

## Şef Lucrări Dr. UNGURIANU ANCA

### Listă de lucrări

#### I. Cărţi/Capitole în cărţi de specialitate

##### Cărţi

1. *Enzime - lucrări practice*, Grădinaru D., Margină D.M., Drăgoi C.M., Nicolae A.C., **Ungurianu A.**, Editura Printech, Bucureşti, 2018, ISBN: 978-606-23-0906-0
2. *Biochimie pentru farmacişti – Hormonii în reglarea proceselor metabolice*, Margină D.M., Grădinaru D., Drăgoi C.M., Nicolae A., **Ungurianu A.**, Editura Universitară, Bucureşti 2021, ISBN 978-606-28-1252-2, doi: 10.5682/9786062812522
3. *Biochimie pentru farmacişti – Medicamente Biologice, Volumul I*, Margină D.M., Drăgoi C.M., Nicolae A., **Ungurianu A.**, Grădinaru D., Editura Printech, Bucureşti, 2023, ISBN 978-606-23-1513-6
4. *Biochimie pentru farmacişti – Medicamente Biologice, Volumul II*, Margină D.M., Drăgoi C.M., Nicolae A., **Ungurianu A.**, Grădinaru D., Editura Printech, Bucureşti, 2024, ISBN 978-606-23-1513-3

##### Capitole

5. *Sirtuins and Melatonin: Linking Chronobiology to Inflammation and Aging*, **Ungurianu A.**, Drăgoi C.M., Nicolae A.C., Dumitrescu I.B., Grădinaru D., Margină D., *Advances in Geriatrics and Gerontology - Challenges of the New Millennium*, IntechOpen, 2024, ISBN 978-0128243152, DOI: 10.5772/intechopen.1003914
6. *Monosodium Glutamate (MSG)*, Zanfirescu A., **Ungurianu A.**, Margină D., *Encyclopedia of Toxicology (Fourth Edition)*, Editor-in-Chief: Philip J. Wexler, Volume 6, 2024, Pages 509-515, Elsevier, 2023, ISBN 978-0128243152, DOI: 10.1016/B978-0-12-824315-2.01160-X
7. *Dietary sugar intake: Public health perspective*, Margină D., **Ungurianu A.**, *Encyclopedia of Toxicology (Fourth Edition)*, Editor-in-Chief: Philip J. Wexler, Volume 3, 2024, Pages 711-718, Elsevier, ISBN 978-0-12-801238-3, DOI: 10.1016/B978-0-12-824315-2.00071-3.
8. *Îmbătrânire şi senescenţă*, Grădinaru D., Prada G.I., Margină D., **Ungurianu A.**, Drăgoi C., Nicolae A., *Gerovital H3 sau Arta de a trăi, Partea I*, coordonatori Bălăceanu-Stolnici C., Grădinaru D., Prada G.I., pag 31-69, Editura Universitara Carol Davila, 2023, ISBN 978-606-011-262-4

