica, R.; Demeunynck, M. 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. Bioorg. Chem. 2021, 116, 105390, <https://doi.org/10.1016/j.bioorg.2021.105390>, FI = 5,3.

4. **Botezatu (Dediu), A.V.**; Horincar, G.; Ghinea, I.O.; Furdui, B.; Bahrim, G.-E.; Barbu, V.; Balanescu, F.; Favier, L.; Dinica, R.-M. Whole-Cells of *Yarrowia lipolytica* Applied in “One Pot” Indolizine Biosynthesis, *Catalysts* 2020, 10, 629. <https://doi.org/10.3390/catal10060629>, FI = 4,1.
5. Tăbăcaru, A.; **Botezatu Dediu, A.V.**; Dinică, R.M.; Cârâc, G.; Basliu, V.; Paula Cabral Campello, M.; Silva, F.; Pinto, C.I.G., Guerreiro, J.F., Martins, M., Mendes, F., Marques, F. (2020) Biological properties of a new mixed lanthanide(III) complex incorporating a dypiridinium ylide, *Inorganica Chim. Acta*, 506 (Iii), 119517. <https://doi.org/10.1016/j.ica.2020.119517>, FI = 2,8.
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7. Carac, A.; Boscencu, R.; **Dediu, A.V.**; Bungau, S.G.; Dinica, R.M. Solvent Effects on the Spectral and Electrochemical Properties of Some Pyridinium Quaternary Compounds. *Rev. Chim.* 2017, 68, <https://doi.org/10.37358/RC.17.7.5688>, FI = 1,7.
8. El Moujahed, S.; Dinica, R.M.; Abou Oualid, H.; Cudalbeanu, M.; **Botezatu-Dediu, A.V.**; Cazanevscaia Busuioc, A.; Ouazzani Chahdi, F.; Kandri Rodi, Y.; Errachidi, F. „Sustainable Biomass as Green and Efficient Crosslinkers of Collagen: Case of by-Products from Six Pomegranate Varieties with Global Commercial Interest in Morocco”. *J. Environ. Manage.* 2023, 335, 117613, doi:10.1016/j.jenvman.2023.117613, FI = 8,7.
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15. Musat, V.; Crintea (Capatana), L.; Anghel, E.-M.; Stanica, N.; Atkinson, I.; Culita, D.C.; Baroiu, L.; Tigau, N.; Ceoromila, A.C.; **Botezatu (Dediu), A.-V.**; et al., Ag-Decorated Iron Oxides-Silica Magnetic Nanocomposites with Antimicrobial and Photocatalytic Activity”. *Nanomaterials* 2022, 12, doi:10.3390/nano12244452, FI = 5,71.
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17. Silihe, K.K.; Zingue, S.; Sipping, M.T.K.; Cazanevscaia, A.B.; **Botezatu, A.V.D.**; Njamen, D.; Dinica, R.M. „The Antioxidant Potential of Ficus Umbellata Vahl (Moraceae) That Accelerates In Vitro and the In Vivo Anti-Inflammatory Protective Effects”. *Appl. Sci.* 2022, 12, doi:10.3390/app12189070, FI = 2,83.
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19. Tanase (Butnariu), L.-A.; Nistor, O.-V.; Andronoiu, D.-G.; Mocanu, G.-D.; **Botezatu Dediu, A.V.**; Botez, E. „Different Types of Meatballs Enriched with Wild Thyme/Lemon Balm Aqueous Extract-Complex Characterization”. *Molecules* 2022, 27, doi:10.3390/molecules27123920, FI = 4,92.
20. Balanescu, F.; Busuioc, A.C.; **Botezatu, A.V.D.**; Gosav, S.; Avramescu, S.M.; Furdui, B.; Dinica, R.M. „Comparative Study of Natural Antioxidants from Glycine Max, Anethum Graveolens and Pimpinella Anisum Seed and Sprout Extracts Obtained by Ultrasound-Assisted Extraction”. *Separations* 2022, 9, 152, doi:10.3390/separations9060152, FI = 3,34.
21. Ngenge Tamfu, A.; Roland, N.; Munvera Mfifen, A.; Kucukaydin, S.; Gaye, M.; **Botezatu, A.V.**; Emin Duru, M.; Mihaela Dinica, R. „Phenolic Composition, Antioxidant and Enzyme Inhibitory Activities of Parkia Biglobosa (Jacq.) Benth., Tithonia Diversifolia (Hemsl) A. Gray, and Crossopteryx Febrifuga (Afzel.) Benth”. *Arab. J. Chem.* 2022, 15, 103675, doi:10.1016/j.arabjc.2021.103675, FI = 6,21.
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24. Dinica, R.M.; Sandu, C.; **Dediu Botezatu, A.V.**; Busuioc, A.C.; Balanescu, F.; Mihaila, M.D.I.; Dumitru, C.N.; Furdui, B.; Iancu, A.V. „Allantoin from Valuable Romanian Animal and Plant Sources with Promising Anti-Inflammatory Activity as a Nutricosmetic Ingredient”. *Sustainability* 2021, 13, 10170, doi:10.3390/su131810170, FI = 3,25.
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28. Koudoro Yaya Alain, Awadji Jospin Morand, **Botezatu Dediu Andreea**, Olaye Théophile, Agbangnan Dossa Cokou Pascal, Alitonou Guy Alain, Avlessi Félicien, Dinica Rodica Mihaela and Sohounhloue Codjo Koko Dominique, Phytochemical analysis, antioxidant and anti-inflammatory activities of *Chassalia kolly* leaves extract, a plant used in Benin to treat skin illness. *GSC Biological and Pharmaceutical Sciences*, 2021, 15(03), 063–072. doi.org/10.30574/GSCBPS.2021.15.3.0148

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**Semnătura:**

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