9. *Medicină anti ageing versus gerontoprofilaxie*, Grădinaru D., Prada G.I., Margină D., **Ungurianu A.**, Drăgoi C., Nicolae A, Gerovital H3 sau Arta de a trăi, Partea II, coordonatori Bălăceanu-Stolnici C., Grădinaru D., Prada G.I., pag 73-111, Editura Universitara Carol Davila, 2023, ISBN 978-606-011-262-4
10. *Procaină versus cocaină*, Grădinaru D., Margină D., **Ungurianu A.**, Gerovital H3 sau Arta de a trăi, Partea III, coordonatori Bălăceanu-Stolnici C., Grădinaru D., Prada G.I., pag 113-122, Editura Universitara Carol Davila, 2023, ISBN 978-606-011-262-4
11. *Radioprotector sau antioxidant*, Grădinaru D., Moreno-Villanueva M, Bürkle A. Margină D., **Ungurianu A.**, Borsa C, Ionescu C., Gudrun von Scheven, Oziol L., Faure P., Artur Y., Gerovital H3 sau Arta de a trăi, Partea V, coordonatori Bălăceanu-Stolnici C., Grădinaru D., Prada G.I., pag 155-170, Editura Universitara Carol Davila, 2023, ISBN 978-606-011-262-4
12. *Geroprotector "candidat" versus "demodat"*, Grădinaru D., Prada G.I., Margină D., **Ungurianu A.**, Moreno-Villanueva M, Bürkle A., Gerovital H3 sau Arta de a trăi, Partea VI, coordonatori Bălăceanu-Stolnici C., Grădinaru D., Prada G.I., pag 172-192, Editura Universitara Carol Davila, 2023, ISBN 978-606-011-262-4
13. *Natural Remedies for a Healthy Heart: The Evidence-Based Beneficial Effects of Polyphenols*, Margină D., **Ungurianu A.**, Purdel C., Nițulescu G.M., *Plant Secondary Metabolites*, Editors: Sharma A.K., Sharma A., eBook ISBN 978-981-16-4779-6, Pages 141-190, DOI: 10.1007/978-981-16-4779-6\_6.
14. *Chapter 35 - Hydrogen sulfide: a shifting paradigm*, **Ungurianu A.**, Nitulescu G.M., Margina D., in *Toxicological Risk Assessment and Multi-System Health Impacts from Exposure*, Editor: Aristidis M. Tsatsakis, Academic Press, 2021, Pages 415-426, ISBN 9780323852159, doi: 10.1016/B978-0-323-85215-9.00018-0.
15. *Chapter 33 - Polyphenols: the hallmark of endothelial dysfunction combatants*, Margina D., **Ungurianu A.**, Purdel C., Nitulescu G., Nitulescu G.M., in *Toxicological Risk Assessment and Multi-System Health Impacts from Exposure*, Editor: Aristidis M. Tsatsakis, Academic Press, 2021, Pages 389-402, ISBN 9780323852159, doi: 10.1016/B978-0-323-85215-9.00040-4.
16. *Chapter 7 - "Predictive in silico toxicology." An update on modern approaches and a critical analysis of its strong and weak points*, Nitulescu G.M., Nitulescu G., Olaru O.T., **Ungurianu A.**, Margina D, in *Toxicological Risk Assessment and Multi-System Health Impacts from Exposure*, Editor: Aristidis M. Tsatsakis, Academic Press, 2021, Pages 75-83, ISBN 9780323852159, doi: 10.1016/B978-0-323-85215-9.00029-5
17. *Spectral methods of assessing redox imbalances in biological samples*, **Ungurianu A.**, Grădinaru D., Margină D. în *Biophysics for Biomedical and Environmental Sciences (Capitolul 5)*, Transilvania University Press, 2016, ISBN 978-606-19-0768-7

## II. Articole in extenso publicate în reviste indexate ISI Web of Science (Clarivate Analytics)

1. *Caloric restriction mimetics: pinostilbene versus resveratrol regarding SIRT1 and SIRT6 interaction*, Ungurianu A., Margină D., Mihai D.P., Nicolae A.C, Drăgoi C.M., Grădinaru D., Zăncărescu A., *Advances in Medical Sciences*, 2024, ISSN 1896-1126, doi: 10.1016/j.advms.2024.11.002 (2023 IF 2.5)
2. *Evaluation of Antimicrobial, Antitumor, Antioxidant Activities, and Molecular Docking Studies of Some Co(II), Cu(II), Mn(II), Ni(II), Pd(II), and Pt(II) Complexes With a Schiff Base Derived From 2-Chloro-5-(trifluoromethyl)aniline*, Pahonțu E, Dinu Pîrvu CE, Vișan DC, Socea LI, Apostol TV, Oprean C, Păunescu V, **Ungurianu A**, Margină DM, Codiță I, Dumitrescu S, Drăgănescu D, Lupașcu G, *Applied Organometallic Chemistry*, 2024, e7829, doi: 10.1002/aoc.7829 (2023 IF 3.7)
3. *Vitamin D and COVID-19: comparative analysis with other respiratory infections and impact of comorbidities*, Constantin L, **Ungurianu A**, Țârcomnicu I, Bălulescu E, Margină D, *Germs* 2024;14(3):232-245, 232-245, ISSN 2248 – 2997, doi: 10.18683/germs.2024.1435 (2023 IF 1.7)
4. *An Experimental Dynamic Investigation of the Influence of Melatonin, Serotonin and Tryptophan on the Stability of the DNA Structure*, Drăgoi C.M., Zăncărescu A., Dumitrescu I.B., **Ungurianu A.**, Margină D.M., Nicolae A.C., *Chemistry*, 2024, 6, 922–940. doi: 10.3390/chemistry6050054 (2023 IF 2.4)
5. *Evaluating the Antihyperalgesic Potential of Sildenafil–Metformin Combination and Its Impact on Biochemical Markers in Alloxan-Induced Diabetic Neuropathy in Rats*, Pușcașu C, Negreș S, Zbârcea CE, **Ungurianu A**, Ștefănescu E, Blebea NM, Chiriță C, *Pharmaceuticals*, 2024, 17(6):783, doi: 10.3390/ph17060783, WOS:001255783800001 (2023 IF: 4.3, Q2 Chemistry, medicinal, Pharmacology & Pharmacy)
6. *Investigation of Serum Endocan Levels in SARS-CoV-2 Patients*, Constantin L., Ungurianu A., Streinu-Cercel A., Săndulescu O., Aramă V., Margină D, Țârcomnicu I, *Int. J.Mol. Sci.* 2024, 25, 3042, ISSN: 1422-0067, doi: 10.3390/ijms25053042, WOS:001182763200001 (2023 IF: 4.9, Q1 Biochemistry & Molecular Biology, Pharmacology & Pharmacy)
7. *Exploring the therapeutic potential of quercetin: A focus on its sirtuin-mediated benefits*, **Ungurianu, A.**, Zăncărescu, A., Margină, D., *Phytotherapy Research*, 2024, 1–27, ISSN: 0951-418X, doi: 10.1002/ptr.8168, 001176239000001 (2023 IF: 6.1, Q1 Chemistry, medicinal, Pharmacology & Pharmacy)
8. *Circadian Rhythms, Chrononutrition, Physical Training, and Redox Homeostasis—Molecular Mechanisms in Human Health*, Drăgoi CM, Nicolae AC, Ungurianu A, Margină DM, Grădinaru D, Dumitrescu I-B, *Cells*, 2024, 13(2):138, ISSN: 2073-4409, doi: 10.3390/cells13020138, WOS:001148835100001 (2023 IF: 5.1, Q2 Cell Biology)
9. *The Beneficial Effects of Dietary Interventions on Gut Microbiota—An Up-to-Date Critical Review and Future Perspectives*, Purdel C, Margină D, Adam-Dima I, Ungurianu A.. *Nutrients*.

2023; 15(23):5005, ISSN: 2072-6643, doi:10.3390/nu15235005, WOS:001116966000001  
(2023 IF: 4.8, Q1 Nutrition & Dietetics)

10. *Cetirizine and Levetiracetam as Inhibitors of Monoacylglycerol Lipase: Investigating Their Repurposing Potential as Novel Osteoarthritic Pain Therapies*, Andrei C, Mihai DP, Nitulescu G, **Ungurianu A**, Margina DM, Nitulescu GM, Olaru OT, Busca RM, Zanfirescu A., *Pharmaceuticals*, 2023; 16(11):1563, , eISSN 1424-8247, doi: 10.3390/ph16111563, WOS:001118333400001 (2023 IF: 4.3, Q2 Pharmacology and Pharmacy)
11. *A pilot study on formaldehyde exposure risks of bakery workers*, Vlăsceanu, AM, Negrei, C, Ciobanu, AM, Roșca, AC, Grădinaru, D, **Ungurianu, A**, Baconi D, *Farmacia*, 2023, 71(5), 911-916, doi: 10.31925/farmacia.2023.5.4, WOS:001098344200004 (2023 IF 1.4)
12. *The Influence of Sildenafil–Metformin Combination on Hyperalgesia and Biochemical Markers in Diabetic Neuropathy in Mice*, Pușcașu, C.; **Ungurianu, A.**; Șeremet, O.C.; Andrei, C.; Mihai, D.P.; Negreș, S.. *Medicina* 2023, 59, 1375, ISSN 1648-9144, doi: 10.3390/medicina59081375, WOS:001055905500001 (2023 IF: 2.4)
13. *Sirtuins, resveratrol and the intertwining cellular pathways connecting them*, **Ungurianu A.**, Zanfirescu A., Margină D., *Ageing Research Reviews*, Volume 88, 2023, 101936, ISSN 1568-1637, doi: 10.1016/j.arr.2023.101936, WOS:000988700700001 (2023 IF: 12.5, Q1: Cell Biology, Geriatrics & Gerontology)
14. *Exploring the potential impact of probiotic use on drug metabolism and efficacy*, Purdel C., **Ungurianu A. (corresponding author)**, Adam-Dima I., Margina D., *Biomedicine & Pharmacotherapy*, 2023, 161, 114468, ISSN: 0753-3322, doi: 10.1016/j.biopha.2023.114468, WOS:000949974100001 (2023 IF: 6.9, Q1: Medicine, Research & Experimental)
15. *Regulation of Gene Expression through Food—Curcumin as a Sirtuin Activity Modulator*, **Ungurianu A**, Zanfirescu A, Margină D, *Plants*, 2022; 11(13):1741, eISSN 2223-7747, doi: 10.3390/plants11131741, WOS:000824517000001 (2022 IF 4.5, Q1 Plant Sciences)
16. *Interleukins and redox impairment in type 2 diabetes mellitus: mini-review and pilot study*, **Ungurianu A.**, Zanfirescu A., Grădinaru D., Ionescu-Tîrgoviște C., Dănciulescu Miulescu R., Margină D., *Curr Med Res Opin*, 2022, Jan 22:1-20, eISSN: 1473-4877, doi: 10.1080/03007995.2022.2033049, WOS:000752212500001 (2022 IF: 2.3)
17. *Metabolic and Metabolomic Insights Regarding the Omega-3 PUFAs Intake in Type 1 Diabetes Mellitus*, Purdel C., **Ungurianu A. (corresponding author)**, Margina D., *Frontiers in Molecular Biosciences*, 2021, 8, 1228, eISSN: 2296-889X, doi: 10.3389/fmolb.2021.783065, WOS:000731436800001 (2021 IF: 6.113, AIS Q1: Biochemistry & Molecular Biology)
18. *Identification of Novel Antistaphylococcal Hit Compounds Targeting Sortase A*, Volynets G., Vyshniakova H., Nitulescu G., Nitulescu G.M., **Ungurianu A.**, Margina D., Moshynets O., Bdzhola V., Koleiev I., Iungin O., Tarnavskiy S., Yarmoluk S., *Molecules*, 2021, 26, 7095, eISSN: 1420-3049, doi: 10.3390/molecules26237095, WOS:000742650500001 (2021 IF: 4.927, Q2: Biochemistry & Molecular Biology)

19. *Zinc status, insulin resistance and glycoxidative stress in elderly subjects with type 2 diabetes mellitus*, Grădinaru D., Margină D., **Ungurianu A.**, Nițulescu G., Pena C., Ionescu-Tîrgoviște C., Dănciulescu-Miulescu R., *Experimental and Therapeutic Medicine*, 2021, 22(6), ISSN: 1792-1015 (Online), doi: 10.3892/etm.2021.10829, WOS:000734930300001 (**2021 IF: 2.751**)
20. *Targeting Monoacylglycerol Lipase in Pursuit of Therapies for Neurological and Neurodegenerative Diseases*, Zanfirescu A., **Ungurianu A. (corresponding author)**, Mihai D.P., Rădulescu D., Nițulescu G.M., *Molecules*, 2021, 26(18), 5668, eISSN: 1420-3049, doi: 10.3390/molecules26185668, WOS:000699908100001 (**2021 IF: 4.927, Q2: Biochemistry & Molecular Biology**)
21. *Procaine – The Controversial Geroprotector Candidate: New Insights Regarding Its Molecular and Cellular Effects*, Grădinaru D., **Ungurianu A.**, Margină D., Moreno-Villanueva M., Burkle A., *Oxidative Medicine and Cellular Longevity*, 2021, 2021(3617042), ISSN: 1942-0994 (Online), doi: 10.1155/2021/3617042, WOS:000684846300002 (**2021 IF: 7.31, Q2 Cell Biology**)
22. *Effects of Venlafaxine, Risperidone and Febuxostat on Cuprizone-Induced Demyelination, Behavioral Deficits and Oxidative Stress*, Mihai D.P., **Ungurianu A. (corresponding author)**, Ciotu C.I., Ficher M. J. M., Olaru O.T., Nițulescu G. M., Andrei C., Zbârcea C. E., Zanfirescu A., Șeremet O. C., Chiriță C., Negreș S., *Int. J. Mol. Sci.* 2021, 22, 7183, ISSN: 1422-0067, doi: 10.3390/ijms22137183, WOS:000671038200001 (**2021 IF: 6.208, Q1 Biochemistry & Molecular Biology**)
23. *Vitamin E beyond Its Antioxidant Label*, **Ungurianu A.**, Zanfirescu A., Nițulescu G., Margină D., *Antioxidants*. 2021; 10(5):634, ISSN: 2076-3921, doi: 10.3390/antiox10050634, WOS:000653389300001 (**2021 IF: 7.675, Q1 Biochemistry & Molecular Biology, Q1 Chemistry, Medicinal, Q1 Food Science and Technology**)
24. *Analysis of the intricate effects of polyunsaturated fatty acids and polyphenols on inflammatory pathways in health and disease*, Margină D., **Ungurianu A. (corresponding author)**, Purdel C., Nițulescu G.M., Tsoukalas D., Sarandi E., Thanasoula M., Burykina T. I., Tekos F., Buha A., Nikitovic D., Kouretas D., Tsatsakis A., *Food and Chemical Toxicology*, 2020, 2020(111558), ISSN: 0278-6915, doi: [10.1016/j.fct.2020.111558](https://doi.org/10.1016/j.fct.2020.111558), WOS:000562731900037 (**2020 IF: 6.023, Q1 Food Science and Technology, Q1 Toxicology**)
25. *[The Radioprotective Effect of Procaine and Procaine-Derived Product Gerovital H3 in Lymphocytes from Young and Aged Individuals](#)*, **Ungurianu A.**, Margină D., Borșa C., Ionescu C., von Scheven G., Oziol L., Faure P., Artur Y., Burkle A., Grădinaru D., Moreno-Villanueva M., *Oxidative Medicine and Cellular Longevity*, 2020, 2020(3580934), ISSN: 1942-0994 (Online), doi: [10.1155/2020/3580934](https://doi.org/10.1155/2020/3580934), WOS:000549986100002 (**2020 IF: 6.543, Q2 Cell Biology**)
26. *Chronic Inflammation in the Context of Everyday Life: Dietary Changes as Mitigating Factors*, Margină, D., **Ungurianu A. (corresponding author)**, Purdel C., Tsoukalas D.,

- Sarandi E., Thanasoula M., Tekos F., Mesnage R., Kouretas D., Tsatsakis A., *Int. J. Environ. Res. Public Health*, 2020, 17(11):4135, ISSN 1660-4601, doi: [10.3390/ijerph17114135](https://doi.org/10.3390/ijerph17114135), WOS:000542629600388, (2020 IF: 3.39, Q1 (SSCI) / Q2 (SCIE) **Public, Environmental & Occupational Health**)
27. *Preclinical and clinical results regarding the effects of a plant-based antidiabetic formulation versus well established antidiabetic molecules*, **Ungurianu A.**, Şeremet O., Gagniuc E., Olaru O.T., Guţu C., Grădinaru D., Ionescu-Tîrgovişte C., Margină D., Dănciulescu-Miulescu R., *Pharmacological Research*, 2019, 150: 104522, ISSN 1043-6618, doi: 10.1016/j.phrs.2019.104522, WOS:000527002800020 (2019 IF: 5.893, **Q1 Pharmacology & Pharmacy**)
  28. *Discovery of natural naphthoquinones as sortase A inhibitors and potential anti-infective solutions against Staphylococcus aureus*, Niţulescu G., Mihai D. P., Nicorescu I. M., Olaru O. T., **Ungurianu A.**, Zanfirescu A., Niţulescu G. M., Margină D., *Drug Development Research*, 2019, 80(8): 1136-1145, ISSN 1098-2299, [doi.org/10.1002/ddr.21599](https://doi.org/10.1002/ddr.21599), WOS:000485005200001 (2019 IF: 1.902)
  29. *A review of the Alleged Health Hazards of Monosodium Glutamate*, Zanfirescu A., **Ungurianu A. (corresponding author)**, Tsatsakis A., Niţulescu G. M., Kouretas D., Veskokakis A., Tsoukalas D., Engin A. B., Aschner M., Margină D., *Comprehensive reviews in Food Science and Food Safety*, 2019, 18 (4): 1111-1134, doi: 10.1111/1541-4337.12448, ISSN 1541-4337, WOS:000474294600016 (2019 IF: 9.912, **Q1 Food Science & Technology**)
  30. *Serum markers of bone fragility in type-2 diabetes mellitus* Dănciulescu-Miulescu R., Guja L., Ochiana L. C., **Ungurianu A.**, Şeremet O. C., Ştefănescu E., 2019, *Journal of Mind and Medical Sciences*: 6 (1), ISSN: 2392-7674, DOI: 10.22543/7674.61.P7885, WOS:000466144800013
  31. *Spectrophotometric versus spectrofluorimetric assessment in the study of the relationships between lipid peroxidation and metabolic dysregulation*, **Ungurianu A.**, Şeremet O., Grădinaru D., Ionescu-Tîrgovişte C., Margină D., Dănciulescu-Miulescu R., *Chem Biol Drug Des.* 2019; 93(6):1026–1035, ISSN 1747-0277, doi:10.1111/cbdd.13474, WOS:000477026200008 (2019 IF: 2.548)
  32. *The AKT pathway in oncology therapy an beyond (Review)*, Nitulescu G.M., Van De Venter M., Nitulescu G., Ungurianu A., Juzenas P., Peng Q., Olaru O.T., Grădinaru D., Tsatsakis A., Tsoukalas D., Spandidos D.A., Margină D., *Int J Oncol*, Oct 2018, doi: 10.3892/ijo.2018.4597, ISSN 1019-6439, WOS:000448952100001 (2018 IF 3.571, **Q2 Oncology**)
  33. *Insulin-Leptin Axis, Cardiometabolic Risk and Oxidative Stress in Elderly with Metabolic Syndrome*, Grădinaru D., Khaddour H., Margină D., **Ungurianu A.**, Borşa C., Ionescu C., Prada G. I., Usher J., Elshimali Y., *Exp Clin Endocrinol Diabetes*, Februarie 2018, ISSN: 0947-7349, doi:1055/s-0043-123825, WOS:000437479900005 (2018 IF: 1.629)

34. *Molecular docking and screening studies of new natural sortase A inhibitors*, Nițulescu G., Nicorescu I. M., Olaru O. T., **Ungurianu A.**, Mihai D. P., Zanfirescu A., Nițulescu G. M., Margină D., *Int. J. Mol. Sci.* 2017, 18(10), 2217; doi:10.3390/ijms18102217, ISSN 1422-0067, WOS:000414671800198 (**2017 IF: 3.687, Q2 Biochemistry & Molecular Biology**)
35. *Adiponectin tissue level – state of the art marker of cardiovascular risk in obese patients*, **Ungurianu A.**, Margină D., Băcanu C., Grădinaru D., Ilie M., Dănciulescu Miulescu R., Constantin L., INTERDIAB 2017: 3rd International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications Book Series (3): 341-349, 2017, ISSN-2393-3488, WOS:000405098800042
36. *Lipoprotein redox status evaluation as a marker of cardiovascular disease in patients with inflammatory disease*, **Ungurianu A.**, Margină D., Băcanu C., Ilie M., Tsitsimpikou C., Tsarouhas K., Spandidos D. A., Tsatsakis A. M., *Mol Med Report*, 15(1): 256-262, 2017, doi: 10.3892/mmr.2016.5972, WOS:000393018700033 (**2017 IF: 1.922**)
37. *Fluorimetric assays for measuring the redox status of HDL*, **Ungurianu A.**, Dănciulescu-Miulescu R., Grădinaru D., Ilie M., Margină D., INTERDIAB 2016: DIABETES MELLITUS AS CARDIOVASCULAR DISEASE Book Series: International Conference on Interdisciplinary Management of Diabetes Mellitus and its Complications (2): 477-489, 2016, ISSN-2393-3488, WOS:000373970400053